



SimpleProg

SimpleProg Software 4.7.0



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1. Software installation

Minimum system requirements

- O.S. Windows 7 64 bit or later .NET Framework 4.7.2 ٠
- ٠
- 4 GB RAM
- Network card or wireless card •

Installation procedure

- Download the software from the website pro.comelitgroup.com •
- Launch the installation program Follow the instructions given by the program to complete the installation. •

2. Description of the interface and icons

Home Tab screen



1.	FILE:	Options, Support and software info (About) panel
2.	HOME:	main panel
3.	VIEW:	show/hide menus
4.	MODULES:	panel with icons for specific actions
5.	GROUPS:	access to Group manager panel
6.	PROGRAM:	panel for importing / exporting system configurations
7.	TOOLS:	access to Options panel
8.	ROOMS:	panel with elements used to create the PHYSICAL VIEW
9.	FUNCTIONS:	panel with elements used to create the PHYSICAL VIEW
10.	MODULES:	panel with elements used to create the DEVICES LIST
11.	BOXES:	panel with elements used to create the DEVICES LIST
12.	PHYSICAL VIEW:	graphics interface for navigating the physical structure of the system
13.	DEVICES LIST:	graphic interface for navigation through the devices connected to the system
14.	HELP:	quick guide to device functions
15.	MODULE INFORMATION:	module configuration window - the contents will vary depending on the home automation module selected

File ····· 2. 1. \propto OM Support Passion. Technology. Design. rog Help E P . Optio About SimpleProg Save project as Version 4.4, 1 Developed by Comelit Group S.p.A. Support i project >6 file from ⊆ 10. Update Check for updates valable for Say 1. ABOUT: SimpleProg software version 2. SHORTCUTS: Support - software manual in .pdf format Options - software configuration Import old project - import projects from SimpleProg vers. 3.6 and later Updates - check and update version (A internet connection required!) З. NEW PROJECT: icon to create a new project

- OPEN PROJECT: icon open a previously saved project
- IMPORT PROJECT: icon to open a project created using SimpleProg software
- PRINT PROJECT icon to print the project report icon to save the project
- 7. SAVE PROJECT:
- 8. SAVE PROJECT AS:
- 9.

4.

5.

6.

- icon to save the project under a new name OPTIONS icon to open the options panel press this button to close the program
- 10. EXIT:

View

3.

5

6.

7.

8.

9.

			۴
Physical view	Devices list	Log	Debug

Modules





PHYSICAL VIEW:

DEBUG: advanced function

DEVICES LIST:

LOG: advanced function Show/hide. (Further information on page 8)

Show/hide. (Further information on page 9)

The function is used to view codes and commands during module reading/writing. (Default not visible, to enable it see Options_Layout settings).

Start diagnostics. The function is used to view the telegrams passing through the BUS with the information for the commands and statuses sent by the devices. (Default not visible, to enable it see Options_Layout settings).

this function allows you to perform a filtered search of the modules that make up the system

this function allows you to reprogram the address of a module in the system

this button allows you to reset the programmed module configuration

SEARCH MODULES



- BUS ADDRESS FILTER: 1.
- 2. START SEARCH: 3.
 - STOP SEARCH:
- FILTER MODULES 4.
- MODULES LIST: 5.
- EXIT: 6.
- this filter allows you to specify a range of bus addresses
- this button starts the search applying the set search parameters
- this button stops the current search
- this panel allows you to set a filter based on the types of module to be included in the search
- window displaying the search results close window

PROGRAM MODULE ADDRESS

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- 1. Select the old address of the module that you want to reprogram.
- 2. Assign the new address.
- 3. Press PROGRAM to confirm or cancel the procedure.

RESET MODULE CONFIGURATION



1. Select the address of the module that you want to reset.

2. Press PROGRAM to confirm or cancel the procedure.

Group manager



Press the GROUP MANAGER button to open the dedicated panel.



	1.	ADD GROUP:	this button allows you to create a new group
:	2.	DELETE GROUP:	this button allows you to delete the selected group
;	3.	GROUPS WINDOW:	window containing a list of the available groups
	4.	GROUP NAME:	this field allows you to rename the selected group
4	5.	OK:	press to close the panel and confirm the changes made
(6.	CANCEL:	press to close the panel and cancel any changes made
	7.	EXIT:	button to close the search window

Program



READ SYSTEM:
READ ALL MODULES

WRITE ALL MODULES: EXPORT/IMPORT: this function reads all the modules connected to the system, deleting and replacing any configuration present in the devices list

this function reads all the modules present in the devices list, importing all the parameters this function writes the settings of all the modules in the devices list, writing all the parameters this function allows you to export the system configuration so it can be loaded on a system manager

READ SYSTEM ·····



- 1. Define a range for module reading.
- 2. Press START to start reading parameters. Press STOP to stop the procedure.

I.

READ ALL MODULES



- 1. Define a range of addresses.
- 2. Press START to start reading parameters. Press STOP to stop the procedure.

WRITE ALL MODULES



- 1. Define a range of addresses.
- 2. Press START to start writing parameters. Press STOP to stop the procedure.

EXPORT/IMPORT

Comelit Hub

When present in the system, select Comelit Hub to load the SimpleProg project onto the Comelit app and the system managers communicating with the system via that module.

Correlit Hub Address:	1	Forts 00 Search O
	 update actual configuration 	CReset actual configuration
	Send project backup	
	Load Project:	
	Lo.	id project from device O
	Backup	

- 1. Enter the IP address or search for it using the SEARCH button.
- 2. Select whether to update or reset the current configuration.
- LOAD PROJECT FROM DEVICE: option of importing the configuration from Comelit Hub.
- 4. Choose whether to save the Comelit Hub project on the PC or whether to upload a previously saved project to Comelit Hub. The backup project contains information relating to the customisations applied by the user via the app and system managers.
- 5. Confirm the selection by pressing OK or cancel the operation.

SD card

You will have to load the SimpleProg project onto the SD card for the system managers communicating directly with the system.



- 1. Press to search the SD folder.
- 2. Confirm the selection by pressing OK or cancel the operation.

Options ••

T



COMMUNICATIONS

Options relating to the type of connection used for the interface between PC and home automation system.

Select the desired communication port, then set the corresponding parameters to your configuration.

ayout settings	Communications	
anguage	Serial communication COM port name: Refresh COM list	,
	Institute / IP accress: 192.168.1.252 Search Port: 10011	

1. Parameters for connection via serial port.

- 2. Parameters for connection via Ethernet port.
 - Press Search to search for Comelit Hub 20003150 on the selected network card.
- 3. Confirm the selection by pressing OK or cancel the operation.

LAYOUT SETTINGS

Options relating to the program interface.



- 1. Enable to show the function on the HOME screen.
- 2. Confirm the selection by pressing OK or cancel the operation.

LANGUAGE

On startup the software automatically sets the language it detects in the operating system. To change it, proceed as shown below.



- 1. Select the desired language.
- 2. Confirm the selection by pressing OK or cancel the operation.

Physical view

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The Physical view panel allows the installer to schematically represent the structure of the home automation system, by entering functions in rooms created to closely reflect the residence in which the system is installed.

Functions and rooms entered in this panel can then be utilised by the end user within the home automation system manager interface.

\bigstar Before functions can be viewed or managed, they must be connected to specific inputs and outputs of the home automation modules installed in the system and entered in the Devices list.

Below we describe how to construct a schematic and organise the physical rooms in which the home automation system is installed (domestic rooms, e.g. kitchen, bedroom, etc.) and the home automation functions available to the end user in these rooms (e.g. lights, automatic blinds, air conditioning).

- Rooms 1.
- Functions Physical view tree diagram 2. 3.
- 4. Example floor
- 5. Example room Example function
- 6. 7. FUNCTION - MODULE connection status icons

- è. 8 П ico 1. . 1.4 63 2 - 2 - 22 -63 63 . 122 P 0 0 Ě 0 Output 3 Output 4 0 Ar C.
- Press the icon to expand the window and view all the available elements • Hover over an object and drag it to the desired point in the physical view
- When adding functions in the physical view, a pop-up window allows you to define the quantity to activate them in a single command.

Light		ು
Quantity:		
	OK	Cancel

• The order of the Physical view can be changed at any time.

- To move an element from one room to another: press and hold the element and drag it to the desired position until the GREEN arrow appears. Release the element.

- To move an element within a room: press and hold the element and drag it to the desired position until the BLUE arrow appears. Pelease the element.

LOGIC ROOM

PHYSICAL VIEW SETUP



Use "Logic room" to group functions together according to the logic of the building system.

Using the procedure described in Paragraph "Physical view setup" on page 8, a LOGIC ROOM can be added to the physical view, in which you can insert previously created rooms and all the functions contained within them.

In the example we can see that a logic room renamed "Night Zone", containing the rooms "Bedroom 1" and "Corridor 1" along with the relevant functions, has been added to the physical view.

EXPAND/COLLAPSE PHYSICAL VIEW

The rooms in the physical view can be expended and collapsed.



- Hover over the desired room
- Right-click with the mouse
- Select the desired function from the available options

Devices list



The Devices list panel allows the installer to schematically represent the home automation system by adding all the modules within it and arranging them in control panels or junction boxes to closely reflect the building system.



Connect the inputs and outputs of the home automation modules to the functions inserted in the Physical view so that the functions can be displayed and managed in the system managers!

Construction of the Devices list follows the same procedure as that described for the Physical view, but using the elements of the *Modules* and *Boxes* panels.

CONSTRUCTING THE DEVICES LIST

Proceed as in paragraph "Physical view setup" on page 8.

TEST MODULE

Function used by the software to test the module inputs and outputs, to make sure the connections are correct and check that the module is working properly.

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- Hover over the desired module
- Right-click with the mouse
- Select the desired function from the available options

3. MODULE PROGRAMMING

DIGITAL MODULES

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Modules with ON/OFF and therefore digital inputs and outputs. These modules are the most utilised on BUS home automation systems, as they allow the use of inputs for the connection of control buttons, free contact sensors, switches, etc. and outputs for the connection of all ON/OFF loads, for example relays, lights, controlled sockets, roller blinds, solenoid valves, etc.

MODULE	DESCRIPTION
ART. 20004601	MODULE WITH 3 INPUTS AND 3 OUTPUTS, 1 ${\rm x}$ 10A Relay, Flush-mounted or din Rail
ART. 20004602	BUS MODULE WITH 1 x 10A RELAY OUTPUT, FLUSH-MOUNTED OR DIN RAIL
ART. 20004605	MODULE WITH 2 INPUTS AND 2 x 2A OUTPUTS, FLUSH-MOUNTED OR DIN RAIL
ART. 20046501	BUS MODULE WITH 5 DIGITAL INPUTS, FLUSH-MOUNTED (51)
ART. 20046502	BUS MODULE WITH 5 INPUTS AND 4 TRANSISTOR OUTPUTS (5140)
ART. 20046604	BUS MODULE WITH 5 INPUTS AND 4 x 16A OUTPUTS, ON DIN RAIL (5I4016A)
ART. 20046605	BUS MODULE WITH 9 INPUTS AND 8 x 6A OUTPUTS, ON DIN RAIL (91806A)
ART. 20046606	BUS MODULE WITH 9 INPUTS AND 8 x 16A OUTPUTS, ON DIN RAIL (918016A)

INFORMATION

Module information

Information	^	Module infor	mation
Module information		Module information	
Inputs	٣	Address:	34
Outputs	×	Description:	20004601 (3I3O) 34
		Type:	20004601 (3130)
		Firmware version:	6.1.0
DESCRIPTION		To assign an address	on page 5 to module 20004605, use the DIP-switches.
DESCRIPTION	Exam	a short description of iple: <i>Mod5 503 ground</i>	the module to easily identity it within the project. I floor bathroom input
TYPE	Indica	ates the model of the r	nodule being programmed
FIRMWARE VERSION	Modu If a r This w with t modu of the The n	le firmware version. eading has never bee value should not be ta the current module firr ile as soon as it is ado programming parame nodule firmware version	In taken from the module, this value is shown as ' ken as the firmware version. To update this informat nware version, we recommend taking a reading from led to the system, before moving on to the configurat sters. In is also displayed on the "Search modules" screen.

	^ Advanced	
	Delay between scenario steps:	450 ms -
	Module delay after group command received:	100 ms 👻
	Output delay after group command received:	50 ms 🔹
	Input dose minimum time:	100 ms 🔹
	Delay Venetian blind function:	1500 ms -
	Message retransmission	
	Group command retransmission	
	Output status retransmission after group o	ommand
DELAY BETWEEN SCENARIO STEPS	this parameter can be used to set a delay time for the ex commands relating to the scenario input. This time only a execute the commands carried out by the scenario input For example: command 1 = blind; command 2 = light of On pressing the button, the blind is lowered immediately light is switched off.	ecution of the 8 adjusts the time it takes to f; delay = 3000ms (3 sec.) and 3 seconds later the
MODULE DELAY AFTER GROUP COMMAND RECEIVED	sets the delay between receipt of a group command and outputs associated with this group. This setting is used to of commands across the various modules associated wit therefore prevent the generation of large amounts of dat For example, if you order a module to deactivate all output and a delay of 2 seconds has been set, the outputs will to after the command is received	switching of the module o delay the execution h the same group and a over the BUS. uts with a group command he deactivated 2 seconds

OUTPUT DELAY AFTER GROUP COMMAND RECEIVED	sets the delay between activation of one output and the next on receipt of a group command controlling several outputs belonging to the same module. For example, if you send a group command to a module to deactivate all outputs and a delay of 2 seconds has been set, the first output will be deactivated, then the second output will be deactivated 2 seconds later, and so on.
MINIMUM INPUT CLOSED TIME	sets the time for which the input must remain closed in order to send the command. This delay applies to all inputs on the module. For example, if you want the button to perform the requested function only when held down for at least 4 seconds, simply set this time to 4s.
DELAY VENETIAN BLIND FUNCTION	sets the time for differentiating the Venetian blind slat adjustment command from the command used to open or shut them completely. For example, if you set a delay of 1.5 seconds, you will be able to press the Venetian blind control button for a shorter length of time if you wish to adjust the opening or closing angle of the slats to a smaller degree. If, on the other hand, you press and hold the button for longer than 1.5 seconds, a total opening or closing command will be sent to the Venetian blind.
MESSAGE RETRANSMISSION	this function can be used to resend the command in the event that the module under control does not respond. under normal conditions a single transmission is enough to control the output; if however the command is not received, the module will make a new attempt, up to a maximum of 3. we recommend that this function is always enabled to ensure greater security for the commands sent.
GROUP COMMAND RETRANSMISSION	this tick enables retransmission of a group command. Retransmission sends the group command 3 times. The group command has no status response, as it is not possible to indicate the status of several outputs. We recommend that this tick is always enabled if group commands are used across the system.
OUTPUT STATUS RETRANSMISSION AFTER GROUP COMMAND	this tick box enables transmission, over the BUS, of the status of the outputs activated following a group command received by the module. We recommend enabling this tick when group commands have been programmed for the system and system managers (for example Planux Manager, Serial Bridge, etc) are installed. This retransmission carried out by the module receiving the command, which may be sent with a maximum delay of 12 seconds, is important in order to update the status of the outputs on the system managers.

INPUTS

Standard parameters

Described below are the INPUT parameters that can be configured. The number of inputs available varies according to the home automation module selected.

Inputs		Standard param	eters	
I1. Ingresso	1	Input description:	Ingresso 1	
I2. Ingresso	2	Target type:	Module	
IS. Ingresso s	scenario	Command type:	Normal	•
Outputs	٣	Module:	Address: 39 - Outputs: Output 6 -	
		 Press and hole 	d function	
		Target type:	Module * Time: 2,00 s	•
		Command type:	Normal	*
		Module:	Address: Outputs: -	
		 Advanced par 	rameters	
		Polarity:	Normally open	-
		Enable input st	atus transmission at module startup	

NPUT DESCRIPTION	enter a description indicating the type of command set for the input. The description is modified in the device list table.
TARGET TYPE	MODULE: the module function is used to control one or more module outputs from a digital input. When this option is selected, you must enter the number of the module and output(s) you wish to control. This setting is also used to control an analogue output on a 20046810 module connected to a dimmer module. Also in this case, the address of the 20046810 module and the input number (1 or 2) will need to be entered.
	GROUP: this function allows you to command multiple outputs on different modules. This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc To do this, the outputs must be assigned to the same group on the output settings screen. For example, if you want to control all the lights, one group (for example GROUP 1) must be assigned to all the outputs connected to the lights, and then an input set as GROUP in the TARGET TYPE field, entering GROUP 1.
	SYSTEM MANAGER: the system manager function sends a command directly to the system managers, for example: lcona Manager, Planux Manager, Serial Bridge, Minitouch. This command is used by the system managers to activate internally stored commands, or to use the input status for logic rules or other functions. For example, if you want to use a button to activate a scenario stored in the memory of a Planux Manager or Minitouch system manager, you must set the input in this way. This also applies if you want to use an input status for a logic or link function on the Serial Bridge.

COMMAND MODE	NORMAL : the module sends a command to the target, controlling the output according to the way it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time; if you send a normal command to an output set as bistable, the output inverts its status.
	SET: the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received.
	RESET: the module sends a "force OFF" command and the output is then deactivated independently of the programming, remaining inactive until a new command is sent. If the RESET command is sent to an output programmed as "Blind" or "Venetian blind", the relay is not activated and the blind to which it is connected will not move. For example, to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive.
	BADGE HOLDER: this command is used to activate an output configured as "Room peripheral". When the input is opened, after the time set for the output, the output reasons
	For example, in a hotel room the badge holder is connected to an input configured as "Badge holder". This means when you enter the room and insert the badge, the output set as "Room peripheral" is opened and the power supply in the room is activated. At the output, after the badge is removed, the timer starts counting down a room exit period. Once this has elapsed, the power supply output is deactivated. The badge holder command only works on a room peripheral function, then input n°4 of the same module must be programmed as a Badge Holder.
	ALARM: this command is used to send a deactivation command to a solenoid valve output which takes priority over commands arriving from thermostats, temperature sensors or Minitouch devices. This command is usually used to deactivate a climate zone if a window is opened, to prevent the heating or air conditioning from running unnecessarily.
	ACTIVATE/DEACTIVATE ANALOGUE OUTPUT: this command allows you to activate/ deactivate an analogue output. For example, a dimmer 20046851.
	CYCLIC SET/RESET: the CYCLIC SET/RESET function allows you to send alternate SET and RESET commands from the same input. For example, if you configure a button to control 3 outputs of a digital module and you configure the input as cyclic SET/RESET, the first time the button is pressed it will send the SET command to activate the 3 outputs. This function is particularly useful when you have various outputs controlled individually from different points that you wish to bring into alignment control from a single point.
	MONOSTABLE SET/RESET: this command can be used to send a SET command when the input is closed and a RESET command when the input is opened. For example, you can connect a digital input to a dusk sensor with a free ON/OFF contact so that the lights switch on when the dusk sensor trips and switch off when the sensor is deactivated. With this input, when the dusk sensor contact closes a SET command is sent to activate the outputs, and when the dusk sensor contact opens a RESET command is sent to switch off the lights.
MODULE	ADDRESS: this menu can be used to enter the address of the target module OUTPUTS: this menu can be used to select the outputs you wish to receive the command * By pressing you can select the ADDRESS and OUTPUTS of the MODULE through a graphic interface
Ļ	
*	CLICK
10 sele	tian ×

Long press function

This function allows you to send a second command from the same button connected to a digital input when the button is held pressed for a period of time that exceeds the time set for this function.

For example, it is possible to configure the button to control the switching on or off one light in a room with short press or to send a command that switches off all the lights in the room with a long press (group command).

TARGET TYPE	Paragraph "Standard parameters" on page 10
COMMAND MODE	Paragraph "Standard parameters" on page 10
MODULE	Paragraph "Standard parameters" on page 10
TIME	this parameter can be used to set the length of time that a button must be pressed before the command is recognised as a long press. (MAX 12 secs.)

Advanced parameters

POLARITY	NORMALLY OPEN NORMALLY CLOSED
ENABLE INPUT STATUS TRANSMISSION AT MODULE STARTUP	this option allows you to send, on an input configured to send a group command to a priority group, the input status over the BUS at each module startup and thus immediately after a power failure. It is particularly useful if the input is configured to lock some functions that, without this option, would remain locked if the power supply were to fail during the unlock command. For example, if the input is configured to send a cyclic SET/RESET command to a priority group to lock the irrigation command output. If at the moment of the output unlocking event there is a voltage drop, the command will not be sent. When the module restarts when the power supply returns, the input might be open but the output will still be locked. With this option enabled, on module startup the input status is sent over the BUS, and therefore, if the input is open, the output will be unlocked.

SCENARIO INPUT

Scenario input, present on all modules with digital inputs, can be used to send 16 different commands over the BUS. When the button connected to the scenario input is pressed, the 16 commands are carried out consecutively; the time between one command and the next can be set (0.5 seconds by default).

For example, it is useful if you want to switch off all the lights in the home, lower all the blinds, deactivate the controlled sockets, etc... In this case, several commands are required and sent over the BUS; the scenario input can be used for this purpose.

and the second second	^	^ Sc	enario	summary			
I1. Ingresso 1			Action	Description	Target description	Command	t
I2. Ingresso 2		-	Actio	Comendo 1	Module: Not used	Norma	1
IS. Ingresso so	cenario	1.20	Actio	Comando 2	Notused		
Dutnutz			Actio	Comando 3	Not used		
outputs			Actio	Comando 4	Not used		*
		Step Descr Step Tar Col	name: iption commanc get type mmand t' Target (Action 1 Comando 1 I: :: Module ype: Normal properties			•
		Ad	Address: Ivanced	N Outp	sion at module startup	•	••••
		Ad	Address: Ivanced	N Outp	sion at module startup	•	
		Ad	Address: Ivanced	N Outp	sion at module startup	• .	
Help Cenario sur	nmary s all 16 ed actio	available a	Address: Ivanced hable input	N + Outr	sion at module startup the startup the startup arme way as the inpo	* ,	s. Writ
Help cenario sur he panel show elect the desir cenario ste	nmary is all 16 ed actio p	available a n, then fill	Address: Ivanced address inpr actions in the	N + Outr	sion at module startup ion at module startup Image: startup	* . tead d	•• • • • • • •

STEP COMMAND: TARGET TYPE	MODULE: the module function is used to control one or more module outputs from a digital input. When this option is selected, you must enter the number of the module and output(s) you wish to control. This setting is also used to control an analogue output on a 20046810 module connected to a dimmer module. Also in this case, the address of the 20046810 module and the input number (1 or 2) will need to be entered. GROUP: this function allows you to command multiple outputs on different modules. This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc To do this, the outputs must be assigned to the same group on the output settings screen. For example, if you want to control all the lights, one group (for example GROUP 1)
	must be assigned to all the outputs connected to the lights, and then an input set as GROUP in the TARGET TYPE field, entering GROUP 1.
STEP COMMAND: Command Type	NORMAL: the module sends a command to the target, controlling the output according to the way it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time; if you send a normal command to an output set as bistable, the output inverts its status.
	SET: the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received.
	RESET: the module sends a "force OFF" command and the output is then deactivated independently of the programming, remaining inactive until a new command is sent. The RESET command does not affect outputs set as "Blind" or "Venetian blind". For example, if you want to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive.
	ACTIVATE/DEACTIVATE ANALOGUE OUTPUT: this command activates/deactivates an analogue output at the last value set for it. For example, it can be used to activate the dimmer output of module 20046851.
	SET ANALOGUE VALUE: this command can be used to control an analogue output on a module. For example, the output of dimmer 20046851, choosing also the value you wish to set.
	SET RGB COLOUR: this command can be used to control an output of the module 20004600 configured as RGB to adjust the colour and brightness.

Advanced parameters

ENABLE INPUT	this option allows you to send, on an input configured to send a group command
STATUS	to a priority group, the input status over the BUS at each module startup and thus
TRANSMISSION AT	immediately after a power failure.
MODULE STARTUP	It is particularly useful if the input is configured to lock some functions that, without
	this option, would remain locked if the power supply were to fail during the unlock
	command.

OUTPUTS

FUNCTION (continued)	SOLENOID VALVE: the solenoid valve function allows connection of a temperature control system solenoid valve so that the output is deactivated when a digital input, configured as ALARM, opens (for example, when the magnetic contact of a window is connected) and is activated when the input closes again. It is also possible to set a time from which the input will be closed again to when the output is activated. This function can be used, for example, in a hotel room. If there is a magnetic contact on the window, connected to a digital input, on the wordule and configured as ALARM, when this input is opened the SOLENOID VALVE output set during configured ion will be deactivated. When the magnetic contact closes again, after the time set for the SOLENOID VALVE output and ALARM input to be on the same digital module. The SOLENOID VALVE outputs are not displayed during Planux Manager and Minitouch system manager configuration, as for temperature control and adjustment the thermostats or temperature sensors are controlled and, in turn, will control the another used in another way even if reprogrammed. It is therefore necessary to reconfigure a input controlling the output as alarm and then open and close the input.

ROOM PERIPHERAL: the ROOM PERIPHERAL function is usually used to provide a power supply for services within a room, i.e. on/off devices, controlled sockets, etc... when the user enters and inserts the badge into a badge holder; the power supply is cut off when the badge is removed, with a delay to allow time to exit before the services are deactivated. This function is enabled on closure of a digital input on the same module, configured to configuration the output activates when the BADGE HOLDER command. In this configuration the output activates when the BADGE HOLDER input associated with that output closes, and reopens when the input reopens, after the time set for the ROOM PERIPHERAL output. This time period allows the user to leave the roow after removing the card from the badge holder, i.e. having opened the input.

having opened the input. The room peripheral function can only be activated by a command from the corresponding output of the same module configured as a Badge Holder. For example, if output n°4 is set to the room peripheral function, then input n°4 of the same module must be programmed as a Badge Holder.

	(o) VENN (oper posit Vene be 2 outpp are s on th slats defaa 1.5 s the s than The t time perio lockii the d be a mana move oppo point butto posit as Vi recoo	EIAN BLIND: This opp ining and closing), will ining and closing), will ining sharp-by-step tian blind, the second outputs used for cont tas to prevent simultan tet as VENETIAN BLIND be general parameters at to 1.5 seconds and seconds you will start it on 1.5 seconds, total ope ime set for the output of the Venetian blind. I save only will it 2.5 seconds, total ope ime set for the output of the Venetian blind. I save only will it as the guarantee leactivation of the output of the Venetian blind d taken for the Venetian ger or with 2 buttons ement. If you want to st site movement, i.e. if , while the Venetian blind no to set it in motion a ion, the timer resume ENETIAN BLIND must con anised by the module fa	tion allows control of a V the the option of adjustin a activation across the tw output will also be set as rol and since this functior eous activation of the up a b, a VENETIAN BLIND FUN screen, to indicate the del ning and closing of the Ve therefore if you press th pulse adjustment of the Ve le the button remains pre ning will begin for the am corresponds to the approx We recommend entering an blind to open or close d by the mechanical trave ut on the module. If you led ds. The Venetian blind at come for upward moveme op the Venetian blind at a the blind is closing simply ind is not moving, you car again. Every time the Ven s its countdown. Comman of the NORMAL type. SET for outputs confirured as V	eretan blind with g the slats betw o outputs. If outp S Venetian blind i o creates a lock b and down motion. CTION DELAY mus and the put and the slats of the slats of the slats of the slats of the slats of the slats of the slats with the slats of the slats of the slats of the s	In dual output reem different ut 1 is set as set here must set here must set here must set be entered control of the time is set by for less than for less than for less than for less than for the output, will open s it for longer or the output, will open s it for longer or the output, will a system for downward button for the putton. At this open or close vitated, in any tts configured nands are not
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Standard parameters ·····

Priority com

Priority group:

Status on set command:

The configurable OUPUT parameters are described below. The number of available outputs will vary according to the home automation module selected.

0 4 + Delay on:

No group

On

Not used

....

•

* Status on reset command: On

DUTPUT DESCRIPTION	enter a description of the device connected to the output
UNCTION	MONOSTABLE: set this option if the output needs to be activated when the input closes, and deactivated when the input opens. Every time the input opens or closes, a NORMAL command is sent (normal open or normal close). This function can be used for the outputs to which a ringtone is connected, such as a bathroom pull-cord or doorbell. If 2 or more inputs are set to control the same output when any of the inputs are closed, the output is activated; if any of the inputs are opened, the output is deactivated. This means that if both inputs are closed and the output is active, when an input is opened the output is deactivated, even if the second input is closed. The last command sent is taken into consideration without any analysis of the status of the remaining inputs. At each activation of the input, a NORMAL close command is sent to the output, and each deactivation a NORMAL open command is sent.
	INVERTER: set this function to make the output switch every time there is a change to one of the inputs programmed for the control of this output. This option can be used to carry out commands, for example, from switches, diverters or inverters. If two switches are connected to 2 different inputs, every time one of them switches the output will also be switched. For example, starting from a condition where the 2 switches are open and the output inactive, when the first switch is closed the output will be activated. When the second switch is closed the output will be activated. When the second switch is closed the output will be activated as on for every change in any of the inputs. Every time the input is switched a NORMAL command is sent to the configured output.
	STEP BY STEP: set this function to switch the output with a pulse at the configured input. This function allows control of the output using traditional buttons connected to the digital input. Every time the button is pressed and released the output inverts its status. The command is activated when the button is pressed, yet no command is carried out when it is released. If, for example, 2 buttons are used to control the same output set as bistable, the following applies: when the first button is pressed the output is activated, when the second button is pressed the output is deactivated. If you press and hold the first button the output is activated; if you continue to press and hold the first button and press the second button, the output is deactivated.

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BLIND: this option can be used to control a blind or an automated device with a dual output (open and close). If output 1 is selected as blind, the second output will also be set as blind as there must be 2 outputs used to control a blind and since this function creates a lock between the 2 outputs used to control a blind and since this function creates a lock between the 2 outputs are set as BLIND, a time (in seconds) must be entered. This time corresponds to the approximate up and down movement time of the blind. We recommend entering a time slightly longer than the period taken for the blind to open or close, as mechanical locking of the blind must be guaranteed by the mechanical travel limit of the motor and not by the deactivation of the output on the module. If you leave a time of 0 the outputs will be activated for 0.5 seconds. The blind can only be controlled with 2 buttons, one for upward movement and the other for downward movement. Starting with the blind raised, if you press the down button the blind will begin to lower for the programmed amount of time. If you want to stop the blind movement at any point, press the button. At this point, while the blind is closing simply press the open button. At this point, while the blind set. RESET commands sent to outputs configured as BLIND must of the NORMAL type. SET and RESET commands are not recognised by the module for outputs configured as BLIND.

TIMED: this option is used to connect timed procedures such as the stair light, outputs for the irrigation valve, a hallway light or other functions. When a button configured to control the timed output is pressed, the output is activated and then, once the time has elapsed, deactivated. When the output is set as TIMED, the activation time (in seconds) must be entered. If you enter a time of 0 seconds the output will be activated for 0.5 seconds, which is useful for the activation of an electric lock on a gate or other similar functions. To activate a timed output so that it switches off after the programmed time, the digital input configured for control must send a NORMAL command. If a RESET command is sent the output will be deactivated, whatever its condition at that moment. If a SET command is sent the output will be deactivated in any case at the end of the timed period. If a time of 0 seconds is set the output will be activated for 0.5 seconds. Reception of a NORMAL command resets the activation time on the timers.

SHOW STATUS: this option allows an output to be configured to follow the status of a second output on another module. To set the output which is to be followed, set the relative input to the command of this output. This setting is usually used in order to have a button indicator light identifying the status of a light located in a different room and connected to a second module. This output setting can also be used to follow multiple outputs on another module using the OR function. This could be applied to a zone heading system where there are 5 zone valves all connected to the same module (for example module 11, output 1, 2, 3, 4, 5) and an output controlling the boiler connected to module 11, output 3. To activate the boiler outputs are inactive, configure the outputs as SHOW STATUS. For operation, the relative input must be set to control these outputs. Therefore input 4 on module 11 should be say MODULE-HOUTPUT, module number 10, OUTPUTS 1, 2, 3, 4, 5. This function requires all the valve outputs to be on the same module and the boiler output to be on a different module. Digital modules with firmware 5.6 or earlier offer this OR function on max. 7 outputs on the same module. From version 5.8 the function is available on all 8 outputs on a digital module.

Advanced parameters

GROUP 2 / 3 / 4	This function can be used to select other groups from those available to be coupled to the output in addition to the main group. Pressing gives access to the group manager papel from which you can create or delete groups
POLARITY	NORMALLY OPEN / NORMALLY CLOSED
COMMAND EXECUTION DELAY	this command can be used to delay the execution of a received command by the output. For example, if you set a delay of 4 seconds, then the output will wait for 4 seconds following receipt of a command before executing it.
DELAY ON ACTIVATION / DEACTIVATION	this parameter can be used to set the type of delay to be applied to the output with the function "Delay on activation/deactivation" on receipt of a command to activate the output or a command to deactivate the output. It is not possible to set a delay for both activation and deactivation.

Priority command

PRIORITY GROUP	this function can be used to select a priority group (from those available) to be associated with the output. Pressing gives access to the group manager panel from which you can create or delete groups.
STATUS ON SET COMMAND	this parameter allows you to determine how the output behaves on receipt of a priority SET command. For example, an output that controls watering that must be activated or deactivated on receipt of a priority SET command and remain locked until receipt of a priority RESET command.
STATUS ON RESET COMMAND	this parameter allows you to determine how the output behaves on receipt of a priority RESET command. For example, an output that controls watering that must be activated or deactivated on receipt of a priority RESET command.

2IN/2OUT BLINDS MODULE - ART. 20004606

INFORMATION

Module information

ADDRESS	Progressive number assigned to the module by SimpleProg the moment it is added to the devices list. To change the module address number, proceed as in paragraph <u>"Program module address" on page 5</u>
DESCRIPTION	enter a short description of the module to easily identify it within the project. Example: Mod5 503 ground floor bathroom input
TYPE	Indicates the model of the module being programmed
FIRMWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. The availability of certain functions depends on the firmware version!
Advanced	
MODULE DELAY AFTER GROUP COMMAND RECEIVED	sets the delay between receipt of a group command and switching of the module outputs associated with this group. This setting is used to delay the execution of commands across the various modules associated with the same group and therefore prevent the generation of large amounts of data over the BUS. For example, if you order a module to deactivate all outputs with a group command and a delay of 2 seconds has been set, the outputs will be deactivated 2 seconds after the command is received.
OUTPUT DELAY AFTER GROUP COMMAND RECEIVED	sets the delay between activation of one output and the next on receipt of a group command controlling several outputs belonging to the same module. For example, if you send a group command to a module to deactivate all outputs and a delay of 2 seconds has been set, the first output will be deactivated, then the second output will be deactivated 2 seconds later, and so on.
MINIMUM INPUT CLOSED TIME	sets the time for which the input must remain closed in order to send the command. This delay applies to all inputs on the module. For example, if you want the button to perform the requested function only when held down for at least 4 seconds, simply set this time to 4s.
DELAY VENETIAN BLIND FUNCTION	sets the time for differentiating the Venetian blind slat adjustment command from the command used to open or shut them completely. For example, if you set a delay of 1.5 seconds, you will be able to press the Venetian blind control button for a shorter length of time if you wish to adjust the opening or closing angle of the slats to a smaller degree. If, on the other hand, you press and hold the button for longer than 1.5 seconds, a total opening or closing command will be sent to the Venetian blind.
MESSAGE RETRANSMISSION	this function can be used to resend the command in the event that the module under control does not respond. under normal conditions a single transmission is enough to control the output; if however the command is not received, the module will make a new attempt, up to a maximum of 3. we recommend that this function is always enabled to ensure greater security for the commands sent.
GROUP COMMAND Retransmission	this tick enables retransmission of a group command. Retransmission sends the group command 3 times. The group command has no status response, as it is not possible to indicate the status of several outputs. We recommend that this tick is always enabled if group commands are used across the system.
OUTPUT STATUS RETRANSMISSION AFTER GROUP COMMAND	this tick box enables transmission, over the BUS, of the status of the outputs activated following a group command received by the module. We recommend enabling this tick when group commands have been programmed for the system and system managers (for example Planux Manager, Serial Bridge, etc) are installed. This retransmission carried out by the module receiving the command, which may be sent with a maximum delay of 12 seconds, is important in order to update the status of the outputs on the system managers.

INPUTS

Inputs ^ I.I. Ingresso 1 I.2. Ingresso 2 I.5. Ingresso scenario		Standard param	eters					
		Input description: Target type: Command type:	Ingresso 1					
			Module			+		
			Normal					
Outputs	*	Module:	Address:	39 +	Outputs:	Output 6	*	

Standard parameters

Described below are the INPUT parameters that can be configured. The number of inputs available varies according to the home automation module selected.

INPUT DESCRIPTION enter a description indicating the type of command set for the input. The description is modified in the device list table.

TARGET TYPE	MODULE: the module function is used to control one or more module outputs from a digital input. When this option is selected, you must enter the number of the module and output(s) you wish to control. This setting is also used to control an analogue output on a 20046810 module connected to a dimmer module. Also in this case, the address of the 20046810 module and the input number (1 or 2) will need to be entered. GROUP: this function allows you to command multiple outputs on different modules. This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc To do this, the outputs must be assigned to the same group on the output settings screen. For example, if you want to control all the lights, one group (for example GROUP 1) must be assigned to all the outputs entring GROUP 1. SYSTEM MANAGER: the system manager function sends a command directly to the system managers, for example: Incom Manager, Planux Manager, Serial Bridge, Mintouch. This command is used by the system managers to activate internally stored commands, or to use the input status for logic rules or other functions. For example, if you want to use a button to activate a scenario stored in the memory of a Planux Manager or Minitouch system manager, you must set the input in this
	on the Serial Bridge.
COMMAND MODE	NORMAL: the module sends a command to the target, controlling the output according to the way it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time; if you send a normal command to an output set as bistable, the output inverts its status.
	SET: the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received.
	RESET: the module sends a "force OFF" command and the output is then deactivated independently of the programming, remaining inactive until a new command is sent. If the RESET command is sent to an output programmed as "Blind" or "Venetian blind", the relay is not activated and the blind to which it is connected will not move. For example, to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive.
	ACTIVATE/DEACTIVATE ANALOGUE OUTPUT: this command allows you to activate/ deactivate an analogue output. For example, a dimmer 20046851.
	CYCLIC SET/RESET: the CYCLIC SET/RESET function allows you to send alternate SET and RESET commands from the same input. For example, if you configure a button to control 3 outputs of a digital module and you configure the input as cyclic SET/RESET, the first time the button is pressed it will send the SET command to activate the 3 outputs. This function is particularly useful when you have various outputs controlled individually from different points that you wish to bring into alignment control from a single point.
	MONOSTABLE SET/RESET: this command can be used to send SET command when the input is closed and a RESET command when the input is opened. For example, you can connect a digital input to a dusk sensor with a free ON/OFF contact so that the lights switch on when the dusk sensor trips and switch off when the sensor is deactivated. With this input, when the dusk sensor contact closes a SET command is sent to activate the outputs, and when the dusk sensor contact opens a RESET command is sent to switch off the lights.
MODULE	ADDRESS: this menu can be used to enter the address of the target module OUTPUTS: this menu can be used to select the outputs you wish to receive the command
	By pressing you can select the ADDRESS and OUTPUTS of the MODULE through a graphic interface

Long press function

This function allows you to send a second command from the same button connected to a digital input when the button is held pressed for a period of time that exceeds the time set for this function.

For example, it is possible to configure the button to control the switching on or off one light in a room with short press or to send a command that switches off all the lights in the room with a long press (group command).

	 Press and hol 	ld function				
	Target type:	Module - Time:	2,00 s -			
	Command type:	Normal				
	Module:	Address: - Outp	uts: •			
		AS				
TARGET TYPE	Paragraph "Standard para	meters" on page 13				
COMMAND MODE	Paragraph "Standard para	meters" on page 13				
MODULE	Paragraph "Standard para	meters" on page 13				
TIME	this parameter can be use before the command is re	d to set the length of time t cognised as a long press. (N	that a button must be pressed MAX 12 secs.)			

Advanced parameters

	 Advanced parameters
	Polarity: Normally open ~
POLARITY	NORMALLY OPEN NORMALLY CLOSED
ENABLE INPUT STATUS TRANSMISSION AT MODULE STARTUP	this option allows you to send, on an input configured to send a group command to a priority group, the input status over the BUS at each module startup and thus immediately after a power failure. It is particularly useful if the input is configured to lock some functions that, without this option, would remain locked if the power supply were to fail during the unlock command. For example, if the input is configured to send a cyclic SET/RESET command to a priority group to lock the watering command output. If at the moment of the output unlocking event there is a voltage drop, the command will not be sent. When the module restarts when the power supply returns, the input startup the input status is sent over the BUS, and therefore, if the input is open, the output will be unlocked.

OUTPUTS

The configurable OUPUT parameters are described below. The number of available outputs will vary according to the home automation module selected.

OUTPUT DESCRIPTION	enter a description of the device connected to the output
FUNCTION	BLIND: this option can be used to control a blind or an automated device with a dua output (open and close). If output 1 is set as "Blind", output 2 will also automatically be set as "Blind" a the outputs work as paired devices in this mode. Plus, this function creates a loc between the 2 outputs to prevent simultaneous activation of the up and dow outputs. If you leave a time of 0 the outputs will be activated for 0.5 seconds. Th blind can only be controlled locally with 2 buttons, one for upward movement and th other for downward movement. Starting with the blind raised, if you press the dow button the blind will begin to lower for the programmed amount of time. If you war to stop the blind movement at any point, press the button. At this point, while the blin is not moving, you can press either the open or close button to set it in motion agail Maxi Manager and Comelit app can also be used to set the blind to an intermediat position between 0% fully open and 100% fully closed, and to display its percentag status. The percentage position is calculated in relation to the set running time. Commands sent to outputs configured as "Blind" must be of the NORMAL type. SE and RESET commands are not recognised by the module for outputs configure as "Blind".
	VENETIAN BLIND: this option allows control of a Venetian blind with dual output (opening, closing and percentage position), with the option of adjusting the slat between different positions with step-by-step activation across the two outputs. If output 1 is set as "Venetian blind", output 2 will also automatically be set a "Venetian blind" as the outputs work as paired devices in this mode. Plus, thi function creates a lock between the 2 outputs to prevent simultaneous activatio of the up and down outputs. If the outputs are set as "Venetian blind", a "Venetian blind" FUNCTION DELAY must be entered on the general parameters screen, t indicate the delay time for pulse control of the slats or for the general openin and closing of the Venetian blind. This time is set by default to 1.5 seconds an therefore if you press the opening button for less than 1.5 seconds, total openin will begin for the amount of time set for the output. If you leave a time of 0 th outputs will be activated for 0.5 seconds. The Venetian blind can be controlled wit a system manager or with 2 buttons, one for upward movement and the other fr downward movement.
	While the Venetian blind is not moving, you can press entire the open or close butto to set it in motion again. Maxi Manager and Comelit app can also be used to set the blind to an intermedial position between 0% fully open and 100% fully closed, and to display its percentag status. The percentage position is calculated in relation to the set running time. Commands sent to outputs configured as "Venetian blind" must be of the NORMA type. SET and RESET commands are not recognised by the module for outputs configure as "Venetian blind".
Main group	this function allows you to select a main group (from those available) to be associated with the output. Pressing gives access to the group manager panel from which you can create or delete groups. A The same group cannot be used for both output 1 (opening) and output (closing)
OPEN TIME CLOSE TIME	Set the opening and closing time (in seconds) for the blind or Venetian blind. We recommend entering a time slightly longer than the period taken for the motor open or close the blind, as mechanical locking must be obtained by the mechanic travel limit of the motor and not by the deactivation of the output on the module.

Favourite Position

The function can be used to set the roller blind or Venetian blind to a fixed percentage intermediate position. This position can be controlled via a digital input and/or system manager.

ENABLE FAVOURITE POSITION	Flag to enable the function.
FAVOURITE POSITION	Set a percentage at which the blind or Venetian blind will be positioned when the command is received. If the function is enabled this value can also be changed via Maxi Manager and Comelit ano.

Advanced parameters

GROUP 2 / 3 / 4	This function can be used to select other groups from those available to be coupled to the output in addition to the main group. Pressing gives access to the group manager panel from which you can create or delete groups.
POLARITY	NORMALLY OPEN / NORMALLY CLOSED
COMMAND EXECUTION DELAY	this command can be used to delay the execution of a received command by the output.
	For example, if you set a delay of 4 seconds, then the output will wait for 4 seconds following receipt of a command before executing it.
DELAY ON ACTIVATION / DEACTIVATION	this parameter can be used to set the type of delay to be applied to the output with the function "Delay on activation/deactivation" on receipt of a command to activate the output or a command to deactivate the output. The delay cannot be set for both activation and deactivation.

Priority command

PRIORITY GROUP	this function can be used to select a priority group (from those available) to be associated with the output. Pressing gives access to the group manager panel from which you can create or delete groups.
STATUS ON SET COMMAND	this parameter can be used to determine how the output will behave on receipt of a priority SET command. $% eq:set_set_set_set_set_set_set_set_set_set_$
	On receipt of the ON command the corresponding output is activated for the set running time and it will not be possible to manually act on the outputs until forcing is deactivated. Example: If the blind was moving downwards, when output 1 receives the SET ON command, downward movement will be stopped and upward movement will begin.
	On receipt of the OFF command the corresponding output is deactivated and it will
	not be possible to manually act on the outputs until forcing is deactivated. Example: If the blind was moving downwards, when output 1 receives the SET OFF command, downward movement will be stopped and no movement will be made.
STATUS ON RESET COMMAND	this parameter can be used to determine how the output will behave on receipt of a priority \ensuremath{RESET} command.
	On receipt of the ON command, forcing will be deactivated and the corresponding
	output is <i>activated</i> for the set running time; from this moment you will be able to manually act on the outputs.
	Example: If the blind was in SET ON for output 1, on receipt of the RESET ON command for output 2 forcing will be deactivated and downward movement will begin. Note: If it is active, output 1 will be deactivated before output 2 is activated.
	On receipt of the OFF command, forcing will be deactivated and from this moment you will be able to manually act on the outputs. Example: If the blind was in SET ON for output 1, on receipt of the RESET OFF command for output 2 forcing will be deactivated and no movement will be made. Note: If output 1 was active it will be deactivated.

2IN/2OUT GENERIC BUS MODULE - ART. 20004607

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INFORMATION

Module information				
ADDRESS	Progressive number assigned to the module by SimpleProg the moment it is added to the devices list. To assign an address to the module, use the DIP-switches.			
DESCRIPTION	enter a short description of the module to easily identify it within the project. Example: <i>Mod5 503 ground floor bathroom input</i>			
TYPE	Indicates the model of the module being programmed			
FIRMWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-".			

If a reading has never been taken from the module, this value is shown as "-".
This value should not be taken as the firmware version. To update this information
with the current module firmware version, we recommend taking a reading from the
module as soon as it is added to the system, before moving on to the configuration
of the programming parameters.
The module firmware version is also displayed on the "Search modules" screen.
A The availability of certain functions depends on the firmware version!
· · · · · · · · · · · · · · · · ·

Advanced

MODULE DELAY AFTER GROUP COMMAND RECEIVED	sets the delay between receipt of a group command and switching of the module outputs associated with this group. This setting is used to delay the execution of commands across the various modules associated with the same group and therefore prevent the generation of large amounts of data over the BUS. For example, if you order a module to deactivate all outputs with a group command and a delay of 2 seconds has been set, the outputs will be deactivated 2 seconds after the command is received.
OUTPUT DELAY AFTER GROUP COMMAND RECEIVED	sets the delay between activation of one output and the next on receipt of a group command controlling several outputs belonging to the same module. For example, if you send a group command to a module to deactivate all outputs and a delay of 2 seconds has been set, the first output will be deactivated, then the second output will be deactivated 2 seconds later, and so on.
MINIMUM INPUT CLOSED TIME	sets the time for which the input must remain closed in order to send the command. This delay applies to all inputs on the module. For example, if you want the button to perform the requested function only when held down for at least 4 seconds, simply set this time to 4s.
MESSAGE RETRANSMISSION	This function can be used to resend the command in the event that the module under control does not respond. Under normal conditions a single transmission is enough to control the output; if however the command is not received, the module will make a new attempt, up to a maximum of 3. We recommend that this function is always enabled to ensure greater security for the commands sent.
GROUP COMMAND RETRANSMISSION	this tick enables retransmission of a group command. Retransmission sends the group command 3 times. The group command has no status response, as it is not possible to indicate the status of several outputs. We recommend that this tick is always enabled if group commands are used across the system.
OUTPUT STATUS RETRANSMISSION AFTER GROUP COMMAND	this tick box enables transmission, over the BUS, of the status of the outputs activated following a group command received by the module. We recommend enabling this tick when group commands have been programmed for the system and system managers (for example Planux Manager, Serial Bridge, etc) are installed. This retransmission carried out by the module receiving the command, which may be sent with a maximum delay of 12 seconds, is important in order to update the status of the outputs on the system managers.

INPUTS

Standard parameters

Described below are the INPUT parameters that can be configured. The number of inputs available varies according to the home automation module selected.

INPUT DESCRIPTION	enter a description indicating the type of command set for the input. The description is modified in the device list table.
TARGET TYPE	MODULE: the module function is used to control one or more module outputs from a digital input. When this option is selected, you must enter the number of the module and output(s) you wish to control. This setting is also used to control an analogue output on a 20046810 module connected to a dimmer module. Also in this case, the address of the 20046810 module and the input number (1 or 2) will need to be entered.
	GROUP: this function allows you to command multiple outputs on different modules. This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc To do this, the outputs must be assigned to the same group on the output settings screen. For example, if you want to control all the lights, one group (for example GROUP 1) must be assigned to all the outputs connected to the lights, and then an input set as GROUP in the TARGET TYPE field, entering GROUP 1.
	SYSTEM MANAGER: the system manager function sends a command directly to the system managers, for example: Icona Manager, Planux Manager, Serial Bridge, Minitouch. This command is used by the system managers to activate internally stored commands, or to use the input status for logic rules or other functions. For example, if you want to use a button to activate a scenario stored in the memory of a Planux Manager or Minitouch system manager, you must set the input in this way. This also applies if you want to use an input status for a logic or link function on the Serial Bridge.

COMMAND MODE	MUDE NORMAL: the module sends a command to the target, controlling the output according to the way it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time; if you send a normal command to an output set as bistable, the output inverts its status. SET: the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Bind" and "Venetian blind". For example, if you want to send an activation command to a group of linhts the		OUTPUTS Standard parameters The configurable OUPUT parameters are described below. The number of available outputs will vary according to the home automation module selected.		
	SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the	OUTPUT DESCRIPTION	enter a description of the device connected to the output		
	 output is activated and will remain active until a new command is received. RESET: the module sends a "force OFF" command and the output is then deactivated independently of the programming, remaining inactive until a new command is sent. If the RESET command is sent to an output programmed as "Blind" or "Venetian blind", the relay is not activated and the blind to which it is connected will not move. For example, to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive. BADGE HOLDER: this command is used to activate an output configured as "Room peripheral". When the input is opened, after the time set for the output, the output reopens. For example, in a hotel room the badge holder is connected to an input configured as "Badge holder". This means when you enter the room and insert the badge, the output set as "Room peripheral" is opened and the power supply in the room is activated. At the output, after the badge is removed, the timer starts counting down a room exit period. Once this has elapsed, the power supply output is deactivated. The badge holder command only works on a room peripheral output of the same output corresponding to the input. For example if the output n°4 is set to the room peripheral function, then input n°4 of the same module must be programmed as a Badge Holder. ALARM: this command is used to send a deactivation command to a solenoid valve output which takes priority over commands arriving from thermostats, temperature sensors or Minitouch devices. This command is usually used to deactivate a climate zone if a window is opened, to prevent the heating or air conditioning from running unnecessarily. ACTIVATE/DEACTIVATE ANALOGUE OUTPUT: this command allows you to activate/deactivate an analogue output. For example, a dimmer 20046851. CYCLIC SET/RESET: the CYCLIC SET/RESET function allows you to	FUNCTION	 MONOSTABLE: set this option if the output needs to be activated when the input closes, and deactivated when the input opens. Every time the input opens or closes, a NORMAL command is sent (normal open or normal close). This function can be used for the outputs to which a ringtone is connected, such as a bathroom pull-cord or doorbell. If 2 or more inputs are set to control the same output when any of the inputs are closed, the output is activated; if any of the inputs are opened, the output is deactivated. This means that if both inputs are closed and the output is active, when an input is opened the output is deactivated, even if the second input is closed. The last command sent is taken into consideration without any analysis of the status of the remaining inputs. At each activation of the input, a NORMAL close command is sent to the output, and each deactivation a NORMAL open command is sent. INVERTER: set this function to make the output switch every time there is a change to one of the inputs programmed for the control of this output. This option can be used to carry out commands, for example, from switches, diverters or inverters. If two switches are connected to 2 different inputs, every time one of them switches the output will also be switched. For example, starting from a condition where the 2 switches are open and the output inactive, when the first switch connected to input 1 is closed the output will be activated. When the second switch is closed the output will be activated and so on for every change in any of the inputs. Every time the input is status. The command is activated when the button is pressed, yet no command is carried out when it is released. If, for example, 2 buttons are used to control the same output set as bistable, the following applies: when the first button is pressed and released the output inverts its status. The command is activated when the output is activated. TIMED: this option is used to connect timed procedures such as the stair l		
MODULE	Command a soft to activity and outputs, and when the data consolic order of the RESET command is sent to switch off the lights.		SHOW STATUS: this option allows an output to be configured to follow the status of a second output on another module. To set the output which is to be followed, and the location are as the theorem and a this activity that the theorem and the second output of the second sec		
	OUTPUTS: this menu can be used to select the outputs you wish to receive the command By pressing you can select the ADDRESS and OUTPUTS of the MODULE through a graphic interface		set the relative input to the command of this output. This setting is usually used in order to have a button indicator light identifying the status of a light located in a different room and connected to a second module. This output setting can also be used to follow multiple outputs on another module using the OR function. This could be applied to a zone heating system where there are 5 zone valves all connected to the same module (for example module 1).		
Long press fund	tion		controlling the boiler connected to module 11, output 4. To activate the boiler output when any of the 5 valve outputs activates and deactivate it when all 5 outputs are inactive, configure the output as SHOW STATUS. For operation, the relative input		
This function allows digital input when t for this function. For example, it is p in a room with shor with a long press (g	s you to send a second command from the same button connected to a he button is held pressed for a period of time that exceeds the time set ossible to configure the button to control the switching on or off one light t press or to send a command that switches off all the lights in the room roup command).		must be set to control these outputs. Therefore input 4 on module 11 should be set as MODULE+OUTPUT, module number 10, OUTPUTS 1, 2, 3, 4, 5. This function requires all the valve outputs to be on the same module and the boiler output to be on a different module. Digital modules with firmware 5.6 or earlier offer this OR function on max. 7 outputs on the same module. From version 5.8 the function is available on all 8 outputs on a digital module.		
TARGET TYPE	Paragraph "Standard parameters" on page 15		SOLENOID VALVE: the solenoid valve function allows connection of a temperature control system solenoid valve so that the output is deactivated when a dioital innit.		
COMMAND MODE	Paragraph "Standard parameters" on page 15		configured as ALARM, opens (for example, when the magnetic contact of a window is connected) and is activated when the input closes again. It is also possible to set a		
MODULE	Paragraph "Standard parameters" on page 15		time from which the input will be closed again to when the output is activated. This function can be used for example in a botal room. If there is a strate		
TIME	this parameter can be used to set the length of time that a button must be pressed before the command is recognised as a long press. (MAX 12 secs.)		on the window, connected to a digital input on a module and configured as ALARM, when this input is opened the SOLENOID VALVE output set during configuration will be deactivated. When the magnetic contact closes again, after the time set for the SOLENOID VALVE output has elapsed, the output will be reactivated. This function		

SOLENOID VALVE output has elapsed, the output will be reactivated. This function requires the SOLENOID VALVE outputs are not displayed during Planux Manager and Minitouch system manager configuration, as for temperature control and adjustment the thermostats or temperature sensors are controlled and, in turn, will control the relevant configured outputs. If an input configured as alarm is opened, the solenoid valve output opens. If the input is left open, the corresponding output cannot be used in another way even if reprogrammed. It is therefore necessary to reconfigure an input controlling the output as alarm and then open and close the input.

Advanced parameters

POLARITY	NORMALLY OPEN NORMALLY CLOSED
ENABLE INPUT STATUS TRANSMISSION AT MODULE STARTUP	this option allows you to send, on an input configured to send a group command to a priority group, the input status over the BUS at each module startup and thus immediately after a power failure. It is particularly useful if the input is configured to lock some functions that, without this option, would remain locked if the power supply were to fail during the unlock command. For example, if the input is configured to send a cyclic SET/RESET command to a priority group to lock the watering command output. If at the moment of the output unlocking event there is a voltage drop, the command will not be sent. When the module restarts when the power supply returns, the input sartup the input sus on tover the BUS, and therefore, if the input is open, the output will be unlocked.

The room peripheral function can only be activated by a command from the cargo notation. The room peripheral function can only be activated by a command from the corresponding output of the same module configured as a Badge Holder. For example, if output n^{4} is set to the room peripheral function, then input n^{4} of the same module must be programmed as a Badge Holder.

MAIN GROUP this function allows you to select a main group (from those available) to be associated with the output. Pressing _____ gives access to the group manager panel from which you can create or delete groups.

Advanced parameters

GROUP 2 / 3 / 4	This function can be used to select other groups from those available to be coupled to the output in addition to the main group. Pressing gives access to the group manager panel from which you can create or delete groups.
POLARITY	NORMALLY OPEN / NORMALLY CLOSED
COMMAND EXECUTION DELAY	this command can be used to delay the execution of a received command by the output. For example, if you set a delay of 4 seconds, then the output will wait for 4 seconds following receipt of a command before executing it.
DELAY ON ACTIVATION / DEACTIVATION	this parameter can be used to set the type of delay to be applied to the output with the function "Delay on activation/deactivation" on receipt of a command to activate the output or a command to deactivate the output. It is not possible to set a delay for both activation and deactivation.

Priority command

PRIORITY GROUP	this function can be used to select a priority group (from those available) to be associated with the output. Pressing gives access to the group manager panel from which you can create or delete groups.
STATUS ON SET COMMAND	this parameter allows you to determine how the output behaves on receipt of a priority SET command. For example, an output that controls watering that must be activated or deactivated on receipt of a priority SET command and remain locked until receipt of a priority RESET command.
STATUS ON RESET Command	this parameter allows you to determine how the output behaves on receipt of a priority RESET command. For example, an output that controls watering that must be activated or deactivated on receipt of a priority RESET command.

3IN METER - ART. 20004604

MODULE INFORMATION

Module information	Module informat	ion	
Inputs	Address:	28	
IC1. 28 Input 1	Description:	20004604 (Contatore) 28	
IC3. 28 Input 3	Type:	20004604 (Meter)	
	Firmware version:	1.1	

ADDRESS	Progressive number assigned to the module by SimpleProg the moment it is added to the devices list. To change the module address number, proceed as in paragraph "Program module address" on page 5
DESCRIPTION	enter a short description of the module to easily identify it within the project. Example: <i>Mod5 503 ground floor bathroom input</i>
TYPE	Indicates the model of the module being programmed
FIRMWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. The availability of certain functions depends on the firmware version!

INPUTS

	Input description:	28 Input 1	
Inputs	Enabled		
IC1. 28 Input 1	Pulses:	1	*
IC2. 28 Input 2	Increment:	1	
103, 20 Input 3	Unit:	mc	
	Function:	Production	•
	Cost:	1	\$
	Currency:	€	
	Scale factor:	1	\$

INPUT DESCRIPTION	enter a description indicating the type of command set for the input. the description is modified in the device list table.
ENABLED	placing or removing a tick in the enabled box enables/disables the input.
PULSES	enter the number of pulses required by the input to obtain an increment
INCREMENT	enter the value of the increment. For example, if you connect the input to a pulse water meter which generates a pulse every 2 litres, you will need to enter 1 in the pulses per increment field and 2 in the amount to add field. This means that for every 1 pulse, the meter count will increase by 2.
UNIT	enter the unit of measurement used
FUNCTION	PRODUCTION/CONSUMPTION: you can choose a category for the data collected
COST	enter the unit value to be used to calculate the cost for the quantity of units consumed
CURRENCY	you can select the currency to use when displaying consumption costs.
SCALE FACTOR	this parameter is used to set up conversion of the units of measurement displayed. For example, you heating system meters use calories but you want to display the values in Joules.

10UT 300W DIMMER MODULE - ART. 20046851

MODULE INFORMATION

1

Module informat	ion
Address:	39
Description:	20046851 (Dimmer) 39
Type:	20046851 (Dimmer)
Firmware version:	1.4
ADDRESS	Progressive number assigned to the module by SimpleProg the moment it is added to the devices list. To change the module address number, proceed as in paragraph "Program module address" on page 5
DESCRIPTION	Enter a short description of the module to easily identify it within the project Example: <i>Mod5 503 ground floor bathroom input</i>
TYPE	Indicates the model of the module being programmed
FIRMWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "" This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. The workshift is carbin functions doesnot on the firmware version.

Output delay after group command received:	100 ms	·
Input dose minimum time:	100 ms	-
✓ Output status retransmission after group o	ommand	

	MODULE DELAY AFTER GROUP COMMAND RECEIVED	indicates the delay between receipt of a group command and switching of the module outputs associated with this group. This setting is used to delay the execution of commands across the various modules associated with the same group and therefore prevent the generation of large amounts of data over the BUS. For example, if you order a module to deactivate all outputs with a group command and a delay of 2 seconds has been set, the outputs will be deactivated 2 seconds after the command is received.
ADVANCED	INPUT CLOSE MINIMUM TIME	indicates the time for which the input must remain closed in order to send the command. This delay applies to all inputs on the module. For example, if you want the button to perform the requested function only when held down for at least 4 seconds, simply set this time to 4s.
	OUTPUT STATUS RETRANSMISSION AFTER GROUP COMMAND	this tick box enables transmission, over the BUS, of the status of the outputs activated following a group command received by the module. We recommend enabling this tick when group commands have been programmed for the system and system managers (for example Planux Manager, Serial Bridge, etc) are installed. This retransmission carried out by the module receiving the command, which may be sent with a maximum delay of 12 seconds, is important in order to update the status of the outputs on the system managers.

DIMMER PARAMETERS

General	Groups				
Descriptio	n:	Dimmer output			
Output type: Load type: Min. value: Second value:		Dimmer with presence Inductive load			
		- Courte	25γ	0	-
		Wait time (minutes):		0 min	+
Wait time (seconds):		20 s	*		
ON/OFF f	ade speed:	Slow	•		
Dimming f	ade speed:	Fast	-		
Dimmer input polarity:		Normally open			

General

DES	DESCRIPTION enter a short description of the module to easily identify it within the project. Exa Mod5 503 ground floor bathroom input		
OU	TPUT TYPE	 DIMMER: this function can be used to: Select a pre-set brightness level: when you press the button connected to this input, the brightness is automatically set to the value indicated by the programming software. Adjust the brightness using two buttons: this function involves the use of two inputs - one is programmed to switch the light off or to reduce its brightness if held pressed, and the other is programmed to switch the light off or to reduce its brightness. If held pressed. Control the local dimmer: in the same way as for the digital input on the dimmer, you can also program the input of another module so that a single press switches the light on/off, and holding the button pressed adjusts its brightness. DIMMER WITH PRESENCE: this function can be used to: Set the dimmer using the Presence detection function, which uses a motion sensor connected to the input of a digital module to increase the brightness of the light if the sensor detects the presence of a person in the room, and to reduce the brightness or switch the light off if there is no-one in the room. 	
LOA	AD TYPE	select the load type in accordance with the type of lamp connected: CAPACITIVE LOAD for Halogen lamps with electronic transformer, compact fluorescent lamps, LED lamps, 230 Vac. INDUCTIVE LOAD for 230 Vac halogen lamps. ELECTROMAGNETIC TRANSFORMER LOAD for low voltage halogen lamps with electromagnetic transformer (wound).	
MIN	I. VALUE	set the "Min. value" (1-255) to establish the minimum light intensity at which the controlled lamp should be switched on; at lower values the output will remain off. The minimum value cannot be set to 0.	
SEC	COND VALUE	set a second value (0-255) to control lamp activation at a pre-set light intensity level. The setpoint must be greater than the minimum value (otherwise the light will remain off).	
ON SPE	/off fade Eed	set the speed (slow/medium/fast) for light intensity level transition when switching from 0N -> 0FF, 0FF -> 0N.	
DIN SPE	iming fade Ed	set the speed (slow/medium/fast) for light intensity level transition during adjustment.	
DIN POI	imer input _arity	set the input polarity: NORMALLY OPEN / NORMALLY CLOSED	
'ESY	COURTESY VALUE	enter the value (0-255) at which the lamp will assume "absence" condition (presence not detected).	
COURI	WAIT TIME MINUTES/ SECONDS	set the duration of the timed light activation interval as desired. If presence is detected, the timed light will come on for the pre-set period.	
Gro	oups		
DIN GR	imer output Dups	GROUP 1/2/3/4: up to 4 groups can be associated with the dimmer output, to control the output using group commands. Pressing gives access to the group manager panel from which you can create or delete groups.	

GROUPS	the output using group commands. Pressing gives access to the group manager panel from which you can create or delete groups.
PRIORITY GROUP	PRIORITY GROUP: a priority group can be associated with the dimmer output in order to lock/unlock the dimmer and set 0N/OFF commands to establish dimmer behaviour on receipt of the lock/unlock command. Pressing gives access to the group manager panel from which you can create or delete groups.
	STATUS ON SET COMMAND: the module no longer manages any commands received over the BUS and forces the output to assume the set ON/OFF status (regardless of how the output was programmed using the programming software).
	STATUS ON RESET COMMAND: the module resumes normal operation and forces the output to assume the set ON/OFF status (regardless of how the output was programmed using the programming software).
VIRTUAL OUTPUTS GROUPS	SECOND VALUE GROUP: a group can be associated with the fixed value output to set the set point value with a zone command.
	PRESENCE ENABLE GROUP: a group can be associated with the output to enable/ disable the presence function with a group command.
	PRESENCE GROUP: a group can be associated with the output to enable/disable the presence function with a group command.
	Pressing gives access to the group manager panel from which you can create or delete groups.

INTERFACE FOR DALI AND DMX PROTO-COLS - ART. 20004600

Module address:	21		
Protocol:	Dali		16
	Dali		
	Dmx		
		ОК	Cancel

MODULE INFORMATION

1

Information	~	Module information	
Module information		Module information	
Outputs	^	Address:	90
Outputs		Description:	20004600 (Dali Dmx) 90
		Type:	DalDmx
		Firmware version:	3.0
		Protocol:	Dali 🔫
DESCRIPTION	enter Exam	a short description of the mod ple: Mod5 503 ground floor bath	dule to easily identify it within the project room input
	Exam	ple: Mod5 503 ground floor bathi	room input
TYPE	Indica	ates the model of the module beir	ng programmed
FIRMWARE VERSION	Modu If a r This with t modu of the The n	le firmware version. eading has never been taken fm value should not be taken as the he current module firmware versi le as soon as it is added to the s programming parameters. nodule firmware version is also di The availability of certain function	om the module, this value is shown as "" firmware version. To update this informatior ion, we recommend taking a reading from the ystem, before moving on to the configuration isplayed on the "Search modules" screen. ons depends on the firmware version!
PROTOCOL	you c comp	an choose between the DALI pro onents installed in the system.	tocol and the DMX protocol, according to the

Advanced

Module delay after group command received:	600 ms	
Output delay after group command received:	200 ms	

MODULE DELAY AFTER GROUP COMMAND RECEIVED	indicates the delay between receipt of a group command and switching of the module outputs associated with this group. This setting is used to delay the execution of commands across the various modules associated with the same group and therefore prevent the generation of large amounts of data over the BUS. For example, if you order a module to deactivate all outputs will a group command and a delay of 2 seconds has been set, the outputs will be deactivated 2 seconds after the command is received.
OUTPUT DELAY AFTER GROUP COMMAND RECEIVED	indicates the delay between activation of one output and the next on receipt of a group command controlling several outputs belonging to the same module. For example, if you send a group command to a module to deactivate all outputs and a delay of 2 seconds has been set, the first output will be deactivated, then the second output will be deactivated 2 seconds later, and so on.
OUTPUT STATUS RETRANSMISSION AFTER GROUP COMMAND	this tick box enables transmission, over the BUS, of the status of the outputs activated following a group command received by the module. We recommend enabling this tick when group commands have been programmed for the system and system managers (for example Planux Manager, Serial Bridge, etc) are installed. This retransmission carried out by the module receiving the command, which may be sent with a maximum delay of 12 seconds, is important in order to update the status of the outputs on the system managers.

OUTPUTS

	ontor a	enter a description for the output to facilitate identification you can select a group from those available				
GROUP	you ca					
OUTPUT TYPE	you can choose between: LIGHT RGB LIGHT (M.B.: each RGB light will occupy 3 outputs - one for each colour +G+B!)					
OUTPUT FUNCTION	the ava NOT US MONOS INVER STEP E TIMED DIMMI	ailable functions a SED STABLE TER BY SETP ER	are:			
TIME	this parameter defines the output activation time (TIMED outputs only!)					nly!)
Information	A.	Outputs				
Module information		Show advar	nced columns			
Outputs	~	Dali Dmx a	Module ad	Output nu	Output des	Group
Outputs		0	90	1	DALI1	Gruppo 90 4
		1	90	2	DAL12	Gruppo 90
		2	90	3	DAL13	Gruppo 90
		3	90	4	DALI4	Gruppo 90
		4	90	5	DALIS	Gruppo 90
		5	90	6	DAL16	Gruppo 90
		6	90	7	DALI7	Gruppo 90
		7	90	8	DAL18	Gruppo 90
		8	91	1	Uscita 1	Gruppo 90
		.9	91	2	Uscita 2	Gruppo 90
		10	91	3	Uscita 3	Gruppo 90
		11	91	4	Uscita 4	Gruppo 90
		12	91	5	Uscita 5	Gruppo 90
		12 13	91 91	5	Uscita 5 Uscita 6	Gruppo 90 Gruppo 90
		12 13 14	91 91 91	5 6 7	Uscita 5 Uscita 6 Uscita 7	Gruppo 90 Gruppo 90 Gruppo 90
		12 13 14 15	91 91 91 91	5 6 7 8	Uscita 5 Uscita 6 Uscita 7 Uscita 8	Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90
		12 13 14 15 16	91 91 91 91 92	5 6 7 8 1	Uscita 5 Uscita 6 Uscita 7 Uscita 8 Uscita 1	Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90
		12 13 14 15 16 17	91 91 91 91 92 92	5 6 7 8 1 2	Uscita 5 Uscita 6 Uscita 7 Uscita 8 Uscita 1 Uscita 2	Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90
		12 13 14 15 16 17 18	91 91 91 91 92 92 92	5 6 7 8 1 2 3	Uscita 5 Uscita 6 Uscita 7 Uscita 8 Uscita 1 Uscita 2 Uscita 3	Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90
		12 13 14 15 16 17 18 19	91 91 91 92 92 92 92 92	5 6 7 8 1 2 3 4	Uscita 5 Uscita 6 Uscita 7 Uscita 8 Uscita 1 Uscita 2 Uscita 3 Uscita 4	Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90
		12 13 14 15 16 17 18 19 20	91 91 91 92 92 92 92 92 92	5 6 7 8 1 2 3 4 5	Uscita 5 Uscita 6 Uscita 7 Uscita 8 Uscita 1 Uscita 2 Uscita 3 Uscita 4 Uscita 5	Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90 Gruppo 90



Select SHOW ADVANCED COLUMNS to display further parameters.

START / STOP
DIMMER
FADE TIME /
FADE STEP

set the parameters (0 \sim 255) to determine the brightness of the dimmer set the parameters (0 \sim 255) to determine the dimmer transition times

INDOOR TEMPERATURE PROBE ON KEY-STONE ADAPTER - ART. 20004100

See "INDOOR TEMPERATURE AND HUMIDITY PROBE ON KEYSTONE ADAPTER - ART. 20004120"

INDOOR TEMPERATURE AND HUMIDITY PROBE ON KEYSTONE ADAPTER - ART. 20004120

MODULE INFORMATION

L

Module information		
Address:	6	
Description:	Temperature/humidity.probe_1	
Type:	20004120 (Thermostat/humidity sensor)	
Firmware version:	-	
ADDRESS	Progressive number assigned to the module by SimpleProg the moment it is added to the devices list. To change the module address number, proceed as in paragraph "Program module address" on page 5	
DESCRIPTION	enter a short description of the module to easily identify it within the project. example: <i>Mod5 503 ground floor bathroom input</i>	
ТҮРЕ	Indicates the model of the module being programmed	
FIRMWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. The availability of certain functions depends on the firmware version!	

Advanced

✓ Message retransmission

 \checkmark Output status retransmission after group command

Enable status LED

0	MESSAGE RETRANSMISSION	this function can be used to resend the command in the event that the module under control does not respond. under normal conditions a single transmission is enough to control the output; if however the command is not received, the module will make a new attempt, up to a maximum of 3. we recommend that this function is always enabled to ensure greater security for the commands sent.
ADVANCE	OUTPUT STATUS RETRANSMISSION AFTER GROUP COMMAND	this tick box enables transmission, over the BUS, of the status of the outputs activated following a group command received by the module. We recommend enabling this tick when group commands have been programmed for the system and system managers (for example Planux Manager, Serial Bridge, etc) are installed. This retransmission carried out by the module receiving the command, which may be sent with a maximum delay of 12 seconds, is important in order to update the status of the outputs on the system managers.
	ENABLE STATUS LED	this function enables the LED to indicate activation of the climate zone in temperature and/or humidity control.

THERMOSTAT PARAMETERS

General	Winter mode	Summer mode	Advanced	
✓ Enable	thermostat			
Send temp	erature interval:	3	00 s	
Temperatu	ire hysteresis:	0,	,1℃	
Temperatu	re offset:	0	.0 ℃	-

General

ENABLE THERMOSTAT indicates whether the thermostat function is enabled.

SEND TEMPERATURE	Indicates the time interval in seconds between each transmission of the temperature
INTERVAL	reading over the bus. Sending these temperature readings serves to update the
	system managers.

TEMPERATURE HYSTERESIS	indicates the thermostat output activation interval, in tenths of a degree. For example, if this is set to 4 tenths of a degree (default value) and the thermostat is set to 20°C in winter day mode, it will activate the relay until the temperature of 20°C is reached. After switching off, it will be reactivated when the temperature drops below 19.6°C (20°C - 0.4°C). In summer mode, operation is reversed and therefore if a setpoint of 20°C is selected, the thermostat will activate cooling mode until the temperature drops 20.4°C. After switching off, it will be reactivated when the temperature seceeds 20.4°C.
TEMPERATURE OFFSET	you can specify a correction factor, in tenths of a degree (this can also be a negative value), to be added to the actual temperature reading. This is set by default to 0.

Winter mode / Summer mode

day Nigi Emp	Threshold It Threshold Ty Threshold	select the setpoint and the zone to which the various operating modes will be applied
DAY GRO	/ NIGHT / OFF UP	a zone number can be assigned to one of the 3 day, night or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all thermostats or Minitouch units in the system.
	ADDRESS	enter the corresponding address used for activation of the temperature control system in the selected mode
	OUTPUTS	enter the corresponding output used for activation of the heating or cooling system in the selected mode
REMOTE VALVE	FAN COIL SPEED CONTROL	DIGITAL: set this option if you want to control a multi-speed convector heater which is connected to a module over the BUS. In this case the first 4 module outputs on the installed module will be reserved for this function. Set the number of the module you wish to use and specify which of the 3 speeds will be used. For example, if you select "Remote valve" and set the module number to 2, output 1 on module 2 will be used to enable and activate the temperature control machine, while outputs 2, 3 and 4 on module 2 will be used to control the 3 speed levels. Output 2 for speed level 1, output 3 for speed level 2 and output 4 for speed level 8. ANALOGUE: this parameter can be used to set the climate zone to control a multispeed fan coil unit with a 0-10V analogue input. In this way the climate zone will send a speed control command to the analogue 0-10V output connected to the fan oil unit to control is speet in the advanced menu, and which are selected on the basis of the difference between the temperature setting for the difference, the greater the output voltage (0-10V). The temperature differences that trigger changes in speed can be set in the advanced settings.

Advanced

WINTER-SUMMER SIGNALLING MODULE	this option can be used to configure an output to obtain an indication of summer mode.
DAY / NIGHT / OFF GROUP	a zone number can be assigned to one of the 3 day, night or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all thermostats or Minitouch units in the system. Pressing gives access to the group manager panel from which you can create or delete groups.
TEMPERATURE CHANGE FROM SPEED 1 TO 2 and from 1 TO 2	these values indicate the temperature difference, in relation to the setpoint, required for activation of speed 2 or speed 3 in fan coil mode

HUMIDISTAT PARAMETERS (art. 20004120 only)

General	Dehumidifie	er	Humidifier	Advanced
Fnable	humidity ser	nsor		
Send hum	dity interval:		30	00 s -
Humidity H	iysteresis;		5	,0 %rh ~
Humidity o	ffset:		n,	,0 %rh -
	MIDITY	• • •		
SENSOR		enat	les the humio	dity sensor function.
Send Hum Interval	DITY	indicates the time interval in seconds between each transmission of the setpoints and humidity settings over the BUS. These transmissions update the system managers as to the status (e.g. humidity readings). We recommend leaving this parameter set to the default value (5 minutes).		
Humidity Hysteresi	S	humidity hysteresis allows control of the humidification/dehumidification system without continuous activation or deactivation of the machine. For example, if you set a hysteresis of 5% and a humidity value of 60% for dehumidification, the dehumidifier will stop when the humidity reaches 55% (60% set value - 5% hysteresis) and restart when the value rises to 61%.		
Humidity (OFFSET	you can specify a correction factor to be added to the actual humidity reading. This is set by default to 0.		

DAY THRESHOLD	select the setpoint and the zone to which the various operating modes will be applied
NIGHT THRESHOLD	
EMPTY THRESHOLD	

DAY / NIGHT / OFF Group		a zone number can be assigned to one of the 3 day, night or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all thermostats or Minitouch units in the system.	
	ADDRESS	enter the corresponding address used for activation of the humidity control system in the selected mode $% \left({{{\left[{{{c_{\rm{s}}}} \right]}_{\rm{s}}}_{\rm{s}}} \right)$	
	OUTPUTS	enter the corresponding output used for activation of the humidity control system in the selected mode $% \left[{\left({n_{\rm s}} \right)_{\rm s}} \right]$	
OUTPUT COMMAND	FAN COIL SPEED CONTROL*	DIGITAL:set this option if you want to control a multi-speed convector heater connected to a module over the BUS. In this case the first 4 module outputs on the installed module will be reserved for this function. Set the number of the module you wish to use and specify which of the 3 speeds will be used. For example, if you select "Remote valve" and set the module number to 2, output 1 on module 2 will be used to enable and activate the temperature control machine, while outputs 2, 3 and 4 on module 2 will be used to control the 3 speed levels Output 2 for speed level 1, output 3 for speed level 2 and output 4 for speed level 3. ANALOGUE: this parameter can be used to set climate zone to control a multi-speed fan coil unit with a 0-10V analogue input. In this way the climate zone will send a speed control command to the analogue output control provides 3 speed settings, which can be set as required in the advanced parameters menu, and which are selected on the basis of the difference between the humidity setting for the climate zone and the actual humidity measured in the room. The greater the difference, the greater the output voltage (0-10V). The differences in humidity that trigger changes in speed can be set in the advanced settings.	

Advanced

day / Night / Off group	a zone number can be assigned to one of the 3 day, night or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all thermostats or Minitouch units in the system.
HUMIDITY CHANGE	these values indicate the humidity difference, in relation to the setpoint, required for activation of speed 2 or speed 3 in fan coil mode.
FROM SPEED 1 2 3	these values indicate the analogue values for the three speeds to be applied in analogue fan coil mode.

DEW POINT PARAMETERS (art. 20004120 only)

T

General Ad	vanced	
∠ Dew point o	control enabled	
Send dew point	interval: 300 s	-
Dew point hyst	eresis: 5,0 °C	*
Dew point offs	el: 20,0 ℃	-

General ·····	
Send dew point Interval	enter the time interval in seconds between each transmission of the setpoints and settings over the BUS. these transmissions update the system managers as to the status (e.g. humidity readings). We recommend leaving this parameter set to the default value (5 minutes).
DEW POINT Hysteresis	the dew point hysteresis allows control of the humidification/dehumidification system without continuous activation or deactivation of the machine. For example, with a hysteresis of 0.4°, if a dew point offset of 20°C is set, the function will activate at 20°C and deactivate at 19.6°C.
DEW POINT OFFSET	indicates the temperature below which the function is automatically deactivated

Advanced

ENABLE / DISABLE GROUP	you can assign an ENABLE GROUP and a DISABLE GROUP to the DEWPOINT function to activate or deactivate the function itself. Pressing gives access to the group manager panel from which you can create or delete groups.
OUTPUT	you can select a MODULE and an OUTPUT to associate with the dew point function. Pressing gives access to the group manager panel from which you can create or delete groups.

TEMPERATURE AND HUMIDITY PROBE, PT100 - ART. 20004140

MODULE INFORMATION

ADE	DRESS	ogressive number assigned to the module by SimpleProg the moment it is added the devices list.			
		I o assign an address to the module, use the DIP-switches			
DES	SCRIPTION	er a short description of the module to easily identify it within the project. mple: <i>Mod5 503 ground floor bathroom input</i> cates the model of the module being programmed			
TYP	E				
FIRI	NWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. The availability of certain functions depends on the firmware version!			
Ð	ENABLE STATUS L	ED this function enables the LED indicating activation of the climate zone in temperature for the temperature probe supplied.			
ADVANCI	MINIMUM INPUT CLOSED TIME	sets the time for which the input must remain closed in order to send the command. For example, if you want the button to perform the requested function only when held down for at least 4 seconds simply set this time to 4s			

INPUTS

For information regarding the programming of digital input 1, see paragraph "Inputs" on page <u>10</u>

THERMOSTAT

General	Heating mode	Cooling mode	Advanced	
✓ Enable	e thermostat			
Send temp	perature on: ()	Time interval 💿 T	Temperature change	
Send temp	perature change:	0,1	°C.	

General ENABLE THERMOSTAT tick the box to enable.

SEND TEMPERATURE ON:	select the method for transmission of the temperature reading over the bus. sending these temperature readings serves to update the system managers. TIME INTERVAL : the temperature reading will be sent to the system manager at time intervals set in the "Send temperature interval" field. TEMPERATURE CHANGE : the temperature reading will be sent to the system manager when there are changes in the room temperature reading equal to or greater than those set in the "Send temperature change" field
TEMPERATURE OFFSET	you can specify a correction factor, in tenths of a degree (this can also be a negative value), to be added to the actual temperature reading. This is set by default to 0.
Heating mode / (Cooling mode
DAY THRESHOLD	set the desired temperature threshold
TEMPERATURE HYSTERESIS	Indicates the thermostat output activation interval, in tenths of a degree. For example, if this is set to 4 tenths of a degree (default value) and the thermostat is set to 20°C in day heating mode, it will activate the relay until the temperature of 20°C is reached. After switching off, it will be reactivated when the temperature drops below 19.6°C (20°C - 0.4°C). In cooling mode, operation is reversed and therefore if a setpoint of 20°C is selected, the thermostat will activate cooling mode until the temperature drops to 20°C. After switching off, it will be reactivated when the temperature exceeds 20.4°C.
ADDRESS	Enter the corresponding address used for activation of the temperature control system in the selected mode $% \left({{{\rm{c}}} {{\rm{c}}} {{c$
OUTPUT	Enter the corresponding output used for activation of the heating or cooling system in the selected mode
FAN COIL SPEED CONTROL	DIGITAL: set this option if you want to control a convector heater with ON/ OFF inputs to change the speed and this convector heater is connected to a module over the BUS. In this case up to 3 outputs on the installed module will be reserved for this function. Set the number of the module and the number of the outputs (associated to speed levels) you wish to use. ANALOGUE: this parameter can be used to set climate zone to control a multi-speed fan coil unit with a 0-10V analogue input. In this way the climate zone will send a speed control command to the analogue 0-10V output connected to the fan coil unit to control its operating speed. The analogue output control provides 3 speed settings, which can be set as required in the advanced menu, and which are selected on the basis of the difference between the temperature setting for the climate zone and the output voltage (0-10V). The temperature differences that trigger changes in speed can be set in the advanced settings.

CED	FROST / HIGH TEMPERATURE PROTECTION THRESHOLD	the function protects the system in the event of extreme temperatures. if the temperature exceeds the set value, the system (even when set to OFF) will come on automatically to restore suitable conditions as dictated by temperature hysteresis.
ADVAN	DAY GROUP OFF GROUP	A group number can be assigned to one of the 2 day or OFF setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all the thermostats in the system. Pressing $$ with a same saccess to the group manager panel from which you can create or delete groups.
HEATING BLOCK	ENABLE BLOCK FROM PT100 TEMPERATURE	If this option is enables the system will stop heating as soon as the temperature read by the PT100 reaches the set threshold.

Advanced ••••	
HUMIDIFICATION/ DEHUMIDIFICATION SIGNALLING	This option can be used to configure an output to obtain an indication of humidification or dehumidification mode. Output active = dehumidification mode, output inactive = humidification mode.
DAY GROUP OFF GROUP	A group number can be assigned to one of the 2 day or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all the thermostats in the system. Pressing jues access to the group manager panel from which you can create or delete groups.

DEW POINT

Advanced

HEATING / COOLING SIGNALLING	This option can be used to configure an output to obtain an indication of heating or cooling mode. Output active = cooling mode, output inactive = heating mode.
DAY GROUP OFF GROUP	A group number can be assigned to one of the 2 day or OFF setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all thermostats or Minitouch units in the system. Pressing gives access to the group manager panel from which you can create or delete groups.

HUMIDITY SENSOR

T

Information		Humidist	at parar	neters			
Module information Inputs		General	Dehumdific	ation mode	Humdification mode	Advanced	
II. Ingresso 1 Thermostat		Send humi	✓ Enable humidity sensor Send humidity on:				
Thermostat parameters		Send humi	dity change:	1 %rh			-
Humidistat parameters		Humidity o	ffset:	0,0 %rh			•
Dew point parameters							
PT100 thermostat	•						
PT100 parameters							
ENABLE HUMIDITY SENSOR		Enables the	humidity	sensor fu	nction.		
Send Humidity on		Indicates the these humin TIME INTER intervals se HUMIDITY there are changed	e method dity readin RVAL: the t in the "S CHANGE: nanges eq	for transings serves humidity end hum the humidity ual to or g	nission of the hun s to update the sys reading will be s idity interval" field dity reading will be greater than those	hidity reading or stem managers ent to the syste e sent to the syste set in the "Ser	ver the bus. Sending .m manager at time stem manager when nd humidity change"
HUMIDITY OFFSET		You can specify a correction factor to be added to the actual humidity reading. This is set by default to 0.					

Dehumidification mode / Humidification mode

	DAY THRESHOLD Set		the desired humidity threshold			
	HUMIDITY hi HYSTERESIS w if th		midity hysteresis allows control of the humidification/dehumidification system thout continuous activation or deactivation of the machine. For example, you set a hysteresis of 5% and a humidity value of 60% for dehumidification, e dehumidifier will stop when the humidity reaches 55% (60% set value - 5% steresis) and restart when the value rises to 61%.			
	ADD	RESS	enter the corresponding address used for activation of the humidity control system in the selected mode $% \left({{{\left[{{{\rm{c}}} \right]}_{{\rm{c}}}}_{{\rm{c}}}} \right)$			
OUTPUT		PUT	enter the corresponding output used for activation of the humidity control system in the selected mode $% \left({{{\mathbf{x}}_{i}}} \right)$			
	FAN CON	COIL SPEED TROL*	DIGITAL: set this option if you want to control a humidifier/dehumidifier with ON/OFF inputs for speed adjustment and this device is connected to a module over the BUS. In this case up to 3 outputs on the installed module will be reserved for this function. Set the number of the module and the number of the outputs (associated to speed levels) you wish to use. ANALOGUE: this parameter can be used to set the climate zone to control a multi- speed humidifier/dehumidifier unit with a 0-10V analogue input. This means the climate zone will send a speed control command to the analogue 0-10V output connected to the humidification/dehumidification unit to control its operating speed. The analogue output control provides 3 speed settings, which can be set as required in the advanced parameters menu, and which are selected on the basis of the difference between the humidity setting for the climate zone and the actual humidity (0-10V). The differences in humidity that trigger changes in speed can be set in the advanced settings.			
	ED	DAY GROUP OFF GROUP	A group number can be assigned to one of the 2 day or OFF setpoints. This means it is possible, by closing a digital input for example, to select the			
	VANC		same setpoint on all thermostats or Minitouch units in the system.			
	AD		vou can create or delete groups			

Information	~	Dew point parameter	s	
Module information Inputs		General Advanced		
II. Ingresso 1 Thermostat		Dew point control enabled Send dew point on: Time interval Dew point change 		
Thermostat parameters		Send dew point change:	0,1 °C	
Humidistat parameters		Dew point hysteresis:	0,2 °C	-
Dew point parameters		Use PT100 temperature for	dew point calculation	
PT100 thermostat		Cooled surface temperature:	20.0 %	-

DEW POINT CONTROL ENABLED	tick the box to enable.
Send dew point on	select the method for transmission of the temperature reading over the bus. these transmissions update the system managers as to the status (e.g. humidity readings). We recommend leaving this parameter set to the default value (5 minutes). TIME INTERVAL : the temperature reading will be sent at time intervals set in the "Send dew point interval" field. DEW POINT CHANGE : the temperature reading will be sent when there are changes equal to or greater than those set in the "Send dew point change" field.
DEW POINT HYSTERESIS	the dew point hysteresis allows control of cooling system activation/deactivation without continuous activation or deactivation of the machine. For example, with a hysteresis of 0.4°, if a dew point offset of 20°C is set, the function will activate at 20°C and deactivate at 19.6°C.
USE PT 100 TEMP. TO CALCULATE DEW POINT	means the temperature reading from the $\ensuremath{PT100}$ sensor can be used to calculate the dew point.
COOLED SURFACE TEMPERATURE	if the PT100 probe is not being used to calculate the dew point, the temperature reached by the cooling surface (floor) when the system is running can be set.
Advanced •••••	
ENABLE / DISABLE GROUP	you can assign an ENABLE GROUP and a DISABLE GROUP to the DEWPOINT function to activate or deactivate the function itself.
	$\ensuremath{Pressing}\xspace$ gives access to the group manager panel from which you can create or delete groups.
DEW POINT OVERCOMING	a MODULE and an OUTPUT paired with the dew point function can be selected to show when the calculated limit has been exceeded.
SIGNALLING	Pressing gives access to the group manager panel from which you can create or delete groups.
ENABLE / DISABLE GROUP	you can assign an ENABLE GROUP and a DISABLE GROUP to the DEWPOINT function to activate or deactivate the function itself.
	Pressing gives access to the group manager panel from which you can create or delete groups.
DEW POINT OVERCOMING	a MODULE and an OUTPUT paired with the dew point function can be selected to show when the calculated limit has been exceeded.
GRANELING	Pressing gives access to the group manager panel from which you can create or delete groups.

See paragraph "Thermostat" on page 21

MODBUS HVAC INTERFACE MODULE -ART. 20003400

MODULE INFORMATION

L

Module information					
Address:	8				
Description:	Modbus HVAC interface 1				
Type:	20003400 (Modbus HVAC interface)				
Firmware version:	1.1.0.5				

ADDRESS	Progressive number assigned to the module by SimpleProg the moment it is added to the devices list. To change the module address number, proceed as in paragraph "Program module address" on page 5
DESCRIPTION	enter a short description of the module to easily identify it within the project. example: <i>Mod5 503 ground floor bathroom input</i>
TYPE	Indicates the model of the module being programmed
FIRMWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. A The availability of certain functions depends on the firmware version!

MODULE CONFIGURATION

Module configuration			
Interface type:	Mitsubishi Electric Mel	co Bems mini (A1	M) -
^ Advanced			
Heating group:	No group	-	
Cooling group:	No group	*	

INTERFACE TYPE Select the interface for your own heating/cooling system

ADVANCED	HEATING / COOLING GROUP	A group number can be assigned to each of the two operating modes (heating and cooling). This means it is possible, for example by closing a digital input, to set the same operating mode on all thermostats or Minitouch devices in the system. Pressing gives access to the group manager panel from which you can create or delete groups.

THERMOSTATS

General

General	Heati	ng mode	Cooling mode	Advanced		7	
✓ Enable External p	thermo	ostat					
Addre	ss: N	lot used 🔄	Input:	Not used	•		
Modbus ac	dress:		1		*		
Use HVAC	for:		Cooling		*		
Send temp	erature	interval:	300 s		*		
ENABLE THE	RMOSTA	Indicates v	whether the thermo	ostat function is en	abled.		
ADDRESS		enter the readings i probe art. example, l	enter the address of the temperature probe on the BUS used for room temperature readings in the selected climate zone (for example, the address of a temperature probe art. 20004120) or of a system manager with integrated climate zone (for example, lcona Manager art. 20003310W)				
INPUT		enter the selected d	enter the input for the climate zone used for room temperature readings. If the selected device only has one input, you will have to set 1.				
MODBUS ADI	MODBUS ADDRESS Enter the address set on the ModBus interface of the air conditioning machine the selected climate zone.				tioning machine for		

USE HVAC FOR	Select the function that will be managed directly by the modbus. If both heating an cooling need to be controlled in a system, but only cooling is managed via ModBu protocol, the parameters for "heating" mode need to be set on the ModBus interfac screen, while no parameters need to be programmed on the screen of the senso providing room temperature readings.
SEND TEMPERATURE INTERVAL	Enter the time interval at which the temperature reading will be sent to the system manager
Heating mode /	Cooling mode
DAY THRESHOLD	Set the desired temperature threshold
Temperature Hysteresis	Indicates the thermostat output activation interval, in tenths of a degree. For example, if this is set to 4 tenths of a degree (default value) and the thermostat is set to 20°C in day heating mode, it will activate the relay until the temperature of 20° is reached. After switching off, it will be reactivated when the temperature drop below 19.6°C (20°C - 0.4°C). In cooling mode, will activate cooling mode and therefor if a selpoint of 20°C is selected, the thermostat will activate cooling mode unt the temperature drops to 20°C. After switching off, it will be reactivated when the temperature exceeds 20.4°C.
ADDRESS	Enter the corresponding address used for activation of the temperature contrasystem in the selected mode
OUTPUT	Enter the corresponding output used for activation of the heating or cooling system in the selected mode
Advanced •••••	This option can be used to configure an output to obtain an indication of heatin or cooling mode. Output active = cooling mode. output inactive = heating mode.
HVAC FAN SPEEDS	Set the number of speed levels available on the cooling/heating system machines
ENABLE HVAC FAN SPEED AUTO	Enable this function if the machine used to control heating or cooling has a Automatic speed function. The speed will increase or decrease depending on the difference in temperature between the desired value and the actual value
HVAC VANE POSITIONS	Set the number of positions available for vane adjustment when directing the air on the heating/cooling system machines

ENABLE HVAC VANE Enable this function if the machine used to control heating or cooling has an SWING Automatic vane swing function for air direction adjustment.

ANALOGUE MODULES

Analogue modules can be used to read and set a signal between 0 and 10 V, and therefore make it possible to have an adjustable value which varies over time. The analogue inputs are usually used for the connection of sensors with a 0-10 V output, such as brightness level sensors, humidity sensors, temperature sensors, etc... The only device integrated into the Comelit system capable of providing a 0-10 V signal is the temperature sensor 20046708. When using the temperature sensor connected to the analogue input the system manager can be used to check, view and set the temperature measured by the sensor (in degrees Centigrade). If using other devices or temperature sensors, it will not be possible to view the recorded value on the system managers or set/adjust the intervention setpoints.

The analogue outputs (for example, on module 20046810) are usually used for the connection of dimmers with a 0-10V input, and therefore for brightness control. For dimmer operation, the 0-10 V output must be set up for the "Dimmer" function. Control of a 0-10 V output on the 20046810 module for the adjustment of a dimmer, for example, must be carried out either from a system manager or from a common digital input programmed to control the 20046810 module with the relevant output 1 or 2. It is not possible to control the 2 outputs on the 20046810 module simultaneously when adjusting the brightness from a single digital input, i.e. from one button.

2IN ANALOGUE MODULE - ART. 20046707

MODULE INFORMATION

Information		Module infor	mation	
Module informa	ation	– Module informa	tion	
Inputs	(\downarrow)	Address:	11	
	0	Description:	2I analogue module	
		Type:	20046707 (21)	
		Firmware version:	-	
ADDRESS	Progressiv to the devi <u>"Program</u>	ve number assigned to the ices list. To change the r module address" on pag	e module by SimpleProg the mor odule address number, proceed e 5	nent it is addec as in paragraph
DESCRIPTION	enter a sh example: /	ort description of the mo Mod5 503 ground floor b	dule to easily identify it within the athroom input	project.

TYPE	Indicates the model of the module being programmed
FIRMWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. The availability of certain functions depends on the firmware version!

Advanced

MESSAGE RETRANSMISSION	this function can be used to resend the command in the event that the module under control does not respond.
	under normal conditions a single transmission is enough to control the output; if
	however the command is not received, the module will make a new attempt, up to a maximum of 3.
	we recommend that this function is always enabled to ensure greater security for the commands sent.

INPUTS

DESCRIPTION		enter a short description of the module to easily identify it within the project. Example: <i>Mod5 503 ground floor bathroom input</i>
TYPE		AUTO SEND STATUS / AUTO SET OUTPUT / THERMOSTAT
TO TATUS	send value Interval	set a time (in seconds) for transmission of the input value via bus. These transmissions are used to update the analogue inputs.
AUT Send St	send value on Change	set the input variation value (0-255) for transmission via bus without waiting for the value transmission interval.
UTO SET OUTPUT	Command Send Delay	set a time (in seconds) for transmission of the command via bus after the set threshold has been exceeded.

Output activation thresholds

This option can be used to select setpoints (8 upward and 8 downward) for the 0-10V input, for the activation or deactivation of an output when the specified setpoint is exceeded. For example, it can be used to activate an output when a certain brightness level is detected by a 0-10 V dawn/dusk sensor. This means it is possible to activate 8 different outputs when the value recorded by the 0-10 V input increases, and deactivate the same (or different) outputs when the 0-10 V signal decreases, and deathvate the same (or hintern) outputs when the 0-10 V signal decreases. The value recorded by the analogue input is converted to an 8-bit value, from 0 to 255. The value recorded and converted to an 8-bit format cannot be viewed on the system manager devices.

	Lines and the second	01000000					
p threshold:	1						
Threshold p	roperties -						
- fegreissinnen mit an							
- formannin							
Threshold val	ue: 0						
Threshold val Target:	ue: 0 Digital mo	odule					+
Threshold val Target: Module:	ue: 0 Digital mo Address:	odule Not used	•	Output:	Not used	•	

Send Value Interval	Indicates the time interval in seconds between each transmission of the temperature reading over the bus. Sending these temperature readings serves to update the system managers.
TEMPERATURE OFFSET	if the temperature reading taken in the room by another instrument is slightly different to that displayed by the thermostat due to the installation position of the latter, a correction coefficient, measured in tenths of a degree (this can also be negative), can be applied and added to the actual temperature reading. This is set by default to 0.
TEMPERATURE HYSTERESIS	indicates the thermostat output activation interval, in tenths of a degree. For example, if this is set to 4 tenths of a degree (default value) and the thermostat is set to 20°C in winter day mode, it will activate the relay until the temperature of 20°C is reached. After switching off, it will be reactivated when the temperature drops below 19.6°C (20°C - 0.4°C). In summer mode, operation is reversed and therefore if a setpoint of 20°C is selected, the thermostat will activate cooling mode until the temperature drops to 20°C. After switching off, it will be reactivated when the temperature drops to 20°C. After switching off, it will be reactivated when the temperature exceeds 20.4°C.

Thermostat thresholds

This option allows you to set a temperature threshold for the various operating modes.

	010.	4 °C						
1.1.1.1	1 101	1.1.1.1.1.1		100110	1 1 1 1 1			
light thres	hold:	4 °C						
ta ina	4 900	1. 1. 1. 1. 1	1.1.1.1	1.1.1.4	1.1.1.1.1			1000
mpty three	shold:	4°C	1.1.1.1		1 611 612	1 2 3 6 3 7	103 (FOR 1037	1.1.1
Target type	2:	Digital mo	odule					

2IN/2OUT ANALOGUE MODULE - ART. 20046810

Module information

MODULE INFORMATION

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Module information

Inputs	×	Address:	38	
Outputs	×	Description:	20046810 (2120) 38	
		Type:	20046810 (2120)	
		Firmware version:	4.0.0	
ADDRESS	Progre to the <u>"Prog</u>	essive number assig devices list. To char ram module address	ned to the module by SimpleProg the moment it is added to the module address number, proceed as in paragraph " on page 5	
DESCRIPTION	enter a short description of the module to easily identify it within the project. example: Mod5 503 ground floor bathroom input Indicates the model of the module being programmed			
TYPE				
FIRMWARE VERSION	Modu If a re This v with t modu of the The m	ydule firmware version. a reading has never been taken from the module, this value is shown is value should not be taken as the firmware version. To update this infor th the current module firmware version, we recommend taking a reading fr odule as soon as it is added to the system, before moving on to the config the programming parameters. e module firmware version is also displayed on the "Search modules" scre The availability of certain functions depends on the firmware version!		

Advanced

Module delay after group command received:	0 ms	
Output delay after group command received:	0 ms	
✓ Message retransmission		
Group command retransmission		
✓ Message retransmission ✓ Group command retransmission		

MESSAGE	this function can be used to resend the command in the event that the module under
RETRANSMISSION	control does not respond.
	under normal conditions a single transmission is enough to control the output; if
	however the command is not received, the module will make a new attempt, up to
	a maximum of 3.
	we recommend that this function is always enabled to ensure greater security for
	the commands sent.

INPUTS

DESCRIPTION		IPTION	enter a short description of the module to easily identify it within the project. example: Mod5 503 ground floor bathroom input
	TYPE		AUTO SEND STATUS AUTO SET OUTPUT
	TO TATUS	SEND VALUE	set a time (in seconds) for transmission of the input value via bus. These transmissions are used to update the analogue inputs.
	AU Send S	SEND VALUE ON Change	set the input variation value (0-255) for transmission via bus without waiting for the value transmission interval.
	AUTO SET OUTPUT	COMMAND Send Delay	set a time (in seconds) for transmission of the command via bus after the set threshold has been exceeded.

Output activation thresholds

This option can be used to select setpoints (8 upward and 8 downward) for the 0-10V input, for the activation or deactivation of an output when the specified setpoint is exceeded. For example, it can be used to activate an output when a certain brightness level is detected by a 0-10 V dawn/dusk sensor. This means it is possible to activate 8 different outputs when the value recorded by the 0-10 V input increases, and deactivate the same (or different) outputs when the 0-10 V signal decreases. The value recorded by the analogue input is converted to an 8-bit value, from 0 to 255. The value recorded and converted to an 8-bit format cannot be viewed on the system manager devices.

	Down thres	holds				
Up threshold:	1					
- Threshold pro	operties -					
Threshold value	:: 0			uinterre in an	******	
Threshold value	e: 0 Digital mo	odule				*
Threshold value Target: Module:	:: 0 Digital mo Address:	odule Not used	* Output:	Not used	•	•

1IN/1OUT ANALOGUE MODULE - ART. 20004820

MODULE INFORMATION

Module information			Module informat	ion			
1	nputs	^	Address:	3			
	II. Input I		Description:	1110 0-10V dimmer 1			
Outputs			Type:	20004820 (Analog 1110)			
2	outputs		Firmware version:	-			
	AO. Analogue outpu	,t					
ADI	ADDRESS Progres to the d		sive number assigned to the module by SimpleProg the moment it is addec evices list. assign an address to the module, use the DIP-switches.				
DES	SCRIPTION	Enter a recomm Example	short description of nend entering the ins e: <i>Mod5 503 ground</i>	the module to easily identify it within the project. We tallation point and function of that module. <i>floor bathroom input</i>			
TYF	E	Indicate	Indicates the model of the module being programmed				
FIR	MWARE VERSION	Module If a read This val with the module of the put The mod	firmware version. ding has never bee ue should not be tal current module firm as soon as it is add rogramming parame dule firmware versio e availability of cert	n taken from the module, this value is shown as "-". (en as the firmware version. To update this information ware version, we recommend taking a reading from the ed to the system, before moving on to the configuration ters. n is also displayed on the "Search modules" screen. ain functions depends on the firmware version!			
		0-4- 4					
e	AFTER GROUP COMMAND RECEIVED	Sets the outputs This sett associat amounts	a delay between rec associated with this ting is used to delay ted with the same is of data over the BU	app or a group command and switching of the module group. the execution of commands across the various modules group and therefore prevent the generation of large S.			
ADVANCE		For exar and a d after the	mple, if you order a lelay of 2 seconds h e command is receiv	nodule to deactivate all outputs with a group command as been set, the outputs will be deactivated 2 seconds ed.			
1	MINIMUM INPUT CLOSED TIME	Sets the comman For exam held dow	time for which the ind. <i>mple, if you want the</i> <i>wn for at least 4 sec</i>	nput must remain closed in order to send the button to perform the requested function only when onds, simply set this time to 4s.			

INPUTS

Input 1

Standard parameters

INPUT DESCRIPTION	Enter a description indicating the type of command set for the input. The description is modified in the device list table.
TARGET TYPE	MODULE: use the module function to control one or more module outputs from a digital input. When this option is selected, you must enter the number of the module and output(s) you wish to control.
	GROUP: this function allows you to command multiple outputs on different modules. When this option is selected, you must enter the group number you wish to control.
	This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc. To do this, the outputs must be assigned to the same group on the output settings screen. For example, if you want to control all the lights, one group (for example GROUP 1) must be assigned to all the outputs connected to the lights, and then an input set as GROUP in the TARGET TYPE field, entering GROUP 1.
	SYSTEM MANAGER: the system manager function sends a command directly to the system managers, for example: Icona Manager, Planux Manager, Serial Bridge, Minitouch. This command is used by the system managers to activate internally stored commands, or to use the input status for logic rules or other functions. For example, if you want to use a button to activate a scenario stored in the memory of a Planux Manager or Minitouch system manager, you must set the input in this way. This also applies if you want to use an input status for a logic or link function on the Serial Bridge.

Т

COMMAND TYPE NORMAL: the module sends a command to the target, controlling the output according to the way it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time; if you send a normal command to an output set as bistable, the output inverts its status SET: the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received. RESET: the module sends a "force OFF" command and the output is then deactivated independently of the programming, remaining inactive until a new command is sent. If the RESET command is sent to an output programmed as "Blind" or "Venetian blind", the relay is not activated and the blind to which it is connected will not move. For example, to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive ACTIVATE/DEACTIVATE ANALOGUE OUTPUT: this command allows you to activate/ deactivate an analogue output. For example, a dimmer 20046851 CYCLIC SET/RESET: the CYCLIC SET/RESET function allows you to send alternate

CYCLIC SET/RESET: the CYCLIC SET/RESET function allows you to send alternate SET and RESET commands from the same input. For example, if you configure a button to control 3 outputs of a digital module and you configure the input as cyclic SET/RESET, the first time the button is pressed it will send the SET command to activate the 3 outputs and the next time it will send the RESET command to deactivate the 3 outputs. This function is particularly useful when you have various outputs controlled individually from different points that you wish to bring into alignment control from a single point.

MONOSTABLE SET/RESET: this command can be used to send SET command when the input is closed and a RESET command when the input is opened. For example, you can connect a digital input to a dusk sensor with a free ON/OFF contact so that the lights switch on when the dusk sensor trips and switch off when the sensor is deactivated. With this input, when the dusk sensor contact closes a SET command is sent to activate the outputs, and when the dusk sensor contact opens a RESET command is sent to switch off the lights.

Long press function

This function allows you to send a second command from the same button connected to a digital input when the button is held pressed for a period of time that exceeds the time set for this function.

For example, it is possible to configure the button to control the switching on or off one light in a room with short press or to send a command that switches off all the lights in the room with a long press (group command).

TIME	this parameter can be used to set the length of time that a button must be pressed before the command is recognised as a long press. (MAX 12 secs.)
MODULE	Paragraph "Standard parameters" on page 25
COMMAND TYPE	Paragraph "Standard parameters" on page 25
TARGET TYPE	Paragraph "Standard parameters" on page 25

Advanced parameters

POLARITY	NORMALLY OPEN NORMALLY CLOSED
ENABLE INPUT STATUS TRANSMISSION AT MODULE STARTUP	This option allows you to check the module status and send the corresponding command via BUS at each startup and when the power supply is restored. We recommend enabling the function if the input is configured to lock some functions which otherwise would remain locked if the power supply was not connected when the unlock command was made.
	For example, the input is configured to send a cyclic SET/RESET command to a priority group to lock the irrigation command output. If at the moment of the output unlocking event there is a voltage drop, the command will not be sent. When the module restarts when the power supply is restored, the input might be open but the output will still be locked. With this option enabled, on module startup the input status is sent over the BUS, and therefore, if the input is open, the output will be unlocked.

Analogue input

Standard parameters

INPUT DESCRIPTION	Enter a short description of the module to easily identify it within the project. We recommend entering the installation point and function of that module. Example: Mod5 503 ground floor bathroom input
INPUT TYPE	Select the type of sensor connected to the analogue input 4-20 mA $/$ 0-10V

	FUNCTION		Select the function	to be activated for the analogue input			
			AUTO SEND STATUS	Used to send the value read on the input on the basis of a time interval or a change			
			AUTO SET OUTPUT	This option can be used to select setpoints (8 upward and 8 downward) for the analogue input, for the activation or deactivation of an output when the specified setpoint is exceeded. For example, it can be used to activate an output when a certain brightness level is detected by a twilight sensor. Another option is to activate 8 different outputs when the value recorded by the analogue input increases, and deactivate them when the signal decreases. The value recorded by the analogue input is converted to an 8-bit value, from 0 to 255.			
	SEND US	SEND VALUE INTERVAL	Set a time (in se transmissions are u	conds) for transmission of the input value via bus. These used to update the analogue inputs.			
	AUTO : Stat	SEND VALUE ON Change	Set the input variation value (0-255) for transmission via bus without waiting for the value transmission interval.				
	. OUTPUT	THRESHOLDS	Set the values to b lower thresholds.	et the values to be sent to the modules or groups for each of the 8 upper of wer thresholds.			
	AUTO SET	COMMAND SEND DELAY	Set a time (in second threshold has been	Set a time (in seconds) for transmission of the command via bus after the set threshold has been exceeded.			

OUTPUTS

Analogue output

		Standard parameters		
		Description:	Analogue output	
		Type:	Dimmer	٠
utputs		Min. value:	1 %	٠
AO. Analogue ou	rtput	Main group:	No group	
		Remote output setting	s ::	
		Command type:	Not used	•
		Dimmer		
		Second value	100 %	-
		ON/OFF fade speed	Medium	
		Dimming fade speed:	Custom	٠
		Custom speed (minutes):	1 2 3 4 5 6 7 8 9 10	
		 Advanced parameter 	15	
		Group 2:	No group	
			1.	

DESCRIPTION Enter a short description to easily identify the output.

DIMMER: this function can be used to:

 Select a pre-set brightness level: when you press the button associated with this function, the brightness is automatically set to the value indicated by the programming software Adjust the brightness using two buttons: this function involves the use of two inputs - one is programmed to switch the light off or to reduce its brightness if held pressed, and the other is programmed to switch the light on or to increase its brightness if held pressed. • Control the local dimmer: in the same way as for the digital input on the dimmer, you can also program the input of another module so that a single press switches the light on/off, and holding the button pressed adjusts its brightness. Paragraph "DIMMER function:" on page 27

DIMMER WITH PRESENCE: this function can be used to:

 Set the dimmer using the Presence detection function, which uses a motion sensor connected to the input of a digital module to increase the brightness of the light if the sensor detects the presence of a person in the room, and to reduce the brightness or switch the light off if there is no-one in the room.

Paragraph "DIMMER WITH PRESENCE function:" on page 27

MIRROR ANALOGUE INPUT: the function can be used to set the output to the same value as the selected analogue input. The analogue input can be mirrored on both the local analogue output and the output of another module.

Paragraph "MIRROR ANALOGUE INPUT function:" on page 27

MIRROR ANALOGUE OUTPUT: this function can be used to set the output to the same selected analogue value. The analogue output can be mirrored on both the local analogue output and the output of another module.

Paragraph "MIRROR ANALOGUE OUTPUT function:" on page 27

I INFAR OUTPUT FROM ANALOGUE INPUT: this function can be used to set the output in line with the value of the selected analogue input. This makes it possible to set the behaviour of the output in relation to the input value. It is possible to control both the local analogue output and the output of another module.

Paragraph "LINEAR OUTPUT FROM ANALOGUE INPUT function:" on page 27

PID DIMMER (keeps brightness constant): this function can be used to automatically regulate the output to maintain the selected setpoint value. Paragraph "PID DIMMER function (keeps brightness constant):" on page 28

PID DIMMER WITH PRESENCE (keeps brightness constant): this function can be used to automatically regulate the output to maintain the selected setpoint value if the presence of an external motion sensor is detected. If motion is not detected within the specified time period, the output will reach the set value.

Paragraph "PID DIMMER WITH PRESENCE function (keeps brightness constant):" on page 28

DIMMER function:

RD TERS	MINIMUM VALUE: set the "Min. value" (1-100%) to establish the minimum light intensity at which the controlled lamp should be switched on; at lower values the output will remain off.						
STANDA Paramei	MAIN GROUP: a group can be associated to control the output using group commands. Pressing gives access to the group manager panel from which you can create or delete groups.						
	COMMAND TYP	COMMAND TYPE:					
E .	NOT USED: the	function can only	be used to control the local output for the module.				
note outi Settings	MODULE: this fu of another mode number you wis	unction con be us ule. When this opt sh to control.	ed to control, as well as the local output for the module, the output tion is selected, you must enter the module number and the output				
RE	<u>GROUP</u> : the function the function is set	ction can be used lected, you must (to control, as well as the local output for the module, a group. Wher enter the group you wish to control.				
	SECOND VALUE level. This value	E: set a second va must be greater	lue (1-100%) to control lamp activation at a pre-set light intensity than the minimum value (otherwise the light will remain off).				
DIMMER	ON/OFF FADE SPEED: set the speed (slow/medium/fast) for light intensity level transition when switching from $ON \rightarrow OFF$, $OFF \rightarrow ON$.						
	DIMMING FADE SPEED: set the speed (slow/medium/fast) for light intensity level transition during adjustment.						
	GROUP 2-3-4: up to 4 groups can be associated to control the output using group commands. Pressing gives access to the group manager panel from which you can create or delete groups.						
S	PRIORITY Command	PRIORITY GROUP	a priority group can be associated with the dimmer output in order to lock/unlock the dimmer and set ON/OFF commands to establish dimmer behaviour on receipt of the lock/unlock command. Pressing gives access to the group manager pane				
METE			from which you can create or delete groups.				
ADVANCED PARA		STATUS ON SET Command	the module no longer manages any commands received over the BUS and forces the output to assume the set ON/OFF status (regardless of how the output was programmed using the SimpleHome programming software).				
		STATUS ON RESET COMMAND	the module resumes normal operation and forces the output to assume the set ON/OFF status (regardless of how the output was programmed using the SimpleHome programming software).				
	VIRTUAL OUTPUTS GROUPS	SECOND VALUE Group	a group can be associated to set the second value for the output via "Group command".				
			Pressing gives access to the group manager pane from which you can create or delete groups.				

DIMMER WITH PRESENCE function:

MINIMUM VALUE: set the "Min. value" (1-100%) to establish the minimum light intensity at which the controlled lamp should be switched on; at lower values the output will remain off. The minimum STANDARD ARAMETER value cannot be set to 0. MAIN GROUP: a group can be associated to control the output using group commands.
Pressing _____ gives access to the group manager panel from which you can create or delete groups

COMMAND TYPE:

NOT USED: the function can only be used to control the local output for the module. ŝ

Ξ	<u>NOT USED</u> : the function can only be used to control the local output for the module.	
Remote out Settings	MODULE: this function con be used to control, as well as the local output for the module, the output of another module. When this option is selected, you must enter the module number and the output number you wish to control.	
	<u>GROUP</u> : the function can be used to control, as well as the local output for the module, a group. When this option is selected, you must enter the group you wish to control.	
COURTESY	COURTESY VALUE: enter the value (0-100%) at which the lamp will assume "absence" condition (presence not detected).	
	WAIT TIME: set the duration of the timed light activation interval as desired. If presence is detected, the timed light will come on for the pre-set period.	
DIMMER	ON/OFF FADE SPEED: set the speed (slow/medium/fast) for light intensity level transition when switching from ON -> OFF, OFF -> ON.	
	DIMMING FADE SPEED: set the speed (slow/medium/fast) for light intensity level transition during adjustment.	

GROUP 2-3-4: up to 4 groups can be associated to control the output using group commands. Pressing gives access to the group manager panel from which you can create or delete groups.

ADVANCED PARAMETERS	PRIORITY COMMAND	PRIORITY GROUP	Apriority group can be associated with the dimmer output in order to lock/unlock the dimmer and set ON/OFF commands to establish dimmer behaviour on receipt of the lock/unlock command. Pressing gives access to the group manager panel from which you can create or delete groups.
		STATUS On Set Command	the module no longer manages any commands received over the BUS and forces the output to assume the set ON/ OFF status (regardless of how the output was programmed using the SimpleHome programming software).
		STATUS On Reset Command	the module resumes normal operation and forces the output to assume the set OIV/OFF status (regardless of how the output was programmed using the SimpleHome programming software).
	VIRTUAL OUTPUTS GROUPS Pressing gives access to the group manager panel from which you can create or delete orguns	PRESENCE ENABLE GROUP	A group can be associated with the output to enable/ disable the presence function with a group command. Pressing gives access to the group manager panel from which you can create or delete groups.
		PRESENCE GROUP	A group can be associated with the output to activate the presence function with a group command. Pressing gives access to the group manager panel from which you can create or delete groups.

MIRROR ANALOGUE INPUT function:

MODULE: set the address and number for the analogue input you want to mirror. STANDARD Parameters EBS MINIMUM VALUE: set the minimum value under which the output cannot fall. (Minimum value that can be set 1%).

COMMAND TYPE:

REMOTE

REMOTE OUTPUT Settings

NOT USED: the function can only be used to control the local output for the module

MOTE OUTPUT SETTINGS MODULE: this function con be used to control, as well as the local output for the module, the output of another module. When this option is selected, you must enter the module number and the output number you wish to control.

GROUP: the function can be used to control, as well as the local output for the module, a group. When this option is selected, you must enter the group you wish to control.

MIRROR ANALOGUE OUTPUT function:



COMMAND TYPE:

NOT USED: the function can only be used to control the local output for the module

MODULE: this function con be used to control, as well as the local output for the module, the output of another module. When this option is selected, you must enter the module number and the output number you wish to control.

GROUP: the function can be used to control, as well as the local output for the module, a group. When this option is selected, you must enter the group you wish to control.

LINEAR OUTPUT FROM ANALOGUE INPUT function:



TYPE

MODULE: set the address and number for the analogue input you want to mirror.

COMMAND TYPE:

T

- REMOTE OUTPUT Settings NOT USED: the function can only be used to control the local output for the module. <u>MODULE</u>: this function con be used to control, as well as the local output for the module, the output for the module, the output for the module. of another module. When this option is selected, you must enter the module number and the output number you wish to control.
 - GROUP: the function can be used to control, as well as the local output for the module, a group. When this option is selected, you must enter the group you wish to control.

MINIMUM INPUT-OUTPUT VALUE: minimum value of the input to be associated with the output. You also need to set the value which should be assumed by the output when the minimum input value is reached.

Linear output Settings MAXIMUM INPUT-OUTPUT VALUE: maximum value of the input to be associated with the output. You also need to set the value which should be assumed by the output when the maximum input value is reached.

The chart shows the behaviour of the output in relation to the input values.

PID DIMMER function (keeps brightness constant):

ARD TERS	MUDULE: set the address and number of the analogue input to which the reference sensor for automatic output control is connected.				
STAND/ PARAME	MAIN GROUP: a group can be associated to control the output using group commands. Pressing gives access to the group manager panel from which you can create or delete groups.				
	COMMAND TYPE:				
5	$\underline{\text{NOT USED:}}$ the function can only be used to control the local output for the module.				
MOTE OUTF Settings	MODULE: this function con be used to control, as well as the local output for the module, the output of another module. When this option is selected, you must enter the module number and the output number you wish to control.				
R	<u>GROUP</u> : the function can this option is selected, yo	<u>GROUP</u> : the function can be used to control, as well as the local output for the module, a group. When this option is selected, you must enter the group you wish to control.			
s	SETPOINT VALUE: set th corrected until the selected	e value that shou ed setpoint value	Id be used for automatic output regulation. The output is is reached.		
SETTING	MINIMUM VALUE: set the minimum output regulation value. During regulation, the output will never drop below this value.				
BI	DEFAULT VALUE: set the value that should be assumed by the output at the start of regulation.				
	PID MODE: set the value corresponding to the regulation speed.				
	GROUP 2-3-4: up to 4 gr	oups can be asso	ciated to control the output using group commands.		
	Pressing gives access to the group manager panel from which you can create or delete groups.				
ARAMETERS	PRIORITY COMMAND	PRIORITY GROUP	a priority group can be associated with the dimmer output in order to lock/unlock the dimmer and set ON/OFF commands to establish dimmer behaviour on receipt of the lock/unlock command. Pressing gives access to the group manager panel from which you can create or delete groups.		
ADVANCED		STATUS On Set Command	the module no longer manages any commands received over the BUS and forces the output to assume the set ON/OFF status (regardless of how the output was programmed using the SimpleHome programming software).		
		STATUS ON RESET COMMAND	the module resumes normal operation and forces the output to assume the set ON/OFF status (regardless of how the output was programmed using the SimpleHome		

PID DIMMER WITH PRESENCE function (keeps brightness constant):

programming software).

STANDARD Parameters	MODULE: set the address and number of the analogue input to which the reference sensor for automatic output control is connected.
	MAIN GROUP: a group can be associated to control the output using group commands.
	Pressing gives access to the group manager panel from which you can create or delete groups.
	COMMAND TYPE:
Þ	NOT USED: the function can only be used to control the local output for the module.
REMOTE OUTP Settings	<u>MODULE</u> ; this function con be used to control, as well as the local output for the module, the output of another module. When this option is selected, you must enter the module number and the output number you wish to control.
	<u>GROUP</u> : the function can be used to control, as well as the local output for the module, a group. When this option is selected, you must enter the group you wish to control.
TESY	$\label{eq:country} \mbox{COURTESY VALUE: enter the value (0-100\%) at which the lamp will assume "absence" condition (presence not detected). }$
COUR	WAIT TIME: set the duration of the timed light activation interval as desired. If presence is detected, the timed light will come on for the pre-set period.

SETPOINT VALUE: set the value that should be used for automatic output regulation. The output is corrected until the selected setpoint value is reached.

MINIMUM VALUE: set the minimum output regulation value. During regulation, the output will never drop below this value.

DEFAULT VALUE: set the value that should be assumed by the output at the start of regulation.

PID MODE: set the value corresponding to the regulation speed.

PID SETTINGS

DADAMETED

GROUP 2-3-4: up to 4 groups can be associated to control the output using group commands. Pressing gives access to the group manager panel from which you can create or delete groups.

	PRIORITY COMMAND	PRIORITY GROUP	A priority group can be associated with the dimmer output in order to lock/unlock the dimmer and set ON/OFF commands to establish dimmer behaviour on receipt of the lock/unlock command. Pressing gives access to the group manager panel from which you can create or delete groups.
		STATUS On Set Command	the module no longer manages any commands received over the BUS and forces the output to assume the set ON/OFF status (regardless of how the output was programmed using the SimpleHome programming software).
		STATUS ON RESET COMMAND	the module resumes normal operation and forces the output to assume the set ON/OFF status (regardless of how the output was programmed using the SimpleHome programming software).
	VIRTUAL OUTPUTS GROUPS Pressing gives access to the group manager panel from which you can create or delete groups.	PRESENCE ENABLE GROUP	A group can be associated with the output to enable/ disable the presence function with a group command. Pressing gives access to the group manager panel from which you can create or delete groups.
		PRESENCE GROUP	A group can be associated with the output to activate the presence function with a group command. Pressing gives access to the group manager panel from which you can create or delete groups.

STANDARD Parameters

Т

FLUSH-MOUNTING LCD THERMOSTAT -ART. 20046709

MODULE INFORMATION

T.

Module informat	ion
Address:	46
Description:	20046709 (Termostato) 46
Туре;	20046709 (Thermostat)
Firmware version:	1.6
ADDRESS	Progressive number assigned to the module by SimpleProg the moment it is added to the devices list. To change the module address number, proceed as in paragraph "Program module address" on page 5
DESCRIPTION	enter a short description of the module to easily identify it within the project. example: Ground floor bathroom thermostat
TYPE	Indicates the model of the module being programmed
FIRMWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. The availability of certain functions depends on the firmware version!

Advanced

^ Advanced

✓ Message retransmission

MESSAGE RETRANSMISSION	this function can be used to resend the command in the event that the module under control does not respond. under normal conditions a single transmission is enough to control the output; if however the command is not received, the module will make a new attempt, up to a maximum of 3. we recommend that this function is always enabled to ensure greater security for the commands sent.

PARAMETERS

General

General	Winter mode	Summer mode	Advanced	
Send temp	perature interval:	30	10 s	
Temperature hysteresis:		0,	1 ℃	
Temperature offset:		0.	0 °C	

SEND TEMPERATURE	set the time, in seconds, for transmission of the temperature reading via bus. sending these temperature readings serves to update the system managers.
TEMPERATURE HYSTERESIS	set the thermostat output activation interval, in tenths of a degree. For example, if this is set to 4 tenths of a degree (default value) and the thermostat is set to 20°C in winter day mode, it will activate the relay until the temperature of 20°C is reached. After switching off, it will be reactivated when the temperature dops below 19.6°C (20°C - 0.4°C). In summer mode, operation is reversed and therefore if a setpoint of 20°C is selected, the thermostat will activate cooling mode until the temperature drops to 20°C. After switching off, it will be reactivated when the temperature drops to 20°C. After switching off, it will be reactivated when the temperature drops to 20°C.
TEMPERATURE OFFSET	If the temperature reading taken in the room by another instrument is slightly different to that displayed by the thermostat due to the installation position of the latter, a correction coefficient, measured in tenths of a degree (this can also be negative), can be applied and added to the actual temperature reading. This is set by default to 0.

Winter mode, summer mode

day - Night - Empty Threshold	select the setpoint and the zone to which the various operating modes will be applied
day / Night / Off group	a zone number can be assigned to one of the 3 day, night or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all thermostats or Minitouch units in the system.

ADDRESS	enter the corresponding address used for activation of the temperature control system in the selected mode enter the corresponding output used for activation of the temperature control
OUTPUT	enter the corresponding output used for activation of the temperature control
	system in the selected mode
FAN COIL SPEED CONTROL	DIGITAL: set this option if you want to control a multi-speed convector heater which is connected to a module over the BUS. In this case the first 4 module outputs on the installed module will be reserved for this function. Set the number of the module you wish to use and specify which of the 3 speeds will be used. For example, if you select "Remote valve" and set the module number to 2, output 1 on module 2 will be used to enable and activate the temperature control machine, while outputs 2, 3 and 4 on module 2 will be used to control the 3 speed levels. Output 2 for speed level 1, output 3 for speed level 2 and output 4 for speed level 3.
F. C	an Coil Speed Ontrol

WINTER-SUMMER SIGNALLING MODULE	this option can be used to configure an output to obtain an indication of summer mode.
DAY / NIGHT / OFF GROUP	a zone number can be assigned to one of the 3 day, night or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all thermostats or Minitouch units in the system. Pressing gives access to the group manager panel from which you can create or delete groups.
TEMPERATURE CHANGE FROM SPEED 1 TO 2 and from 1 TO 3	these values indicate the temperature difference, in relation to the setpoint, required for activation of speed 2 or speed 3 in fan coil mode $% \left(\frac{1}{2}\right) =0$

LOAD AND CONSUMPTION MANAGE-MENT DIN (TA) - ART. 20046821

MODULE INFORMATION

T

Module information		Module informat	ion
Parameters	*	Address:	30
Parameters		Description:	Consumo 30
		Type:	20046821 (TA)
		Firmware version:	1.2
ADDRESS	Prog to the	ressive number assig e devices list. To cha	gned to the module by SimpleProg the moment it is added inge the module address number, proceed as in paragraph s ¹⁰ on page 2

DESCRIPTION	enter a short description of the module to easily identify it within the project. example: Mod5 503 ground floor bathroom input
TYPE	Indicates the model of the module being programmed
FIRMWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. The availability of certain functions depends on the firmware version!

Advanced parameters

MESSAGE RETRANSMISSION	this function can be used to resend the command in the event that the module under control does not respond. under normal conditions a single transmission is enough to control the output; if however the command is not received, the module will make a new attempt, up to a maximum of 3. we recommend that this function is always enabled to ensure greater security for the commands sent.
MIN. POWER CHANGE For Sending Automatic Value	select the desired value (in W) for threshold
AUTOMATIC VALUE SEND INTERVAL	select the desired time interval between each message sent.
IMMEDIATE POWER THRESHOLD	absorption setpoint (in W) for immediate cut-off.
TIMED POWER THRESHOLD	absorption setpoint (in W) for timed cut-off.
HYSTERESIS	set the desired value (in W)
TOLERANCE	tolerance of power in excess of setpoint
INTERVAL BETWEEN CONNECTIONS	select the time period that must elapse with power available before reconnecting a load (default=5 sec.)
INTERVAL BETWEEN DISCONNECTIONS	select the time period that must elapse before DISCONNECTING a load due to the power threshold being exceeded (default = 5 sec.)
SIGNALLING MODULE ADDRESS	set the desired signalling module address
SIGNALLING MODULE	set the desired signalling module output

PARAMETERS

oad disconnection manager	
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DISCONNECTION ORDER	indicates the order in which the various loads will be disconnected on reaching the power setpoint $% \left({{{\mathbf{x}}_{i}}} \right)$
DESCRIPTION	enter a general description of the load. The description is shown in the "Loads" menu on the system manager.
MODULE ADDRESS	enter the address of the module connected to the load
MODULE OUTPUT	enter the output of the module connected to the load
	[for future use] this function can be used to select via a graphic interface the module and the output connected to the load
POWER	enter the anticipated consumption for the entered load. This value is only used during reconnection, to prevent continuous connection and disconnection of loads. We recommend entering the average consumption and not the maximum power value. The value should never be greater than the value set for the disconnection setpoints minus the tolerance and delta values.
MINIMUM DISCONNECTION TIME	time period that must elapse after the load has been DISCONNECTED due to the power threshold being exceeded, before an attempt to reconnect it is made (default = 1 min.)
INVERT OUTPUT	N/C - N/O

Show power consumption

UNIT this value cannot be selected FUNCTION select either CONSUMPTION or PRODUCTION as the function COST PER kWh enter the cost per kWh according to the type of load CURRENCY enter the reference currency CO2 CONSTANT [kg/kWh] in the case of electricity production systems, it is possible to set the CO2 constant saved by the system producing the energy. If there are several inputs set as production (for example, in a three-phase photovoltaic system), they must all be set with the same value. The value can subsequently by modified through the system manager menu. The CO2 graphic is automatically displayed by the system manager when a chart representing energy production is present.

4. ENTRANCE PANELS

ONE

MODULE INFORMATION

T

Module informati	on
Address:	48
Description:	ONE (One) 48
Type:	ONE (One)
Firmware version:	2.5

ADDRESS		Progressive number assigned to the module by SimpleProg the moment it is added to the devices list. To assign an address to the module, use the DIP-switches.		
DESCRIPTION		enter a short description of the module to easily identify it within the project. example: <i>Mod5 503 ground floor bathroom input</i>		
TYPE		Indicates the model of the module being programmed		
FIRMWARE VERSION		Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. A The availability of certain functions depends on the firmware version!		
	DELAY BETWEEN SCENARIO STEPS	this parameter can be used to set a delay time for the execution of the 8 commands relating to the scenario input. This time only adjusts the time it takes to execute the commands carried out by the scenario input. For example: command 1 = blind; command 2 = light off; delay = 3000ms (3 sec.) On pressing the button, the blind is lowered immediately and 3 seconds later the light is switched off.		
ADVANCED	MESSAGE RETRANSMISSION	this function can be used to resend the command in the event that the module under control does not respond. under normal conditions a single transmission is enough to control the output; if however the command is not received, the module will make a new attempt, up to a maximum of 3. we recommend that this function is always enabled to ensure greater security for the commands sent.		
	GROUP COMMAND RETRANSMISSION	this tick enables retransmission of a group command. Retransmission sends the group command 3 times. The group command has no status response, as it is not possible to indicate the status of several outputs. We recommend that this tick is always enabled if group commands are used across the system.		

CONFIGURATION

Graphic setting	S
COLOURS	this menu can be used to set all module buttons to the same colour in a single action. This function takes priority over the settings performed manually on each individual LED. Select the colours of the LEDs for IDLE and ACTIVATED statuses.
FEEDBACK	ENABLE SOUND FEEDBACK is used to activate sound feedback, choosing between STATUS (tone emitted on change of status) and PRESS (tone emitted when pressed).
BRIGHTNESS	AUTO: when this function is activated, the brightness of the keys will be adjusted automatically according to the ambient light conditions detected by the on-board sensor. FIXED: select the brightness, choosing between LOW / MEDIUM / HIGH
STANDBY	if the Standby function is activated, the ONE control device will switch off key lighting after 5 seconds of inactivity, in order to save energy.

Background colour	White	▼ Status colour:	White	*
Feedback —				
Enable sound f	eedback			
Feedhack event:	Status			
Brightness				
Fixed:	Low			
Standby				



The ONE control device has 3 screens that can be programmed with 3 different functions:

- AUTOMATION MANAGEMENT
- SCENARIO MANAGEMENT (max. 1 screen per device)
- THERMOSTAT MANAGEMENT (max. 1 screen per device)

• AUTOMATION MANAGEMENT

Page properties

- Select AUTOMATED DEVICE
 Select the desired NUMBER of BUTTONS (1 -2 -3 arrows) for each SECTOR by clicking on the grey area (at each click the type of button will change for that sector)
 if necessary, change the PAGE INDEX BACKGROUND COLOUR and the PAGE INDEX STATUS COLOUR from the drop-down menu.

Page 2

- rage propercies	-	Pa	ge	prop	erties	_
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rage type;		 Automation 	Scenarios	O Thermostat
				0 0 0
Page view:		1A «Corrett		
Help:	round colour	To change num To configure o	nber of buttons dick inside grey ne button dick on button image	r areas.
Help: Page index backgr	round colour	To change num To configure o	nber of buttons dick inside grey ne button dick on button image Page index status colou	areas. w White
Help: Page index backg Button propert Xescription:	round colour ics	To change num To configure o	nber of buttons click inside grey ne button click on button image • Page index status colou	r areas. r White
leip: Page index backg Button propert Description: Lackground colour Lutton function:	round colour ics	To change num To configure or White Button Bottom Sector 1	nber of buttons dick inside grey ne button dick on button image v Page index status colou L t state colour	rareac. r White
Help: Page index backg Button propert Description: Lackground colour Lackground colour Target type:	round colour ics Module	To change num To configure of White Button Bottom Sector 1 White	nber of buttons dick inside grey ne button dick on button image Page index status colou State colour	r areas. r White
Help: Page index backg Button propert Description: Lackground colour lutton function: Target type: Command type:	round colour ics Module Normal	To change num To configure of White Button Bottom Sector 1	nber of buttons dick inside grey ne button dick on button image Page index status colou Page index status colou State colour	r areas.
Help: Page index backg Button propert Description: Lackground colour Lutton function: Target type: Command type: Module pro	Module Normal	To change num To configure of White Button Bottom Sector 3	nber of buttons dick inside grey ne button dick on button image Page index status colou Page index status colou State colour	areas.

Select the SINGLE BUTTON you wish to configure. [1A - 1B - 1C]
 Enter the parameters in the "Button properties" window to configure the button function.

Button propertie	\$
NAME	Name of selected button - NON-MODIFIABLE - software-managed
DESCRIPTION	Field used to enter a short description of the function or the module managed by the button/arrow
BACKGROUND COLOUR	Select a colour to identify the outputs inactive status for the controlled module
STATUS COLOUR	Select a colour to identify the outputs active status for the controlled module
BACKGROUND COLOUR STATUS COLOUR	Select a colour to identify the outputs inactive status for the controlled module Select a colour to identify the outputs active status for the controlled module

ART. ONE

	MODULE	the module function is used to control one or more outputs of a module. When this option is selected, you must enter the number of the module and output(s) you wish to control.
	GROUP	the function enables control of several outputs on different modules. This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc To do this, the outputs must be assigned to the same group on the output settings screen. For example, if you want to control all the lights, one group (for example GROUP 5) must be assigned to all the outputs connected to the lights, and then an input set as "GROUP" in the message addressee field, entering the number GROUP 5.
TARGET TYPE	SYSTEM MANAGER	the system manager function sends a command directly to the system managers, for example Planux Manager, Serial Bridge, Minitouch. This command is used by the system managers to activate internally stored commands, or to use the input status for logic rules or other functions. You must set the number of the system manager input to send. For example, if you want to use a button to activate a scenario stored in the memory of a Planux Manager or Minitouch system manager, you must set the input in this way. This also applies if you want to use an input status for a logic or link function on the serial bridge.
	DIMMER	this function is used to control a dimmer module. Press the button once to activate / deactivate the light connected to the module. Press and hold the button for 1 second; the intensity wheel used to adjust the light intensity will appear. When this option is selected, you must enter the number of the module and output(s) you wish to control.
	RGB	this function is used to control an RGB light managed by a DALI-DMX module 20004600. Press the button once to activate / deactivate the light connected to the module output. Press and hold the button for 10 seconds; the colour wheel used to adjust the colour of the RGB lights will appear. Press the arrows to adjust the light intensity. When this option is selected, you must enter the number of the module and output(s) you wish to control.
	NORMAL	the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time; if you send a normal command to an output set as bistable, the output inverts its status.
IYPE	SET	the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" or "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received.
COMIMAND	RESET	the module sends a "force OFF" command and the output is then deactivated regardless of the programming, remaining inactive until a new command is sent. If the RESET command is sent to an output programmed as "Blind", the relay is not activated and the blind to which it is connected will not move. For example, to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive.
	ACTIVATE ANALOGUE OUTPUT	the module sends the activation command to the set analogue output, bringing the output to the last value set temporarily. This is used, for example, to switch on dimmable lights connected to modules Art. 20046810 or Art. 20046851.
	DEACTIVATE ANALOGUE OUTPUT	the module sends the off command to the set analogue output. This is used, for example, to switch off dimmable lights connected to modules Art. 20046810 or Art. 20046851.

• SCENARIO MANAGEMENT

The scenario input can be used to send 16 different commands over the BUS. For example, it is useful if you want to switch off all the lights in the home, lower all the blinds, deactivate the controlled sockets, etc... In this case, several commands are required and sent over the BUS; the scenario input can be used for this purpose. When the button connected to the scenario input is pressed, the 16 commands are carried out consecutively; the time between one command and the next can be set (0.5 seconds by default).

- 1. 2.
- Select SCENARIOS Select one of the 4 scenarios available.
- if necessary, change the PAGE INDEX BACKGROUND COLOUR and the PAGE INDEX STATUS COLOUR from the drop-down menu. з.

Page 1



Button function - scenario summary

Summary of the 16 different configurable commands.

Select the corresponding line to edit the command.

Button function - scenario step

STE	P NAME	non-modifiable
DES	CRIPTION	field in which you can enter a brief description of the step
	MODULE	the module function is used to control one or more outputs of a module. When this option is selected, you must enter the number of the module and output(s) you wish to control.
ТҮРЕ	GROUP	the function enables control of several outputs on different modules. This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc To do this, the outputs must be assigned to the same group on the output settings screen. For example, if you want to control all the lights, one group (for example GROUP 5) must be assigned to all the outputs connected to the lights, and then an input set as "GROUP" in the message addressee field, entering the number GROUP 5.
TARGET	SYSTEM MANAGER	the system manager function sends a command directly to the system managers, for example Planux Manager, Serial Bridge, Minitouch. This command is used by the system managers to activate internally stored commands, or to use the input status for logic rules or other functions. You must set the number of the system manager input to send. 8 objects corresponding to simulated inputs are available, one for each scenario that can be activated; this allows association with the Buttons function. For example, if you want to use a button to activate a scenario stored in the memory of a Planux Manager or Minitouch system manager, you must set the input in this way. This also applies if you want to use an input status for a logic or link function on the serial bridge.
	Normal	the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time; if you send a normal command to an output set as bistable, the output inverts its status.
	SET	the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" or "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received.
COMMAND TYPE	RESET	the module sends a "force OFF" command and the output is then deactivated regardless of the programming, remaining inactive until a new command is sent. If the RESET command is sent to an output programmed as "Blind" or "Venetian blind", the relay is not activated and the blind to which it is connected will not move. For example, to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive.
	ACTIVATE ANALOGUE OUTPUT	the module sends the activation command to the set analogue output, bringing the output to the last value set temporarily. This is used, for example, to switch on dimmable lights connected to modules Art. 20046810 or Art. 20046851.
	DEACTIVATE ANALOGUE OUTPUT	the module sends the off command to the set analogue output. This is used, for example, to switch off dimmable lights connected to modules Art. 20046810 or Art. 20046851.
	SET ANALOGUE VALUE	can be used to bring the brightness or analogue output to the set value which appears alongside it $% \left({{{\boldsymbol{x}}_{i}}} \right)$
	SET RGB COLOUR	this command is used to set the desired colour of an RGB light, using the field which appears alongside it

• CLIMATE MANAGEMENT

The thermostat management screen can be used to control the temperature sensor on board

1. Select THERMOSTAT

T

- 2. Select the centre button
- if necessary, change the PAGE INDEX BACKGROUND COLOUR and the PAGE INDEX STATUS COLOUR from the drop-down menu.



Button properties





<u>General</u>

EXTERNAL TEMPERATURE PROBE	select this field to use an external probe, indicating the MODULE and INPUT of the probe.
SEND TEMPERATURE	Indicates the time interval in seconds between each transmission of the temperature reading over the bus. Sending these temperature readings serves to update the system managers.
TEMPERATURE HYSTERESIS	indicates the thermostat output activation interval, in tenths of a degree. For example, if this is set to 4 tenths of a degree (default value) and the thermostat is set to 20°C in winter day mode, it will activate the relay until the temperature of 20°C is reached. After switching off, it will be reactivated when the temperature drops below 19.6°C (20°C - 0.4°C). In summer mode, operation is reversed and therefore if a setpoint of 20°C is selected, the thermostat will activate cooling mode until the temperature drops to 20°C. After switching off, it will be reactivated when the temperature drops to 20°C.
TEMPERATURE OFFSET	if the temperature reading taken in the room by another instrument is slightly different to that displayed by the thermostat due to the installation position of the latter, a correction coefficient, measured in tenths of a degree (this can also be negative), can be applied and added to the actual temperature reading. This is set by default to 0.
TEMPERATURE CHANGE FROM SPEED 1 TO 2 and from 1 TO 3	these values indicate the temperature difference, in relation to the setpoint, required for activation of speed 2 or speed 3 in fan coil mode

Winter mode / Summer mode

ADDRESS	enter the module used for activation of the heating or cooling system in the selected mode
OUTPUT	enter the output used for activation of the heating or cooling system in the selected mode
FAN COIL SPEED CONTROL	DIGITAL: set this option if you want to control a multi-speed convector heater which is connected to a module over the BUS. It is possible to reserve outputs 1 to 4 or 5 to 8. For example, if you select "Remote valve" and set the module number to 2, output 1 on module 2 will be used to enable and activate the temperature control machine, while outputs 2, 3 and 4 on module 2 will be used to control the 3 speed levels. Output 2 for speed level 1, output 3 for speed level 2 and output 4 for speed level 3.

WINTER-SUMMER SIGNALLING MODULE	This option can be used to configure an output to obtain an indication of summer mode.
DAY / NIGHT / OFF Group	a zone number can be assigned to one of the 3 day, night or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all thermostats or Minitouch units in the system. Pressing $\boxed{\qquad}$ gives access to the group manager panel from which you can create or delete groups.
TEMPERATURE CHANGE FROM SPEED 1 TO 2 and from 1 TO 3	these values indicate the temperature difference, in relation to the setpoint, required for activation of speed 2 or speed 3 in fan coil mode

CONFIGURATION INFOGRAPHIC



EXAMPLE SCREEN CONFIGURATIONS

	••• =	*** =
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		3 4
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33 I

ONE EASY - ONE/E

MODULE INFORMATION

T

	Module information		Module information			
Contiguration ^		Address:	47			
	Graphic settings		Description:	ONE/E (One easy) 47		
	Page 1		Type:	ONE/E (One easy)		
			Firmware version:	3.1.0		
ADE	DRESS	Progressive to the devic To ass enter a sho	e number assigned to th es list. sign an address to the m rt description of the more	e module by SimpleProg the moment it is added odule, use the DIP-switches.		
ТҮР	E	example: M	od5 503 ground floor bathroom input			
FIRI	WWARE VERSION	Module firm If a reading This value with the cu module as of the prog The module The av	ware version. g has never been taker should not be taken as rrent module firmware v soon as it is added to th ramming parameters. e firmware version is als vailability of certain func	In from the module, this value is shown as "" the firmware version. To update this information ersion, we recommend taking a reading from the system, before moving on to the configuration o displayed on the "Search modules" screen. tions depends on the firmware version!		
VANCED	MESSAGE RETRANSMISSION	this functio control doe under norm however th a maximum we recomm the comma	n can be used to resend the command in the event that the module under is not respond. nal conditions a single transmission is enough to control the output; le command is not received, the module will make a new attempt, up in n of 3. nend that this function is always enabled to ensure greater security funds sent.			
ADI	group Command Retransmission	this tick er group com The group status of se commands	nables retransmission of a group command. Retransmission sends t mand 3 times. command has no status response, as it is not possible to indicate t everal outputs. We recommend that this tick is always enabled if gro a requed access the system.			

CONFIGURATION

Graphic settings

Background colour:	: 🛄 White	★ Status colour:	White	*
Feedback —				
Enable sound f	eedback			
Feedback event:	Status			*
Brightness				
Auto				
Fixed:	Low			
Standby				
Enable standby	/			

ULUURS	this menu can be used to set all module buttons to the same colour in a single action. This function takes priority over the settings performed manually on each individual LED. Select the colours of the LEDs for IDLE and ACTIVATED statuses.
EEDBACK	ENABLE SOUND FEEDBACK is used to activate sound feedback, choosing between STATUS (tone emitted on change of status) and PRESS (tone emitted when pressed).
RIGHTNESS	AUTO: when this function is activated, the brightness of the keys will be adjusted automatically according to the ambient light conditions detected by the on-board sensor. FIXED: select the brightness, choosing between LOW / MEDIUM / HIGH
TANDBY	if the Standby function is activated, the ONE control device will switch off key lighting after 5 seconds of inactivity, in order to save energy.



The ONE EASY control device has 1 page available that can be programmed for the function: • AUTOMATION MANAGEMENT

• AUTOMATION MANAGEMENT

Page properties

1. Select the desired number of buttons: sectors 1, 2 and 3 can be configured with 1 button each; sector 2 can also be configured with arrow keys

Page 1 0 Page view: ٨ ∇ 1 SECTOR 2 SECTOR : To change number of buttons dick inside grey areas. To configure one button dick on button image. Help: Button properties -Arrow Down Sector 2 Description: White White Background colour * Status colour Button function:

- Select the SINGLE BUTTON you wish to configure. [1A 1B 1C]
 Enter the parameters in the "Button properties" window to configure the button function.

*

Pana propertie					
/ Page property	c3				
	1				
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		1A	\bigtriangleup	10	
Page view:		0		0	
	ļ	<pre>«Comelf</pre>			
Help:	To char To cont	ige number of buttons d figure one button dick or	lick inside grey areas button image.		
	-				
Button properties	6				
Description:	Arrow Down S	ector 2			
Background colour	White	✓ Stat	us colour	White	2
Button function:					

Target type: Not used

Button properties - 41

NAN	ΛE	name of selected button - NON-MODIFIABLE - software-managed
DES	CRIPTION	field used to enter a short description of the function or the module managed by the $\ensuremath{button}\xspace/arrow$
BAC COL	:Kground .our	colour of the button when idle - select the desired colour
STA	TUS COLOUR	colour of the button when activated - select the desired colour
	MODULE	the module function is used to control one or more outputs of a module. When this option is selected, you must enter the number of the module and output(s) you wish to control.
GET TYPE	GROUP	the function enables control of several outputs on different modules. This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc To do this, the outputs must be assigned to the same group on the output settings screen. For example, if you want to control all the lights, one group (for example GROUP 5) must be assigned to all the outputs connected to the lights, and then an input set as "GROUP" in the message addressee field, entering the number GROUP 5.
TAR	SYSTEM MANAGER	the system manager function sends a command directly to the system managers, for example Planux Manager, Serial Bridge, Minitouch. This command is used by the system managers to activate internally stored commands, or to use the input status for logic rules or other functions. You must set the number of the system manager input to send. For example, if you want to use a button to activate a scenario stored in the memory of a Planux Manager or Minitouch system manager, you must set the input in this way. This also applies if you want to use an input status for a logic or link function on the serial bridge.

	NORMAL	the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time; if you send a normal command to an output set as bistable, the output inverts its status.
TYPE	SET	the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" or "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received.
COMMAND .	RESET	the module sends a "force OFF" command and the output is then deactivated regardless of the programming, remaining inactive until a new command is sent. If the RESET command is sent to an output programmed as "Blind" or "Venetian blind", the relay is not activated and the blind to which it is connected will not move. For example, to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive.
	ACTIVATE ANALOGUE OUTPUT	the module sends the activation command to the set analogue output, bringing the output to the last value set temporarily. This is used, for example, to switch on dimmable lights connected to modules Art. 20046810 or Art. 20046851.
	DEACTIVATE ANALOGUE OUTPUT	the module sends the off command to the set analogue output. This is used, for example, to switch off dimmable lights connected to modules Art. 20046810 or Art. 20046851.

ONE/H

MODULE INFORMATION

Module information	Module information	1	
Configuration *	Address:	i.	
Graphic settings	Description:	One with Humidity 1	
Page 1 Page 2	Type:	DNE/H (One with Humidity)	
Page 3	Firmware version:		
Clima parameters			
Thermostat parameters Humidistat parameters Dew point parameters			
		50 ms	
		100 ms	
		150 ms	
		200 ms	
		250 ms	
		300 ms	
		350 ms	
		400 ms	
		450 ms	
		500 ms	
	^ Advanced	\$50 ms	
	Aug = 1, 2010	600 ms	
	Delay between scenar	io steps: 450 ms	

ADL	JRESS	Progressive number assigned to the module by SimpleProg the moment it is added to the devices list. To assign an address to the module, use the DIP-switches.
DES	CRIPTION	enter a short description of the module to easily identify it within the project. example: Mod5 503 ground floor bathroom input
TYP	E	Indicates the model of the module being programmed
FIRM	WWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. The availability of certain functions depends on the firmware version!
		1
ADVANCED	DELAY BETWEEN Scenario Steps	this parameter can be used to set a delay time for the execution of the 8 commands relating to the scenario input. This time only adjusts the time it takes to execute the commands carried out by the scenario input. For example: command $1 = blind$; command $2 = light off$, delay = 3000ms (3 sec.) On pressing the button, the blind is lowered immediately and 3 seconds later the light is switched off.

CONFIGURATION

Information	*	Graphic settings		
Module information	~	Colours		
Graphic settings		Background colour:	 Status colour: 	
Page 1 Page 2		Feedback		
Page 3 Clima parameters	^	Enable sound feedback	Status	-
Thermostat parameter Humidistat parameter:	rs s	Brightness		
Dew point parameters	R.	Auto		
		Fixed:	Medium	-
		Standby		
		Enable standby		
		Idle time before Standby activation:	10 s	

COLOURS	select a colour for the background LEDs and a colour for the status LEDs. Caution! This function overwrites previous settings made manually for each individual LED.
FEEDBACK	ENABLE SOUND FEEDBACK is used to activate sound feedback, choosing between STATUS (tone emitted on change of status) and PRESS (tone emitted when pressed).
BRIGHTNESS	AUTO: when this function is activated, the brightness of the keys will be adjusted automatically according to the ambient light conditions detected by the on-board sensor. FIXED: select the brightness, choosing between LOW / MEDIUM / HIGH
STANDBY	when the function is enabled, the ONE/H entrance panel will switch off the LEDs after the time period selected in the drop-down menu "Idle time before Standby activation".
RETURN TO PAGE 1	when the function is enabled, the ONE/H entrance panel will return to Page 1 after the time period selected in the drop-down menu "Idle time before return to Page 1".

The ONE/H control device has 3 screens that can be programmed with 3 different functions: AUTOMATION MANAGEMENT • SCENARIO MANAGEMENT (max. 1 screen per device)

- THERMOSTAT MANAGEMENT (max. 1 screen per device)
- AUTOMATION MANAGEMENT
- Page properties
- Select AUTOMATED DEVICE 1.
- Select the desired NUMBER of BUTTONS (1 -2 -3 arrows) for each SECTOR by clicking on the grey area (at each click the type of button will change for that sector) 2. if necessary, change the PAGE INDEX BACKGROUND COLOUR and the PAGE INDEX STATUS COLOUR from the drop-down menu. з.



Select the SINGLE BUTTON you wish to configure. [1A - 1B - 1C] Enter the parameters in the "Button properties" window to configure the button



	MODULE	the module function is used to control one or more outputs of a module. When this option is selected, you must set the command type, enter the number of the module and output(s) you wish to control.
	GROUP	the function enables control of several outputs on different modules. This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc. To do this, the outputs must be assigned to the same group on the output settings screen. When this option is selected, you must set the command type and enter the group you wish to control. For example, if you want to control all the lights, one group (for example GROUP 5) must be assigned to all the outputs connected to the lights, and then an input set as "GROUP" in the message addressee field, entering the number GROUP 5.
TARGET TYPE	SYSTEM MANAGER	the system manager function sends a command directly to the system managers, for example Maxi Manager, Serial Bridge, Icona Manager. This command is used by the system managers to activate internally stored commands, or to use the input status for logic rules or other functions. You must set the number of the system manager input to send. For example, if you want to use a button to activate a scenario stored in the memory of a Maxi Manager or Icona Manager system manager, you must set the input in this way. This also applies if you want to use an input status for a logic or link function on the Serial Bridge.
	DIMMER	this function is used to control a dimmer module. Press the button once to activate / deactivate the light connected to the module. Press and hold the button for 1 second; the intensity wheel used to adjust the light intensity will appear. When this option is selected, you must enter the number of the module and output(s) you wish to control.
	RGB	this function is used to control an RGB light managed by a DALI-DMX module 20004600. Press the button once to activate / deactivate the light connected to the module output. Press and hold the button for 10 seconds; the colour wheel used to adjust the colour of the RGB lights will appear. Press the arrows to adjust the light intensity. When this option is selected, you must enter the number of the module and output(s) you wish to control.
	NORMAL	the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time; if you send a normal command to an output set as bistable, the output inverts its status.
	SET	the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Bind" or "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received.
COMMAND TYPE	CYCLIC SET/ RESET	the cyclic SET/RESET function allows you to send alternate SET and RESET commands from the same button. For example, if you configure a button to control 3 outputs of a digital module and you configure the input as cyclic SET/RESET, the first time the button is pressed it will send the SET command to activate the 3 outputs and the next time it will send the RESET command to deactivate the 3 outputs. This function is particularly useful when you have various outputs controlled individually from different points that you wish to bring into alignment control from a single point.
	RESET	the module sends a "force OFF" command and the output is then deactivated regardless of the programming, remaining inactive until a new command is sent. If the RESET command is sent to an output programmed as "Bind", the relay is not activated and the blind to which it is connected will not move. For example, to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive.
	ACTIVATE ANALOGUE OUTPUT	the module sends the activation command to the set analogue output, bringing the output to the last value set temporarily. This is used, for example, to switch on dimmable lights connected to modules Art. 20046810 or Art. 20046851.
	DEACTIVATE ANALOGUE OUTPUT	the module sends the off command to the set analogue output. This is used, for example, to switch off dimmable lights connected to modules Art. 20046810 or Art. 20046851.

SCENARIO MANAGEMENT

The scenario input can be used to send 16 different commands over the BUS. For example, it is useful if you want to switch off all the lights in the home, lower all the blinds, deactivate the controlled sockets, etc... In this case, several commands are required and sent over the BUS; the scenario input can be used for this purpose. When the button connected to the scenario input is pressed, the 16 commands are carried out consecutively; the time between one command and the next can be set (0.5 seconds by default).

- ► Select SCENARIOS
- Select one of the 4 scenarios available. if necessary, change the PAGE INDEX BACKGROUND COLOUR and the PAGE INDEX • STATUS COLOUR from the drop-down menu.

Button function - scenario summary

- Summary of the 16 different configurable commands.
- Select the corresponding line to edit the command.

Button function - scenario step

STEP NAME	non-modifiable
DESCRIPTION	field in which you can enter a brief description of the step

	MUDULE	the function is used to control one or more outputs of a module. When this option is selected, you must set the command type, enter the number of the module and output(s) you wish to control.
	GROUP	the function enables control of several outputs on different modules. This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc. To do this, the outputs must be assigned to the same group on the output settings screen. When this option is selected, you must set the command type and enter the group you wish to control. For example, if you want to control all the lights, one group (for example GROUP 5) must be assigned to all the outputs connected to the lights, and then an input set as "GROUP" in the message addressee field, entering the number GROUP 5.
IAI	System Manager	the system manager function sends a command directly to the system managers, for example Maxi Manager, Serial Bridge, Icona Manager. This command is used by the system managers to activate internally stored commands, or to use the input status for logic rules or other functions. You must set the number of the system manager input to send. For example, if you want to use a button to activate a scenario stored in the memory of a Maxi Manager or Icona Manager system manager, you must set the input in this way. This also applies if you want to use an input status for a logic or link function on the Serial Bridge.
	NORMAL	the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time; if you send a normal command to an output set as bistable, the output inverts its status.
	SET	the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Bind" or "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received.
	RESET	the module sends a "force OFF" command and the output is then deactivated regardless of the programming, remaining inactive until a new command is sent. If the RESET command is sent to an output programmed as "Bilnd" or "Venetian blind", the relay is not activated and the blind to which it is connected will not move. For example, to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive.
	ACTIVATE ANALOGUE OUTPUT	the module sends the activation command to the set analogue output, bringing the output to the last value set temporarily. This is used, for example, to switch on dimmable lights connected to modules Art. 20046810 or Art. 20046851.
	DEACTIVATE ANALOGUE OUTPUT	the module sends the off command to the set analogue output. This is used, for example, to switch off dimmable lights connected to modules Art. 20046810 or Art. 20046851.
	SET ANALOGUE VALUE	can be used to bring the brightness or analogue output to the set value which appears alongside it $% \left({\left[{{{\mathbf{x}}_{i}} \right]} \right)$
	SET RGB COLOUR	this command is used to set the desired colour of an RGB light, using the field which appears alongside it $% \left({\left[{{{\rm{B}}_{\rm{B}}} \right]_{\rm{B}}} \right)$

• CLIMATE MANAGEMENT

The CLIMATE management screen can be used to control the temperature/humidity sensor on board the ONE/H module or an external sensor, for temperature adjustment up to +3° / -3°C in steps of 0.5°C in relation to the last set point selected.

- Select CLIMATE
- Select CEIMAL
 Select the centre button
 if necessary, change the PAGE INDEX BACKGROUND COLOUR and the PAGE INDEX STATUS COLOUR from the drop-down menu.

 Button properties

 DESCRIPTION
 Field used to enter a short description of the function or the module managed by the button/arrow

CLIMATE PARAMETERS

Thermostat parameters

Seneral	Heating mode	Cooling mode	Advanced	
Enabl	e thermostat			
/ Exter	nal temperature pr	obe		
Extern	nal probe proper	ties		
Externa	al probe module:			٠
Externa	al probe input numb	ber:		-
✓ Ena	able weighted aver	age temperature		
Weight	of external tempe	rature probe:	0 %	*
end tem	perature on: ()	Time interval 🔿 T	emperature change	
end tem	perature interval:	300	5	
amnerat	ure offset:	0.0	9C	

General

ENABLE THERMOSTAT	tick the box to enable.
SEND TEMPERATURE ON:	select the method for transmission of the temperature reading over the bus. sending these temperature readings serves to update the system managers. TIME INTERVAL: the temperature reading will be sent to the system manager at time intervals set in the "Send temperature reading will be sent to the system manager TEMPERATURE CHANGE: the temperature reading will be sent to the system manager when there are changes in the room temperature reading equal to or greater than those set in the "Send temperature change" field.
TEMPERATURE OFFSET	you can specify a correction factor, in tenths of a degree (this can also be a negative value), to be added to the actual temperature reading. This is set by default to 0.

Heating mode / Cooling mode

 rmostat output activation interval, in tenths of a degree. example, if this is set to 4 tenths of a degree (default value) and the thermosta tet to 20°C in day heating mode, it will activate the relay until the temperatur. 20°C is reached. After switching off, it will be reactivated when the temperature ps below 19.6°C (20°C - 0.4°C). In cooling mode, operation is reversed an refore if a setpoint of 20°C is selected, the thermostat will activate cooling modi il the temperature drops to 20°C. After switching off, it will be reactivated when the temperature exceeds 20.4°C. er the corresponding address used for activation of the temperature controt tem in the selected mode artAL: set this option if you want to control a multi-speed convector heater with OFF inputs for speed adjustment and this heater is connected to a module ove BUS. In this au pt 0 3 outputs on the installed module will be reserved for this function. The number of the module and the number of the outputs (associated to speer sel) you wish to use. TEP ANALOGUE: this parameter can be used to set the climate zone to control is even abasis of the difference between the temperature grant of the activating or colorol provide peed sance ontrol command to the analogue output control provide peed sattings, which can be set as required in the Fan coil control menu, and that a selected on the basis of the difference between the temperature setting for thora and the actual temperature reading to the ranalogue output overtup development. This way the climate zone will send a speed can be set in the Fan coil control menu. NTINUOUS ANALOGUE: this parameter can be used to set the climate zone to trol a multi-speed fan coil unit to control is operating speed. The analogue output output ontexed setting for thora and the actual temperature reading for the room. The temperature setting for thora and the actual temperature setting for threat as speed parameter. NTINUOUS ANALOGUE: this pa
er the corresponding address used for activation of the temperature control term in the selected mode er the corresponding output used for activation of the heating or cooling system he selected mode ITAL: set this option if you want to control a multi-speed convector heater with (OFF inputs for speed adjustment and this heater is connected to a module ove BUS. In this e up to 3 outputs on the installed module will be reserved for this function. the number of the module and the number of the outputs (associated to speer els) you wish to use. TEP ANALOGUE: this parameter can be used to set the climate zone to control send a speed control command to the analogue 0-10V output connected to the coil unit to control its operating speed. The analogue output control provide peed settings, which can be set as required in the Fan coil control menu, an ich are selected on the basis of the difference between the temperature setting for climate zone and the actual temperature reading for the room. The temperature reencess that trigger changes in speed can be set in the Fan coil control menu. NTINUOUS ANALOGUE: this parameter can be used to set the climate zone to thora a multi-speed fan coil unit to control is operating speed. The analogue 0-10V output nected to the fan coil unit to control is operating speed. The analogue output inclo a multi-speed fan coil unit with a 0-10V analogue input. In this way th nate zone will send a speed control command to the analogue 0-10V outpu nected to the fan coil unit to control is operating speed. The analogue output rol varies depending on the difference between the temperatures setting for th nate zone and the actual temperature measured in the room. The greater tha gers maximum speed can be set in the Fan coil control menu using the Ma: ta speed parameter. The function protects the system in the event of extreme temperatures. if the temperature exceeds the set value, the system (even when set to OFF) wil come on automatically to restore suitable conditions as dictated by temperatur
er the corresponding output used for activation of the heating or cooling system he selected mode ITAL: set this option if you want to control a multi-speed convector heater with OFF inputs for speed adjustment and this heater is connected to a module ove BUS. In this the up to 3 outputs on the installed module will be reserved for this function. the number of the module and the number of the outputs (associated to spee- sel) you wish to use. TEP ANALOGUE: this parameter can be used to set the climate zone to control is send a speed control command to the analogue on-10V output connected to the coil unit to control its operating speed. The analogue output control provide peed sattings, which can be set as required in the Fan coil control menu, an ich are selected on the basis of the difference between the temperature setting for climate zone and the actual temperature reading for the room. The temperature rences that trigger changes in speed can be set in the Fan coil control menu. NTINUOUS ANALOGUE: this parameter can be used to set the climate zone to triol a multi-speed fan coil unit with a 0-10V analogue input. In this way the nate zone and the actual temperature reading for the room. The temperature rences that trigger changes in speed can be set in the Fan coil control menu. NTINUOUS ANALOGUE: this parameter can be used to set the climate zone to triol a multi-speed fan coil unit with a 0-10V analogue input. In this way th nate zone and the actual temperature measured in the room. The greater the rerece, the greater the output voltage (0-10V). The temperatures difference tha gers maximum speed can be set in the Fan coil control menu using the Ma ta speed parameter. The function protects the system in the event of extreme temperatures. if the temperature exceeds the set value, the system (even when set to OFF) wi come on automatically to restore suitable conditions as dictated by temperature hysteresis. A group number can be assigned to one of the 2 day or OFF setpoints. This m
ITAL: set this option if you want to control a multi-speed convector heater wit VOFF inputs for speed adjustment and this heater is connected to a module over BUS. In this the up to 3 outputs on the installed module will be reserved for this function. the number of the module and the number of the outputs (associated to speed els) you wish to use. ITEP ANALOGUE: this parameter can be used to set the climate zone to control this speed fan coil unit with a 0-10V analogue input. In this way the climate zone send a speed control command to the analogue 0-10V output connected to th coil unit to control its operating speed. The analogue output control provide peed settings, which can be set as required in the Fan coil control menu, and ich are selected on the basis of the difference between the temperature setting for climate zone and the actual temperature reading for the room. The temperature rences that trigger changes in speed can be set in the Fan coil control menu. ITINUOUS ANALOGUE: this parameter can be used to set the climate zone at throl a multi-speed fan coil unit with a 0-10V analogue input. In this way the nate zone will send a speed control command to the analogue 0-10V output trol varies depending on the difference between the temperature along output trol varies depending on the difference between the temperature difference that a speed parameter. The function protects the system in the event of extreme temperatures. If the temperature exceeds the set value, the system (even when set to OFF) wir come on automatically to restore suitable conditions as dictated by temperature hysteresis. A group number can be assigned to one of the 2 day or OFF setpoints. This means it is possible, by closing a digital input for example, to select th same setpoint on all the thermostats in the system. Pressing gives access to the group manager panel from which yo can create or delete groups.
the function protects the system in the event of extreme temperatures. if the temperature exceeds the set value, the system (even when set to OFF) wi come on automatically to restore suitable conditions as dictated by temperatur hysteresis. A group number can be assigned to one of the 2 day or OFF setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all the thermostats in the system. Pressing gives access to the group manager panel from which yo can create or delete groups.
can create or delete groups.
If this option is enables the system will stop heating as soon as the temperatur read by the PT100 reaches the set threshold.
s option can be used to configure an output to obtain an indication of heatin cooling mode. Output active = cooling mode, output inactive = heating mode.
roup number can be assigned to one of the 2 day or OFF setpoints. s means it is possible, by closing a digital input for example, to select the sam point on all thermostats or Minitouch units in the system. ssing gives access to the group manager panel from which you ca ate or delete groups.
ters on mode Humidification mode Advanced term terval Humidity change 1 %rh Term 0,0 %rh Term Term Term Term Term Term Term Term

Send Humidity on	Indicates the method for transmission of the humidity reading over the bus. Sending these humidity readings serves to update the system managers. TIME INTERVAL: the humidity reading will be sent to the system manager at time intervals set in the "Send humidity interval" field. HUMIDITY CHANGE: the humidity reading will be sent to the system manager when there are changes equal to or greater than those set in the "Send humidity change" field.
HUMIDITY OFFSET	You can specify a correction factor to be added to the actual humidity reading. This is set by default to 0.

Dehumidification mode / Humidification mode

T

DAY THRESHOLD set the desired humidity threshold HUMIDITY humidity hysteresis allows control of the humidification/dehumidification system HYSTERESIS without continuous activation or deactivation of the machine. For example, if you set a hysteresis of 5% and a humidity value of 60% for dehumidification, the dehumidifier will stop when the humidity reaches 55% (60% set value - 5% hysteresis) and restart when the value rises to 61%. ADDRESS enter the corresponding address used for activation of the humidity control system in the selected mode OUTPUT enter the corresponding output used for activation of the humidity control system in the selected mode FAN COIL SPEED CONTROL* DIGITAL: set this option if you want to control a humidifier/dehumidifier with ON/OFF inputs for speed adjustment and this device is connected to a module over the BUS. In this case up to 3 outputs on the installed module will be reserved for this function. Set the number of the module and the number of the outputs (associated to speed levels) you wish to use. ANALOGUE: this parameter can be used to set the climate zone to control a multi-speed humidifier/dehumidifier unit with a 0-10V analogue input. This means the climate zone will send a speed control command to the analogue o-10V output connected to the humidification/dehumidification unit to control its operating speed. The analogue output control provides 3 speed settings, which can be set as required in the advanced parameters menu, and which are selected on the basis of the difference between the humidity setting for the climate zone and the actual humidity measured in the room. The greater the difference, the greater the output voltage (0-10V). The differences in humidity that trigger changes in speed can be set in the advanced settings.

ADVANCED	DAY GROUP OFF GROUP	A group number can be assigned to one of the 2 day or OFF setpoints. This means the same setpoint can be set on all thermostats or Minitouch units in the system, for example by closing a digital input. Pressing gives access to the group manager panel from which you can create or delete groups.
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Advanced

Humidification/ Dehumidification Signalling	This option can be used to configure an output to obtain an indication of humidification or dehumidification mode. Output active = dehumidification mode, output inactive = humidification mode.
DAY GROUP OFF GROUP	A group number can be assigned to one of the 2 day or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all the thermostats in the system. Pressing gives access to the group manager panel from which you can create or delete groups.

Advanced

ENABLE / DISABLE GROUP	you can assign an ENABLE GROUP and a DISABLE GROUP to the DEWPOINT function to activate or deactivate the function itself.
	$\ensuremath{Pressing}$ $\ensuremath{\underbrace{\ensuremath{\cdots}}}$ gives access to the group manager panel from which you can create or delete groups.
DEW POINT Overcoming Signalling	a MODULE and an OUTPUT paired with the dew point function can be selected to show when the calculated limit has been exceeded. Pressing gives access to the group manager panel from which you can create or delete groups.

CONFIGURATION INFOGRAPHIC



EXAMPLE SCREEN CONFIGURATIONS

General	Advanced		
✓ Dew p	oint control enabled		
Send dew	point on: O Time	interval Dew point change	
Send dew Send dew	point on: Time	interval Dew point change 0,1 °C	-
Send dew Send dew Dew point	point on: Time point change: hysteresis:	interval (●) Dew point change 0,1 °C 0,2 °C	

Dew point parameters

DEW POINT CONTROL ENABLED	tick the box to enable.
SEND DEW POINT ON	select the method for transmission of the temperature reading over the bus. these transmissions update the system managers as to the status (e.g. humidity readings). We recommend leaving this parameter set to the default value (5 minutes). TIME INTERVAL: the temperature reading will be sent at time intervals set in the "Send dew point interval" field. DEW POINT CHANGE: the temperature reading will be sent when there are changes equal to or greater than those set in the "Send dew point change" field.
DEW POINT HYSTERESIS	the dew point hysteresis allows control of cooling system activation/deactivation without continuous activation or deactivation of the machine. For example, with a hysteresis of 0.4°, if a dew point offset of 20°C is set, the function will activate at 20°C and deactivate at 19.6°C.
USE PT 100 TEMP. TO CALCULATE DEW POINT	means the temperature reading from the $\ensuremath{PT100}$ sensor can be used to calculate the dew point.
COOLED SURFACE TEMPERATURE	if the PT100 sensor is not being used to calculate the dew point, the temperature reached by the cooling surface (floor) when the system is running can be set.

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5. SYSTEM MANAGER PROGRAMMING

PLANUX MANAGER 20034801

MODULE INFORMATION

T

System manager description:	Planux manager 1	
Language:	English	•
System master slave:	Slave	
Time sync master slave:	Slave	1
Simplebus		
Simplebus address:	3	
Privacy button function:	Privacy and doctor	
Button 1 function:	Secondary switchboard	
Button 2 function:	Generic actuator	
Camera button function:	Self-ignition	
Hands free function		
Main secondary function:	Main	•
Alarm configuration		
Alarm control panel type:	Not used	
Alarm zones and areas:	Configure alarm zones and areas	
System manager user int	erface	
Use interface of: Loca	Comelit Hub	
System manager elements:	Configure system manager elements	

General

SYSTEM MANAGER DESCRIPTION	enter a short description of the system manager to easily identify it within the project.
LANGUAGE	Select the language for the system manager interface
SYSTEM MASTER / SLAVE	The master device transmits the home automation configuration to the slave devices. By default, the first system manager to be added to the system will be the master. Only one of the system managers in the system may be set as the master, and all the remaining system managers must be set as slaves. The device will automatically be a slave if there is a Comelit Hub 20003150 in the system.
TIME SYNC MASTER / SLAVE	The master device transmits the date and time to the slave devices. By default, the system manager added to the system is a time sync slave. If there is a Comelit Hub 20003150 in the system, it will be the master device. Only one of the system managers in the system may be set as the master, and all the remaining system managers must be set as slaves. TIME SYNC master and SYSTEM master may be 2 different system managers. If there is no Comelit Hub 2003150 in the system we recommend setting Serial Bridge 20003101 as time sync master so that the date and time are updated automatically.

Simplebus

SIMPLEBUS ADDRESS	from the menu you can configure the Simplebus address of the system manager
PRIVACY BUTTON FUNCTION	from this menu you can select the function associated with the PRIVACY button of the manager, choosing between: PRIVACY / DOCTOR / PRIVACY + DOCTOR
BUTTON 1 FUNCTION BUTTON 2 FUNCTION	from this menu you can select the function associated with BUTTON 1 of the manager, choosing between: GENERIC ACTUATOR / MAIN SWITCHBOARD / GENERIC CAMERA / SECONDARY SWITCHBOARD / ALARM / HOUSEKEEPER
CAMERA BUTTON FUNCTION	from this menu you can select the function associated with the CAMERA button of the manager, choosing between: GENERIC ACTUATOR / MAIN SWITCHBOARD / SELF ACTIVATION / GENERIC CAMERA / SECONDARY SWITCHBOARD / ALARM / HOUSEKEEPER
HANDS FREE FUNCTION	the flag is used to activate the function. On receipt of a call the monitor will start communicating automatically.
MAIN SECONDARY FUNCTION	from this menu you can configure the function as: SECONDARY / MAIN / MULTI MAIN

Alarm configurat	lion
ALARM CONTROL PANEL TYPE	select the type of alarm control panel installed in the system: S32 / S40 / S88 / S88F / S88R / S200 / VED010 / VED034 / VED068 / VED0200
ALARM Zones and Areas	 For S series control panels, alarm zones and areas must be configured using the dedicated function: add the areas select the wired zones/wireless zones used associate the zones and areas

System manager user interface

USE INTERFACE OF	it is possible to select a system manager from which to import the user interface, or to deselect the flag and configure the system manager manually. This function can only be activated when there are at least 2 system managers in the system. by default, the system manager uses the interface for the first system manager (default master) entered in the system.
CONFIGURE SYSTEM MANAGER ELEMENTS *	from this menu you can select which system manager elements to view and manage via the system manager. OUTPUTS / INPUTS / CONSUMPTION / CLIMATE (Further information on page 39.)
SORT ROOMS	the menu can be used to change the order in which rooms are displayed on the system manager. • Remove the flag from Use order from physical view, select the desired room, move it up/down using the arrows, then confirm or cancel the procedure. The order cannot be changed directly if using the interface for another system manager. • Remove the flag from use order the changed directly if using the interface for another system manager. • Remove the flag from use order the changed directly if using the interface for another system manager. • Remove the flag from use order from physical view • Remove the flag from the changed directly if using the interface for another system manager. • Remove the flag from the changed directly if using the interface for another system manager. • Remove the flag from the changed directly if using the interface for another system manager. • Remove the flag from the changed directly if using the interface for another system manager. • Remove the flag from the changed directly if using the interface for another system manager. • Remove the flag from the changed directly if using the interface for another system manager. • Remove the flag from the changed directly if using the interface for another system directly if using the interface for the flag from the changed directly if using the interface for dire

The parameters that can be changed in System manager elements are described below.

* Outputs

Only the OUTPUTS ASSOCIATED WITH THE PHYSICAL VIEW are visible

Outputs	Inputs Consumpt	ton Climate						
Export	Description	Type	Module	Output	Room	System manager function	Set condition Cond	itoned Protected
1	No	Digital output			dent.	Light		
1	SPECCHED	Digital output	2	2	Bagno	Light		0
2	DOCCIA	Digital output	2	3	Bagno	Light	177	
2	CAMERETTA	Digital output	2	4	Cameretta	Light	***	
	P. CAMERETTA	Digital output	2	5	Cameretta	Other	***	
1	CORRIDOIO	Digital output	2	7	Corridoio	Light	100	
	P. CAMERA	Digital output	2	8	Camera	Other	***	8
12	CAMERA	Digital output	3	1	Camera	Light	100	E
1	AAAA	Digital output	3	2	Camera	Light	***	0
	8888	Digital output	3	3	Camera	Light	410	
1	CASINA	Digital output	3	4	Camera	Light	***	
12	SUGNERIA	Digital output	3	5	Stanzino	Other	111	
1	WIFI	Digital output	3	6	Stanzino	Other	***	
	ASP BAGNO	Digital output	3	7	Bagno	Other		
12	ASP STANZINO	Digital output	3	8	Stanzino	Other		
	SALOTTO	Digital output	4	1	Soggiorno	Bind		
R	CUCINA	Digital output	4	3	Cuona	Blind	***	
12	CAMERA	Digital output	4	5	Camera	Blind	***	[7]
1	CAMERETTA	Digital output	4	7	Cameretta	Dind	84.5	
2	BAGNO	Digital output	5	1	Bagno	Blind	***	
12	CUCRU	Divitid a dava			Quint	a system		m ·

1000	Course .
. UN	Gence

EXPORT	the selected $\ensuremath{OUTPUTS}$ will be displayed on the system manager. Select them using flags.
DESCRIPTION	the element description can be customised. the new description will also be updated on the System manager.
ROOM	you can select the room (from those belonging to the direct hierarchy of the selected output) to which the output is to be linked.
SET OUTPUT OUTPUT	To use the Conditioned Output function, at least one input on one of the digital modules installed must be set as System manager. The conditioned output makes it possible to stop the timers set for that output on the system manager, according to the status of an input on a digital module set as system manager. Conditioning is activated by Icona Manager / Planux Manager / Minitouch.
CONDITIONED	the column shows the conditioning status of the outputs by means of a flag (PRESENT for CONDITIONED OUTPUTS) $% \left(\left({{{\rm{CD}}}_{{\rm{CD}}}} \right) \right)$
PROTECTED	this function can be used to protect the selected outputs in that a PASSWORD will be required before their ACTIVATION or DEACTIVATION via System manager

* Inputs

EXPORT	the selected INPUTS will be displayed on the master home automation system manager or the system manager associated with the home automation master. Select, using the flags.
DESCRIPTION	the element description can be customised. the new description will also be updated on the System manager.
System Manager Function	It is necessary to set SCENARIO mode in systems with PLANUX or MINITOUCH with master home automation firmware versions UNDER VERSION 2.0 In systems with ICONA or PLANUX or MINITOUCH with firmware VERSION 2.0 or HIGHER, set the value to INPUT
SCENARIO ACTIVATION	you can activate/deactivate the function by selecting $\ensuremath{ON/OFF}$ from the drop-down menu
SCENARIO DESCRIPTION	you can enter a description of the selected scenario

* Concumption

T

Consumption	
EXPORT	the selected CONSUMPTION values will be displayed on the master home automation system manager or the system manager associated with the home automation master. Select, using the flags.
DESCRIPTION	the element description can be customised. the new description will also be updated on the System manager.
GROUP	This function allows you to group together a number of counters of the same type (e.g. electricity consumption meters) in a single group so that they all be displayed graphically as a single counter. Pressing <u>Couppi</u> gives access to the group manager panel from which you can create or delete groups.
VISIBLE	The VISIBLE attribute serves to make the selected consumption value visible on the System manager $% \left({{\boldsymbol{x}_{i}}} \right)$
COMPARE	The COMPARE attribute adds a graph for comparison of the two TA modules, one of which is set as PRODUCTION and one as CONSUMPTION to facilitate data matching.
* Climate	
EXPORT	the selected CLIMATE ELEMENTS will be displayed on the system manager.

EXPORT	the selected CLIMATE ELEMENTS will be displayed on the system manager. Select, using the flags.
DESCRIPTION	the element description can be customised. the new description will also be updated on the System manager.

MAXI MANAGER WITH ANDROID 20003300W

MODULE INFORMATION

Mod Clima

Module information	General		
lima parameters *	System manager description:	Maxi loca	
Thermostat parameters Humidistat parameters	Language:	English	٣
Dew point parameters	Alarm configuration		
	Enable alarm control panel	4	
	Vedo device ID:	1	٣
	Thermostat/humidity ser	sor	
	Carl Enable temperature/humic	dity sensor	
	Description	Termostato/umidostato	
	Address	10	*
	System manager user int	erface	
	✓ Use interface of: Loca	a Comelit Hub	٠
	System manager elements:	Configure system manager elements	
	Rooms:	Sort rooms	

General

Maxi Manager with Android 20003300W as a home automation system manager works exclusively in conjunction with Comelit Hub; for this reason it behaves as a home automation slave and a time sync slave.

SYSTEM MANAGER DESCRIPTION	enter a short description of the system manager to easily identify it within the project.
LANGUAGE	select the language for the system manager interface.

Alarm configuration

Communication with the Vedo alarm control panel requires suitable configuration using the Safe Manager software. Compatible Vedo control panels: VED010 - VED034 - VED068 - VED0200 version 2.10.X - VED0 IP version 2.7.X

ENABLE ALARM CONTROL PANEL	enable to allow communication with the alarm system
VEDO DEVICE ID	enter the device ID as set in Safe Manager

Thermostat/humidity sensor ·····

enable Temper Humidit	ATURE/ Ty sensor	this function is used to enable/disable programming of the system manager's built- in temperature and humidity sensor
DESCRI	PTION	you can enter a description of the sensor to facilitate its identification in the system manager
ADDRES	S	assign an address on the bus to the sensor

System manager user interface

USE INTERFACE OF	It is possible to select a system manager from which to import the user interface, or to deselect the flag and configure the system manager manually. This function can only be activated when there are at least 2 system managers in the system. by default, the system manager uses the interface for the first system manager (default master) entered in the system.
CONFIGURE System Manager Elements	the menu can be used to select which elements to view and manage via the Comelit app and via the system managers utilising the user interface for the module. OUTPUTS / INPUTS / CONSUMPTION / CLIMATE / SCENARIOS / RULES (Further information on page 47)
SORT ROOMS	the menu can be used to change the order in which rooms are displayed on the system manager. • Remove the flag from Use order from physical view, select the desired room, move it up/down using the arrows, then confirm or cancel the procedure. The order cannot be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed to be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed to be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed to be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed to be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed directly if using the interface for another system manager. • Remove the order from physical view • It is not be changed directly if using the interface for another system manager. • Remove the order from physical view • Remove the order

THERMOSTAT PARAMETERS

I.

Generalj	Heating mode	Cooling mode	Advanced		
✓ Enabl	e thermostat				
Send tem	perature on:)	Time interval 🔿 1	l'emperature char	ge	
Send tem	perature interval:	300) s		
Temperat	ure offset:	0,0	°C		

ENABLE THERMOSTAT	this option enables/disables management of the integrated temperature probe.
SEND TEMPERATURE ON:	select the method for transmission of the temperature reading over the BUS. Sending these temperature readings serves to update the system managers. TIME INTERVAL the temperature reading will be sent to the system manager at time intervals set in the "Send temperature interval" field. TEMPERATURE CHANGE the temperature reading will be sent to the system manager when there are changes in the room temperature reading update to or greater than those set in the "Send temperature change" field
TEMPERATURE OFFSET	You can specify a correction factor, in tenths of a degree (this can also be a negative value), to be added to the actual temperature reading. This is set by default to 0.

						_				
G	eneral	Heating	mode	Cooling mod	e Adva	ncea	9			
Day threshold:		20,0 °C	20,0 ℃ -							
т	emperati	ure hyster	resis:	0,2 °C						
٧	alve outp	out:								
	Addre	ss: No	t used	*	Output:	No	t used		*	
	^ Fan	coil con	trol							
1	Eao coil	consed co	atrali (alaar				
	Coord 1	outout.	100.	Address		soy.	Autout	Notured	-	
	Speed 2	output:		Address:	NOC U	•	Output:	Not used		
	Speed 2	output:					Output:	Not used	•	
	Sheen ?	output.					output.	Not used	•	
	Change	from spe	ed 1 to 2:	1,5 ℃						*
	Change	from spe	ed 1 to 3:	2,0 °C						*
Ì	^ Adv	anced								
	Frost pr	otection (threshold:	4,0 ℃						*
	Day gro	up:		No group)			•		
	Off gro	up:		No group	1			Ŧ		
	TUDEOUK		0.111							
DAY	THRESH	JLD	Set the d	lesired tempe	rature thres	nola				
TEMPERATURE Indicates HYSTERESIS example, to 20°C in is reached below 19. if a setpo the temperatu		the thermo , if this is set t in day heating ed. After swit 0.6°C (20°C - ioint of 20°C operature drops ture exceeds	stat output to 4 tenths c 1 mode, it w ching off, it 0.4°C). In is selected s to 20°C. A 20.4°C.	action fad villac twill coolin toolin the	ivation inte legree (defa ctivate the r be reactive ng mode, o e thermosta switching o	erval, in tenti ult value) and elay until the ated when th peration is re t will activate off, it will be	ns of a the therm temperat e temper versed ar e cooling reactivate	degree. Fo nostat is se ure of 20°C ature drops nd therefore mode unti ed when the		
ADD	ADDRESS Enter the control sy		e address of th ystem in the s	ne module to selected mo	o wh de (H	ich the activ Heating / Co	vation elemen ooling) is conr	it for the t nected	emperature	
OUT	PUT		Enter the control s	e output of the ystem in the s	e module to selected mo	whi de (ł	ch the activ Heating / Co	vation elemen poling) is conr	t for the t nected	emperature
	FAN COI CONTRO	L SPEED)L*	OFF: Fan Digital	Coil speed co	ontrol disab on if vou wa	led	o control a	multi-speed o	onvector	heater with

	FAN COIL SPEED CONTROL*	OFF: Fan Coil speed control disabled
		UV/UF+ inputs for speed adjustment and this neater is connected to a module over the BUS. In this case up to 3 outputs on the installed module will be reserved for this function.
TROL	FAN COLL CONTROL	Set the address of the module and the relevant outputs (associated to speed levels) you wish to use.
FAN COIL CON		ANALOGUE: this parameter can be used to set the climate zone to control a multi- speed fan coil unit with a 0-10V analogue input. In this way the climate zone will send a speed control command to the analogue 0-10V output connected to the fan coil unit to control its operating speed. The analogue output control provides 3 speed settings, which can be set as required in parameters Speed 1 / Speed 2 / Speed 3, and which are selected on the basis of the difference between the temperature setting for the climate zone and the actual temperature reading for the room. The bioace the difference. the higher the value of the 0-10V output will rise.
		The temperature differences triggering the different speed levels can be set in parameters <i>Change from speed</i> 1 to 2 and <i>Change from speed</i> 1 to 3.

ADVANCED	FROST / HIGH TEMPERATURE PROTECTION THRESHOLD	the function protects if the temperature of come on automatic hysteresis.	the function protects the system in the event of extreme temperatures. if the temperature exceeds the set value, the system (even when set to OFF) will come on automatically to restore suitable conditions as dictated by temperature hysteresis.						
	day, off group	A group number car This means it is pos setpoint on all the th	A group number can be assigned to one of the 2 day or OFF setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all the thermostats in the system.						
Pressing gives access to the group manager panel from which y create or delete groups.									
dv	anced •••••								
Gé	eneral Heating	mode Cooling mo	de [Advanced]						
He	ating/cooling sign	alling:							
	Address: 4	-	Output: Output 4	•					
Da	y group:		Gruppo 1 -						
Ōf	f group:		Gruppo 1 -						
HEA' Sign	ting / Cooling Ialling	This option can be or cooling mode. O	used to configure an output to obtain an in utput active = cooling mode, output inactive =	dication of heating = heating mode.					
day,	OFF GROUP	A group number ca This means it is po setpoint on all ther	IN be assigned to one of the 2 day or OFF set ssible, by closing a digital input for example, mostats or Minitouch units in the system.	ooints. to select the same					
		Pressing	Pressing gives access to the group manager panel from which you can create or delete arruns						

HUMIDISTAT PARAMETERS

General Dehum	lification mode Humidification mode Advanced						
C Enable humidity	Chable humidity sensor						
Send humidity on:	Time interval						
Send humidity inter	al: 300 s -						
Humidity offset:	-0,5 %rh -						
ENABLE HUMIDITY SENSOR	this option enables/disables management of the integrated humidity probe.						
SEND HUMIDITY ON select the method for transmission of the humidity reading over the BUS. S these humidity readings serves to update the system managers. TIME INTERVAL: the humidity reading will be sent to the system manager intervals set in the "Send humidity interval" field. HUMIDITY CHANGE: the humidity reading will be sent to the system manage there are changes equal to or greater than those set in the "Send humidity of field.							
HUMIDITY OFFSET	you can specify a correction factor to be added to the actual humidity reading. This is set by default to 0.						

General

Dehumidification mode / Humidification mode

General Dehumidification mode Humidification mode Advanced

ay threshold:	40 %rh			
umidity hysteresis:	5,0 %rh			
alve output:				
Address: 1	 Output: 	3		•
 Fan coil control 				
Fan coil speed control:	Off Digital Ar	nalogue		
Speed 1 output:	Address: 1	- Output:	1	•
Speed 2 output:		Output:	Not used	•
Speed 3 output:		Output:	Not used	•
Change from speed 1	:o 2: 10 %rh			-
Change from speed 1	:o 3: 20 %rh			-
^ Advanced				
Day group:	No group		*	
Off group:	No group		-	

HUN	IDITY HYSTERESIS	humidity hysteresis allows control of the humidification/dehumidification system without continuous activation or deactivation of the machine. For example, if you set a hysteresis of 5% and a humidity value of 60% for dehumidification, the dehumidifier will stop when the humidity reaches 55% (60% set value - 5% hysteresis) and restart when the value rises to 61%.
ADDRESS		enter the address of the module to which the activation element for the humidity control system in the selected mode (Dehumidification / Humidification) is connected
OUTPUT		enter the output of the module to which the activation element for the humidity control system in the selected mode (Dehumidification / Humidification) is connected
FAN COIL CONTROL	FAN COIL SPEED CONTROL*	OFF: Fan Coil speed control disabled DIGITAL: set this option if you want to control a humidifier/dehumidifier with ON/ OFF inputs for speed adjustment and this device is connected to a module over the BUS. In this case up to 3 outputs on the installed module will be reserved for this function. Set the address of the module and the relevant outputs (associated to speed levels) you wish to use. ANALOGUE: this parameter can be used to set the climate zone to control a multi- speed humidifier/dehumidifica unit with a 0-10V analogue input. This means the climate zone will send a speed control command to the analogue 0-10V output connected to the humidification/dehumidification unit to control its operating speed. The analogue output control provides 3 speed settings, which can be set as required in parameters Speed 1 / Speed 2 / Speed 3, and which are selected on the basis of the difference between the humidity setting for the climate zone and the actual humidity reading for the room. The greater the difference, the greater the output voltage (0-10V). The humidity differences triggering the difference speed levels can be set in parameters <i>Change from speed</i> 1 to 2 and <i>Change from speed</i> 1 to 3.
ADVANCED	day, off group	A group number can be assigned to one of the 2 day or OFF setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all the thermostats in the system. Pressing gives access to the group manager panel from which you can create or delete groups.

Advanced

General	Dehumid	ification mode	Humidification	mode	Advanced			
Humidifica	tion/dehur	idification signa	illing:					
Addre	ss: 1		 Output: 	Output	t 1		•	
Day group	01	Gruppo 2				-		
Off group	:	Gruppo 1				*		
HUMIDIFICATION/ DEHUMIDIFICATION This option can be used to configure an output to obtain an indication humidification or dehumidification mode. SIGNALLING Output active = dehumidification mode, output inactive = humidification mode.					on of e.			
GROUP DAY MODE OFF MODE		A group numb This means it setpoint on all	er can be assigne is possible, by cl the thermostats i	ed to one osing a d in the sys	of the 2 day o igital input for stem.	r off setpoi example,	ints. to select the	same
		Pressing create or delet	gives acce te groups.	ss to the	group manag	er panel fr	rom which yo	u can

DEW POINT PARAMETERS

General Advanced						
✓ Dew point control enabled						
Send dew point on: O Time interval Dew point change						
Send dew point change:	0,1 °C	-				
Dew point hysteresis:	0,2 °C	-				
Cooled surface temperature:	20,0 °C	-				

General ·····

DEW POINT CONTROL ENABLED	this option is used to enable/disable dew point control.
SEND DEW POINT ON	Indicates the method for transmission of the temperature reading over the bus. These transmissions update the system managers as to the status (e.g. humidity readings). We recommend leaving this parameter set to the default value (5 minutes). TIME INTERVAL : the temperature reading will be sent at time intervals set in the "Send dew point interval" field. DEW POINT CHANGE : the temperature reading will be sent when there are changes equal to or greater than those set in the "Send dew point change" field.
DEW POINT Hysteresis	the dew point hysteresis allows control of cooling system activation/deactivation without continuous activation or deactivation of the machine. For example, with a hysteresis of 0.4°, if a dew point offset of 20°C is set, the function will activate at 20°C and deactivate at 19.6°C.
COOLED SURFACE TEMPERATURE	To calculate the dew point it's necessary to manually set the temperature reached by the cooling surface (floor) when the system is running can be set.
Advanced	

ENABLE GROUP DISABLE GROUP	you can assign an ENABLE GROUP and a DISABLE GROUP to the DEWPOINT function to activate or deactivate the function itself. Pressing gives access to the group manager panel from which you can create or delete groups.
DEW POINT OVERCOMING SIGNALLING	a MODULE and an OUTPUT paired with the dew point function can be selected to show when the calculated limit has been exceeded. Pressing gives access to the group manager panel from which you can create or delete groups.

MAXI MANAGER 20003320W

MODULE INFORMATION

Module information	General					
Clima parameters ^ Thermostat parameters Humidistat parameters	System manager description: Language:	Maxi loca English	¥			
Dew point parameters	Alarm configuration					
	C Enable alarm control panel Vedo device ID:	1	¥			
	Thermostat/humidity sensor					
	Chable temperature/humidity sensor					
	Description	Termostato/umidostato				
	Address	10	•			
	System manager user interface					
	✓ Use interface of: Loca	Cornelit Hub	×			
	System manager elements:	Configure system manager elements				
	Rooms:	Sort rooms				

General

Maxi Manager 20003320W as a home automation system manager works exclusively in conjunction with Comelit Hub; for this reason it behaves as a home automation slave and a time sync slave.

SYSTEM MANAGER Description	enter a short description of the system manager to easily identify it within the project.
LANGUAGE	select the language for the system manager interface.

Alarm configuration

Communication with the Vedo alarm control panel requires suitable configuration using the Safe Manager software. Compatible Vedo control panels: VED010 - VED034 - VED068 - VED0200 version 2.10.X - VED0 IP

version 2.7.X

ENABLE ALARM CONTROL PANEL	enable to allow communication with the alarm system
VEDO DEVICE ID	enter the device ID as set in Safe Manager

Thermostat/humidity sensor

enable Temperature/ Humidity Sensor	this function is used to enable/disable programming of the system manager's built- in temperature and humidity sensor
DESCRIPTION	you can enter a description of the sensor to facilitate its identification in the system manager
ADDRESS	assign an address on the bus to the sensor

System manager user interface

USE INTERFACE OF	it is possible to select a system manager from which to import the user interface, or to deselect the flag and configure the system manager manually. This function can only be activated when there are at least 2 system managers in the system. by default, the system manager uses the interface for the first system manager (default master) entered in the system.
CONFIGURE SYSTEM MANAGER ELEMENTS	the menu can be used to select which elements to view and manage via the Comelit app and via the system managers utilising the user interface for the module. OUTPUTS / INPUTS / CONSUMPTION / CLIMATE / SCENARIOS / RULES (Further information on page 47)

 Remove the flag from Use order from physical view, select the desired room, move it up/down using the arrows, then confirm or cancel the procedure. The order cannot be changed directly if using the interface for
another system manager.
Use order from physical view
Kitchen
Dining room
Uving room
Entrance Corridor
OK Cancel

THERMOSTAT PARAMETERS

T

SORT ROOMS

General						
General	Heating mode	Cooling mod	de Advanced			
✓ Enable Send temp	e thermostat erature on: (@) Time interval (Temperature	change		
Send temp	erature interval		300 s			*
Temperatu	ire offset:		0,0 ℃			*
ENABLE THERMOSTA	T this	option enables/d	lisables managem	ent of the inte	egrated tempera	ature probe.
SEND TEMPI ON:	ERATURE sele thes TIM the t the ' TEM the t in th tem	t the method for e temperature reaction E INTERVAL remperature reactive Send temperature PERATURE CHA emperature reactive room temperature perature change	transmission of t vadings serves to ting will be sent t irre interval" field. INGE ling will be sent to ature reading equ " field	the temperatur update the system the system m the system m al to or great	e reading over t stem managers manager at tim nanager when tt er than those s	the BUS. Sending e intervals set in here are changes set in the "Send

You can specify a correction factor, in tenths of a degree (this can also be a negative value), to be added to the actual temperature reading. This is set by default to 0.

		control system in the selected mode (Heating / Cooling) is connected
FAN COIL CONTROL	FAN COIL SPEED CONTROL*	OFF: Fan Coil speed control disabled DIGITAL: set this option if you want to control a multi-speed convector heater with ON/OFF inputs for speed adjustment and this heater is connected to a module over the BUS. In this case up to 3 outputs on the installed module will be reserved for this function. Set the address of the module and the relevant outputs (associated to speed levels) you wish to use. ANALOGUE: this parameter can be used to set the climate zone to control a multi- speed fan coil unit with a 0-10V analogue input. In this way the climate zone will send a speed control command to the analogue 0-10V output connected to the fan coil unit to control its operating speed. The analogue output control provides 3 speed settings, which can be set as required in parameters Speed 1 / Speed 2 / Speed 3, and which are selected on the basis of the difference between the temperature setting for the climate zone and the actual temperature reading for the room. The bigger the difference, the higher the value of the 0-10V output will rise. The temperature differences triggering the different speed levels can be set in parameters <i>Change from speed</i> 1 to 2 and <i>Change from speed</i> 1 to 3.
8	FROST / HIGH TEMPERATURE PROTECTION THRESHOLD	the function protects the system in the event of extreme temperatures. if the temperature exceeds the set value, the system (even when set to OFF) will come on automatically to restore suitable conditions as dictated by temperature hysteresis.
ADVANCI	day, off group	A group number can be assigned to one of the 2 day or OFF setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all the thermostats in the system. Pressing gives access to the group manager panel from which you can create or delete groups.

Enter the address of the module to which the activation element for the temperature control system in the selected mode (Heating / Cooling) is connected

Enter the output of the module to which the activation element for the temperature

General	Hea	ating mode	Cooling ma	de Adva	nced		
Heating/co	oling	signalling:					
Addres	55:	4	•	Output:	Output 4		•
Day group:				Gruppo 1		*	
Off group:				Gruppo 1		*	

HEATING / COOLING SIGNALLING	This option can be used to configure an output to obtain an indication of heating or cooling mode. Output active = cooling mode, output inactive = heating mode.
DAY, OFF GROUP	A group number can be assigned to one of the 2 day or OFF setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all thermostats or Minitouch units in the system.
	Pressing gives access to the group manager panel from which you can create or delete groups.

General

HUMIDISTAT PARAMETERS

ADDRESS OUTPUT

General Dehumidi	fication mode Humidification mode Advanced
✓ Enable humidity s	ensor
Send humidity on:	Time interval O Humidity change
Send humidity interva	d: 300 s ~
Humidity offset:	-0,5 %rh ~
SENSOR	this option enables/disables management of the integrated humidity probe.
SEND HUMIDITY ON	select the method for transmission of the humidity reading over the BUS. Sending these humidity readings serves to update the system managers. TIME INTERVAL : the humidity reading will be sent to the system manager at time intervals set in the "Send humidity interval" field. HUMIDITY CHANGE : the humidity reading will be sent to the system manager when there are changes equal to or greater than those set in the "Send humidity change field.
HUMIDITY OFFSET	you can specify a correction factor to be added to the actual humidity reading. This is set by default to 0.

Dehumidification mode / Humidification mode

General Heating mode Cooling mode Advanced

Heating mode / Cooling mode ·····

TEMPERATURE OFFSET

General	Heating	mode	Cooling mode	Advance	ea			
Day thres	hold:		20,0 °C					
Temperat	ure hyster	esis:	0,2 °C					
Valve out	put:							
Addre	ess: No	t used	* OI	utput: N	lot used		*	
∧ Fan	coil cont	rol						
Fan coi	l speed co	ntrol:) Off () Digita	I 🔿 Analog	jue			
Speed	1 output:		Address:	Not u 👻	Output:	Not used	*	
Speed	2 output:				Output:	Not used	*	
Speed	3 output:				Output:	Not used	*	
Change	e from spe	ed 1 to 2:	1,5 °C					*
Change	e from spe	ed 1 to 3:	2,0 °C					٠
^ Adv	vanced							
Frost p	rotection t	hreshold:	4,0 ℃					*
Day gro	oup:		No group			-		
Off gro	up:		No group			*		
Y THRESH	OLD	Set the d	lesired temperat	ture threshol	d			
MPERATUR	RF	Indicates	the thermosta	at output ad	tivation inte	erval in tenths	ofac	learee

TEMPERATURE Indicates the thermostat output activation interval, in tenths of a degree. For example, if this is set to 4 tenths of a degree (default value) and the thermostat is set to 20°C in day heating mode, it will activate the relay until the temperature of 20°C is reached. After switching off, it will be reactivated when the temperature drops below 19.6°C (20°C - 0.4°C). In cooling mode, operation is reversed and therefore if a setpoint of 20°C is selected, the thermostat will activate cooling mode until the temperature drops to 20°C. After switching off, it will be reactivated when the temperature exceeds 20.4°C.

ay threshold:	40 %rn		
lumidity hysteresis:	5,0 %rh		
alve output:			
Address: 1	✓ Output:	3	•
 Fan coil control 			
	0.00		
Fan coil speed control:	◯ Off ● Digital ◯ A	nalogue	
Speed 1 output:	Address: 1	- Output: 1	•
Speed 2 output:		Output: Not us	ed •
Speed 3 output:		Output: Not us	ed 👻
Change from mond ()	to 2: 10 %rh		
Change from speed 1 (
Change from speed 1 Change from speed 1	to 3: 20 %rh		
Change from speed 1 Change	to 3: 20 %rh		

-

General Dehumidification mode Humidification mode Advanced

No group

DAY	THRESHOLD	set the desired humidity threshold			
Humidity Hysteresis		humidity hysteresis allows control of the humidification/dehumidification system without continuous activation or deactivation of the machine. For example, if you set a hysteresis of 5% and a humidity value of 60% for dehumidification, the dehumidifier will stop when the humidity reaches 55% (60% set value - 5% hysteresis) and restart when the value rises to 61%.			
ADDRESS		enter the address of the module to which the activation element for the humidity control system in the selected mode (Dehumidification / Humidification) is connected			
OUTPUT		enter the output of the module to which the activation element for the humidity control system in the selected mode (Dehumidification / Humidification) is connected			
FAN COIL CONTROL	FAN COIL SPEED CONTROL*	OFF: Fan Coil speed control disabled DIGITAL: set this option if you want to control a humidifier/dehumidifier with ON/ OFF inputs for speed adjustment and this device is connected to a module over the BUS. In this case up to 3 outputs on the installed module will be reserved for this function. Set the address of the module and the relevant outputs (associated to speed levels) you wish to use. ANALOGUE: this parameter can be used to set the climate zone to control a multi- speed humidifier/dehumidifier unit with a 0-10V analogue input. This means the climate zone will send a speed control command to the analogue 0-10V output connected to the humidification/dehumidification unit to control its operating speed. The analogue output control provides 3 speed settings, which can be set as required in parameters Speed 1 / Speed 2 / Speed 3, and which are selected on the basis of the difference between the humidity setting for the climate zone and the actual humidity reading for the room. The greater the difference, the greater the output voltage (0-10V). The humidity differences triggering the different speed levels can be set in parameters <i>Change from speed</i> 1 to 2 and <i>Change from speed</i> 1 to 3.			
ADVANCED	day, off group	A group number can be assigned to one of the 2 day or OFF setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all the thermostats in the system. Pressing gives access to the group manager panel from which you can create or delete groups.			

Advanced

General	Del	numidifi	cation mode	Н	lumidification	mode	Advanced			
Humidifica Addre	tion/d	lehumid 1	lification signal	ling •	Output:	Outp	.k 1		•	
Day group	0:		Gruppo 2					-		
Off group	:		Gruppo 1					Ŧ		
HUMIDIFICA	TION/	N .	This option c	an or d	be used to lebumidificat	configu	ire an output	to obta	in an	indication

SIGNALLING	Output active = dehumidification mode, output inactive = humidification mode.
GROUP DAY MODE OFF MODE	A group number can be assigned to one of the 2 day or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all the thermostats in the system.
	Pressing gives access to the group manager panel from which you car create or delete groups.

DEW POINT PARAMETERS

General Advanced		
✓ Dew point control enabled		
Send dew point on: O Time inter	val Dew point change	
5end dew point change:	0,1 ℃	Ŧ
Dew point hysteresis:	0,2 ℃	*
Cooled surface temperature:	20,0 °C	+

General

DEW POINT CONTROL ENABLED	this option is used to enable/disable dew point control.
SEND DEW POINT ON	Indicates the method for transmission of the temperature reading over the bus. These transmissions update the system managers as to the status (e.g. humidity readings). We recommend leaving this parameter set to the default value (5 minutes). TIME INTERVAL : the temperature reading will be sent at time intervals set in the "Send dew point interval" field. DEW POINT CHANGE : the temperature reading will be sent when there are changes equal to or greater than those set in the "Send dew point change" field.
DEW POINT HYSTERESIS	the dew point hysteresis allows control of cooling system activation/deactivation without continuous activation or deactivation of the machine. For example, with a hysteresis of 0.4°, if a dew point offset of 20°C is set, the function will activate at 20°C and deactivate at 19.6°C.
COOLED SURFACE TEMPERATURE	To calculate the dew point it's necessary to manually set the temperature reached by the cooling surface (floor) when the system is running can be set.
Advanced •••••	
ENABLE GROUP	you can assign an ENABLE GROUP and a DISABLE GROUP to the DEWPOINT function to activate or deactivate the function itself.
DIGABLE GHOOP	Pressing gives access to the group manager panel from which you can create or delete groups.
DEW POINT OVERCOMING SIGNALLING	a MODULE and an OUTPUT paired with the dew point function can be selected to show when the calculated limit has been exceeded. Pressing gives access to the group manager panel from which you can create or deleta groups

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T

Off group:

ICONA MANAGER 20003310W

MODULE INFORMATION

T

General	
System manager descriptio	n: Icona 50
Language:	Italiano -
System master slave:	Slave
Time sync master slave:	Slave
Alarm configuration	
✓ Enable alarm control pa	nel
Vedo device ID:	1
✓ Enable temperature/hu	midity sensor
Description:	IKONA
Address:	6
✓ Thermostat	Configure thermostat
✓ Humidity sensor	Configure humidity sensor
Dew point	Configure Dew point
✓ Message retransmission	1
Message retransmission System manager user i	nterface
Message retransmission System manager user i Use interface of: Loc	nterface a Comelt Hub
Message retransmission System manager user i Use interface of: Loc System manager elements:	n interface a Comelt Hub Configure system manager elements

General

SYSTEM MANAGER DESCRIPTION	enter a short description of the system manager to easily identify it within the project.
LANGUAGE	select the language for the system manager interface
SYSTEM MASTER / SLAVE	 the master device transmits the HOME AUTOMATION CONFIGURATION to the slave devices. By default, the first system manager to be added to the system will be the master. Only one of the system managers in the system may be set as the master, and all the remaining system managers must be set as slaves. The device will automatically be a slave if there is a Comelit Hub 20003150 in the system.
TIME SYNC MASTER / SLAVE	 The master device transmits the DATE AND TIME to the slave devices. By default, the system manager added to the system is a time sync slave. If there is a Comelit Hub 20003150 in the system, it will be the master device. Only one of the system managers in the system may be set as the master, and all the remaining system managers must be set as slaves. TIME SYNC master and SYSTEM master may be 2 different system managers. If there is no Comelit Hub 20003150 in the system we recommend setting Serial Bridge 20003101 as time sync master so that the date and time are updated automatically.

Alarm configuration

ENABLE ALARM CONTROL PANEL	select the ID of the device configured on the control panel.				
	S-series control panels are not compatible with Icona Manager				

Thermostat/humidity sensor

ENABLE TEMPERATURE/ HUMIDITY SENSOR	this function is used to enable/disable programming of the system manager's built- in temperature and humidity sensor
DESCRIPTION	you can enter a description of the sensor to facilitate its identification in the system manager
ADDRESS	assign an address on the bus to the sensor
THERMOSTAT Configure Thermostat *(1)	the tick box serves to enable/disable the thermostat function of the system manager. The CONFIGURE THERMOSTAT panel is used to set the parameters of the device's built-in thermostat to ensure its correct operation. (Further information on page 45)
HUMIDITY SENSOR Configure Humidity Sensor *(2)	the tick box serves to enable/disable the humidity sensor function of the system manager. The CONFIGURE HUMIDITY SENSOR panel is used to set the parameters of the device's built-in humidity sensor to ensure its correct operation. (Further information on page 46.)

DEW POINT	the tick box serves to enable/disable the dew point function of the system manager
CONFIGURE DEW POINT * ⁽³⁾	The CONFIGURE DEW POINT panel is used to set the specific parameters of the function. (Further information on page 47.)
MESSAGE RETRANSMISSION	this function can be used to resend the command in the event that the module under control does not respond. under normal conditions a single transmission is enough to control the output; if however the command is not received, the module will make a new attempt, up to a maximum of 3. we recommend that this function is always enabled to ensure greater security for the commands sent.

*^{fill} Configure thermostat - GENERAL

Icon	a thermostat				×
Ge	neral Winte	r mode	Summer mode	Advanced	
Sei	nd temperature	interval:	3	i00 s	*
Ter	mperature hyst	eresis:	C	1,2 ℃	-
Ter	mperature offse	:t:	0	0.0 °C	-
SEND	temperature /Al	indica tempe updat	tes the time in erature reading ov e the system man	terval in secor er the bus. Seno agers.	nds between each transmission of the ding these temperature readings serves to
TEMPE	RATURE RESIS	indica examp is set of 20° drops theref until t the te	tes the thermost ble, if this is set t to 20°C in winter C is reached. Afte below 19.6°C (20 ore if a setpoint of he temperature dr mperature exceed	at output activa o 4 tenths of a day mode, it w r switching off, i 1° C - 0.4°C). In 20° C is selected ops to 20° C. Afte s 20.4° C.	tition interval, in tenths of a degree. For degree (default value) and the thermostat iill activate the relay until the temperature t will be reactivated when the temperature summer mode, operation is reversed and d, the thermostat will activate cooling mode er switching off, it will be reactivated when
TEMPE OFFSE	rature T	if the differe latter, negati by def	temperature read ent to that display a correction coef ive), can be applie fault to 0.	ling taken in th ed by the therm ficient, measure d and added to	e room by another instrument is slightly ostat due to the installation position of the d in tenths of a degree (this can also be the actual temperature reading. This is set

*[1] Configure thermostat - WINTER/SUMMER MODE

General Winter mode Summer mode Advanced

Thresholds						
Day threshold:		20,0 °C				
^ Advanced						
Night threshold:		17,0 %				*
Empty threshold:		8,0 °C				-
Day group:		No gro	qu		•	
Night group:		No gro	up		•	
Empty group:		No gro	up			
Fan coil speed control		off	Digita	i O	Analogue	3 sper
DAY / NIGHT / EMPTY	select the setp applied	point and	the zone to which	the various ope	rating mod	es wi
DAY /	a zone number	can be a	ssigned to one of the	3 day, night or (off setpoint	s.
NIGHT/ OFF	This means it is	s possible	e, by closing a digital	input for examp	le, to selec	t the s

day /	a zone number can be assigned to one of the 3 day, night or off setpoints.
Night/ off	This means it is possible, by closing a digital input for example, to select the same
group	setpoint on all the humidity sensors in the system.

ADDRESS	enter the corresponding address used for activation of the thermostat control system in the selected mode $% \left({{{\rm{c}}} \right)_{\rm{c}}} \right)$
OUTPUT	enter the output used for activation of the thermostat control system in the selected mode $% \left[{{\left[{{{\rm{s}}} \right]}_{{\rm{s}}}}} \right]$
Fan Coil Speed Control	DIGITAL: set this option if you want to control a multi-speed convector heater which is connected to a module over the BUS. In this case the first 4 module outputs on the installed module will be reserved for this function. Set the number of the module you wish to use and specify which of the 3 speeds will be used. For example, if you select "Remote valve" and set the module number to 2, output 1 on module 2 will be used to enable and activate the temperature control machine, while outputs 2, 3 and 4 on module 2 will be used to control the 3 speed levels. Output 2 for speed level 1, output 3 for speed level 2 and output 4 for speed level 3.
	ANALOGUE: this parameter can be used to set the climate zone to control a multi- speed fan coil unit with a 0-10V analogue input. In this way the climate zone will send a speed control command to the analogue 0-10V output connected to the fan coil unit to control its operating speed. The analogue output control provides 3 speed settings, which can be set as required in the advanced menu, and which are selected on the basis of the difference between the temperature setting for the climate zone and the actual temperature reading for the room. The greater the difference, the greater the output voltage (0-10V). The temperature differences that trioner channes in speed can be set in the advanced settings

<u>* Configure thermostat - ADVANCED</u>

T

General Winter mode Summer mod	de [Advanced]	
Winter-summer signalling module:	Address: 1 • Output: Output 1	•
Day group:	No group	
Night group:	No group	•
Temperature change from speed 1 to 2:	1,5 ℃	-
Temperature change from speed 1 to 3:	2,0 °C	×
Speed 1:	10 %	-
Speed 2:	50 %	-
Speed 3:	100 %	*

WINTER-SUMMER SIGNALLING MODULE	this option can be used to configure an output to obtain an indication of the thermostat in \ensuremath{SUMMER} mode.
DAY GROUP NIGHT GROUP	a zone number can be assigned to one of the 3 day and night setpoints. This means it is possible, for example by closing a digital input, to set the same threshold on all thermostats or Minitouch devices in the system Pressing gives access to the group manager panel from which you can create or delete groups
TEMPERATURE CHANGE FROM SPEED 1 TO 2 and from 1 TO 3	these values indicate the temperature difference, in relation to the setpoint, required for activation of speed 1, 2 or 3.
SPEED 1 SPEED 2 SPEED 3	these values indicate the 3 speeds of the fan coil units in analogue mode expressed as a percentage.

*^[2] Configure humidity sensor - GENERAL

General	Dehumidifier	Humidifier	Advanced
Send humi	idity interval:	3	00 s
Humidity hysteresis:		5,	,0 %rh
Humidity o	offset:	0,	,0 %rh

send humidity Interval	indicates the time interval in seconds between each transmission of the setpoints and humidity settings over the BUS. These transmissions update the system managers as to the status (e.g. humidity readings). We recommend leaving this parameter set to the default value (5 minutes).
HUMIDITY HYSTERESIS	humidity hysteresis allows control of the humidification/dehumidification system without continuous activation or deactivation of the machine. For example, if you set a hysteresis of 5% and a humidity value of 60% for dehumidification, the dehumidifier will stop when the humidity reaches 55% (60% set value - 5% hysteresis) and restart when the value rises to 61%.
HUMIDITY OFFSET	if the humidity reading taken in the room by another instrument is slightly different to that displayed by the humidity sensor due to the installation position of the latter, a correction coefficient, measured in tenths of a degree (this can also be negative), can be applied and added to the actual humidity reading. This is set by default to 0.

_____ Configure humidistat - DEHUMIDIFIER / HUMIDIFIER

Thresholds				
Day threshold:	40 %rh			
 Advanced 				
Night threshold:	50 %rh			*
Day group:	No group		*	
Night group:	No group		-	
Off group:	No group		*	
Dutput command Dutputs:	Address: Not u	* Outputs:	Output 1, Output 2	*
				-

DAY THRESHOLD NIGHT THRESHOLD EMPTY THRESHOLD	select the setpoint and the zone to which the various operating modes will be applied
DAY GROUP NIGHT GROUP OFF GROUP	a zone number can be assigned to one of the 3 day, night or off setpoints. This means it is possible, for example by closing a digital input, to set the same operating mode on all humidifiers or Minitouch devices in the system.
ADDRESS	enter the corresponding address used for activation of the humidity control system in the selected mode
OUTPUTS	enter the corresponding output used for activation of the humidity control system in the selected mode
FAN COIL SPEED CONTROL	DIGITAL:set this option if you want to control a multi-speed unit connected to a module over the BUS. In this case the first 4 module outputs on the installed module will be reserved for this function. Set the address of the module you wish to use and specify which of the 3 speeds will be used.
	For example, if you select "Remote valve" and set the module number
	to 2, output 1 on module 2 will be used to enable and activate the unit, while outputs 2, 3 and 4 on module 2 will be used to control the 3 speed levels (output 2 for speed 1, output 3 for speed 2 and output 4 for speed 3).
	ANALOGUE: this parameter can be used to set the climate zone to control a multi-speed fan coil unit with a 0-10V analogue input. In this way the climate zone will send a speed control command to the analogue 0-10V output connected to the fan coil unit to control its operating speed. The analogue output control provides 3 speed settings, which can be set as required in the ADVANCED MENU, and which are selected on the basis of the difference between the temperature/humidity reading for the room. The greater the difference, the greater the output voltage (0-10V). The differences in temperature and humidity that trigger changes in speed can be set in the advanced settings.

*⁽²⁾ Configure thermostat - ADVANCED

THRESHOLDS

OUTPUT COMMAND

General Dehumidifier	Humidifier	[Advanced]			
Day group:		io group ~			
Night group:	1	No group +			
Humidity change from speed	d 1 to 2:	10 %rh +			
Humidity change from speed 1 to 3:		20 %rh *			
Speed 1:		10 % *			
Speed 2:		50 % *			
Speed 3:		100 %	×		
GROUP a zone number can be assigned to one of the 3 day and night setpoints. DAY GROUP NIGHT This means it is possible, for example by closing a digital input, to set the same operating mode on all humidifiers or Minitouch devices in the system. Pressing give group set of the group manager panel from which you can create or delete groups.					
TEMPERATURE CHANGE FROM SPEED 1 TO 2 and from 1 TO 3	these values indicate the temperature difference, in relation to the setpoint, required for activation of speed 1, 2 or 3.				
SPEED 1 - 2 - 3	these values as a perc	ues indicate the 3 speeds of the fan coil units in analogue n entage	node expressed		

REMOTE VALVE

*⁽³⁾ Configure dew point - GENERAL

I.

_

General Advanced		
Send dew point interval:	300 s	Ŧ
Dew point hysteresis:	0,5 ℃	-
Dew point offset:	20,0 °C	-

SEND DEW POINT INTERVAL	indicates the time interval in seconds between each transmission of the setpoints and settings over the BUS. These transmissions update the system managers as to the status (e.g. humidity readings). We recommend leaving this parameter set to the default value (5 minutes).
DEW POINT Hysteresis	the dew point hysteresis allows control of the humidification/dehumidification system without continuous activation or deactivation of the machine. For example, with a hysteresis of 0.4° , if a dew point offset of 20° C is set, the function will activate at 20° C and deactivate at 19.6° C.
DEW POINT OFFSET	indicates the temperature below which the function is automatically deactivated

*3 Configure dew point - ADVANCED

General Advanced			
Enable group:	No group	¥	
Disable group:	No group	-	
Output	Module: 1 Output: Output 3		

ENABLE GROUP DISABLE	You can assign an enable group and a disable group to the <i>Dew point</i> function to activate or deactivate the function itself.
GROUP	<i>Pressing gives access to the group manager panel from which you can create or delete groups.</i>
OUTPUT	You can select a MODULE and an OUTPUT to associate with the dew point function. Pressing gives access to the group manager panel from which you can create or delete groups.

System manager user interface

System manager user interface				
✓ Use interface of: Lo	a Comelit Hub 👻			
System manager element	Configure system manager elements			
Rooms:	Sort rooms			

USE INTERFACE OF	 it is possible to select a system manager from which to import the user interface, or to deselect the flag and configure the system manager manually. This function can only be activated when there are at least 2 system managers in the system. by default, the system manager uses the interface for the first system manager (<i>default master</i>) entered in the system.
CONFIGURE SYSTEM MANAGER ELEMENTS *	from this menu you can select which elements to view and manage via the system manager. OUTPUTS / INPUTS / CONSUMPTION / CLIMATE / SCENARIOS / RULES (Further information on page 47.)
SORT ROOMS	 the menu can be used to change the order in which rooms are displayed on the system manager. Remove the flag from Use order from physical view, select the desired room, move it up/down using the arrows, then confirm or cancel the procedure. The order cannot be changed directly if using the interface for another system manager.

*Configure system manager elements - OUTPUTS

Ovpute Inputs Consumption Climate Scenarios Rules

vible	Description	Room		Type	Module	Durput.	System manager function	Protect	٩.,
	Luce 2-1 temp	Cuona		Digital output	20046604 (SE40 16A) 2 - 2	1	Light.		
4	Luce 2-2 temp	Cuona		Digital output	20046604 (SE40 16A) 2 - 2	- 2	Light		
4	Luce 2-3 temp	Cucha		Digital output	20046604 (5E40 16A) 2 - 2	3	Light		
4	Luce 2-4 temp	Cutina		Digital output	20046604 (SE40 16A) 2 - 2	- 4	Light		
2	14-1 mono	Cucina	-	Digital output	20046604 (SI40 16A) 14-14	1	Watering		
2	14-2 mono	Cuona	-	Digital output	20046604 (SI40 36A) 14 - 14	2	Watering		
7	14-3 mono	Cuona		Digital output	20046604 (SI40 16A) 14 - 14	3	Watering		
¥}	14-4 mono	Cucina		Digital output	20046604 (SI40 16A) 14 - 14	4	Watering		
0	Altro 18-1 temp	Cucina		Digital output	20046604 (SE40 16A) 18 · 18	1	Other		
6	Altro 18-2 temp	Cucina		Digital output	20046604 (SI40 16A) 18 - 18	2	Other		
2	Altro 18-3 temp	Cucina		Digital output	20046604 (3140 16A) 18 - 18	3	Other		
8	Altro 18-4 temp	Cucina		Digital output	20046604 (ST40 16A) 18 - 18	- 4	ôther .		
6	Tapparella 21-1	Cuona		Digital output	20046604 (SI40 16A) 21 - 21	1	Bind		
1	Tapparella 21-3	Cuone		Digital output	20046604 (5140 16A) 21 - 21	3	6Ind		
1	Modulo 3 out1	Sala da pranto		Digital output	20046605 (9080 6A) 3 - 3	1	Light		
1	Modulo 3 out2	Sala da pránzo		Digital output	20046605 (9380 6A) 3 - 3	2	Light		
1	Modulo 3 out3	Sala da pranzo		Digital output	20046605 (959O 6A) 3-3	3	Light		
4	Modulo 3 out+	Sala de prenza		Digital output	20046605 (3080-64) 3 - 3	4	Light		
2	Modulo 3 out5	Sala da pranzo		Digital output	20046635 (9880 64) 3 - 3	.5	Light		
1	Modulo 3 outó	Sala da pranzo		Digital output	20046605 (9080 6A) 3 - 3	6	Light		
1	Modulo 3 put7	Sala da pranzo		Digital output	20046605 (909O 6A) 3 - 3	7	Light		

Only the OUTPUTS associated with the *Physical view* are visible

VISIBLE	the selected OUTPUTS will be displayed on the system manager. Select them using flags.
DESCRIPTION	the element description can be customised. » the new description will also be updated on the system manager.
ROOM	you can select the room to which the output is to be linked.
TYPE	displays the output type (analogue or digital)
MODULE	displays a description of the module for the relevant output
OUTPUT	displays the module channel
SYSTEM MANAGER FUNCTION	displays the category to which the relevant output belongs (light, automation, blind, irrigation, other)
SET OUTPUT OUTPUT	to use the Conditioned Output function, at least one input on one of the digital modules installed must be set as system manager. The conditioned output makes it possible to stop the timers set for that output on the system manager, according to the status of an input on a digital module set as system manager. Conditioning is activated by Icona Manager / Planux Manager / Minitouch.
CONDITIONED	the column visually displays the conditioning status of the outputs by means of a flag (present for conditioned outputs) $% \left(\frac{1}{2}\right) =0$
PROTECTED	this function can be used to protect the selected outputs in that a password will be required before their ACTIVATION or DEACTIVATION via system manager
*Configure system	m manager elements - INPUTS
VISIBLE	the selected INPUTS will be displayed on the master home automation system manager or the system manager associated with the home automation master. Select, using the flags.
DESCRIPTION	the element description can be customised. » the new description will also be updated on the system manager.
ROOM	you can select the room to which the input is to be linked.
SCENARIO ACTIVATION	you can activate/deactivate the function by selecting $\ensuremath{\text{ON/OFF}}$ from the drop-down menu
SCENARIO DESCRIPTION	you can enter a description of the selected scenario
ТҮРЕ	displays the input type (virtual or digital) Only the digital inputs set with the <i>System manager</i> function will be displayed
MODULE	displays a description of the module for the relevant input
INPUT	displays the module channel
*Configure system	m manager elements - CONSUMPTION
VISIBLE	the selected devices will be displayed on the master home automation system manager or the system manager associated with the home automation master.
DESCRIPTION	the element description can be customised. the new description will also be updated on the system manager.
TYPE	displays the type of load control device (Load module or Meter input)
MODULE	displays a description of the relevant module
MODULE FUNCTION	displays the function set for the module (<i>Consumption</i> or <i>Production</i>). A module set as PRODUCTION, of the LOAD MODULE type, will automatically generate the CO2 graph on the system manager. The CO2 graph will always be displayed.
INPUT	displays the module channel
GROUP	this function allows you to group together a number of meters of the same type (e.g. <i>Electricity consumption meters</i>) in a single group so that they can all be displayed graphically as a single meter.
	Pressing Gruppi gives access to the group manager panel from which you can create or delete groups. When a group is created, the corresponding graph will be generated automatically on the system manager. The Group graph will always be displayed.
COMPARE	this function allows you to compare and view a graph showing the consumption and production data for the selected TAs on the system manager. Select the TA set as <i>Production</i> and one of the TAs set as <i>Consumption</i> . The <i>Compare</i> graph will always be displayed.

*Configure system manager elements - CLIMATE

Outputs Inputs Consumption Climate Scenarios Rules

				Heater	g knits	Coolin	g limits	Module infor	mators			
Voble	Description	Room		Mn	Max	Min	Max	Module	Input	Type	vie	u only
4	MISU HEAC	Case 1	-	540	30 °C	5 °C.	30 °C	Modbus HIVAC interface 1 - 8	1	HVAC thermostat		
4	Termo 3901sA	Casa 1		5 °C	30 °C	5.40	30 °C	D(0PiA - 13		Scoria humidistat		
1	Sonds 25 ingr.2	Casa 1		5 °C	30 °C	5 ℃	30 °C	20046707 (21) 42 - 42	2	Analogue input		
4	Sonda 21 ingr.1	Cesa 1		5 %	30 °C	5.40	30 °C	20046707 (21) 42 - 42	1	Analogue input		
1	Smile 4140	Casa 1		5 °C	30 °C	5 °C	30 °C	20004140 (Termo,lumidostato) 43 - 43	1	Humidity sensor input		
1	PT 100	Casa 1	+	5.5	30 ℃	5 °C	30 °C	20004140 (Termo,lumidostato) 43 - 43	2	Thermostat input		
1	Nasello temp 4100	Cese 1		5 °C	30 °C	5 °C	30 °C	2000-4100 (Termostato) 44 - 44		Thermostat module		
1	Nasello con Una 4120	Casa 1		5 °C	30 °C	5 °C	30 °C	20004120 (Termo/Limidostato) 45 - 45		Hunidity sensor module		
5	Rotella 20046709	Casa 1		5.40	30 °C	5.40	30 °C	20046709 (Termostato) 46 - 46		Thermostat module		
4	TERM_ONE	Case 1	٠	5 %	30 °C	5 °C	30 %	ONE (One) 48 - 48		Thermostat One		
4	Mintouch	Cese 1		5 %	30 °C	5*C	30 %	Termostato Minitouch + 49		Mintouch thermostat		
121	Termostato Joona			5 10	30 °C	5 %	30 °C	Termostato Scona - 53		Icona humidistat		

VISIBLE	the selected CLI Select, using the	the selected CLIMATE ELEMENTS will be displayed on the system manager. Select, using the flags.		
DESCRIPTION	the element descript	the element description can be customised. the new description will also be updated on the System manager.		
ROOM	you can select th	you can select the room to which the climate element is to be linked.		
HEATING LIMITS	you can change	you can change the heating setpoint regulation limits from the system manager.		
COOLING LIMITS	you can change	the cooling setpoint regulation limits from the system manager.		
MODULE INFORMATION	MODULE	Displays a description of the module for the relevant climate device.		
	INPUT	Displays the relevant module channel for art. 20003400.		
	TYPE	Displays the type of climate device.		
VIEW ONLY	this function allo to send comman	ws you to set the view only element, it will not therefore be possible ds from the system manager		

*Configure system manager elements - SCENARIOS

VISIBLE	the selected <i>scenarios</i> will be displayed on the system manager. Select, using the flags. These scenarios cannot be changed from the system managers
DESCRIPTION	the element description can be customised.

*Configure system manager elements - RULES

	· · · · · · · · · · · · · · · · · · ·
VISIBLE	the selected <i>rules</i> will be displayed on the system manager. Select, using the flags. The rules can be enabled/disabled from the system manager.
DESCRIPTION	the element description can be customised. » the new description will also be updated on the system manager.

MINITOUCH 20034607

MODULE INFORMATION

Cancel

General				
System manager descripti	n: Minitouch 49			
Language;	Italiano -			
System master slave:	Slave -			
Time sync master slave:	Slave			
Alarm configuration				
Alarm control panel type:	Not used +			
Alarm zones and areas:	Configure alarm zones and areas			
Thermostat		í l		
Enable thermostat				
Description:	Termostato Minitouch			
Address:	49 *			
Thermostat:	Configure thermostat			
VSTEM MANAGER	n enter a short description of the system manager to e	asily identify it within th		
	project.			
YSTEM MASTER / LAVE	the master device transmits the HOME AUTOMATION CONFIGURATION to the slave devices. • By default, the first system managers to be added to the system will be the master • Only one of the system managers in the system may be set as the master, and al the remaining system managers must be set as slaves. • The device will automatically be a slave if there is a Comelit Hub 20003150 in the system.			
ME SYNC MASTER Slave	he master device transmits the DATE AND TIME to the s by default, the system manager added to the system is if there is a Comelit Hub 20003150 in the system, it w Only one of the system managers in the system may b the remaining system managers must be set as slave. TIME SYNC master and SYSTEM master may be 2 diff if there is no Comelit Hub 20003150 in the system we Bridge 20003101 as time sync master so that the d	lave devices. is a time sync slave. ill be the master device. e set as the <i>master</i> , and s. erent system managers. recommend setting Seria te and time are update		

ALARM CONTROL	select the type of alarm control panel installed in the system:
PANEL TYPE	S32 / S40 / S88 / S88F / S88R / S200 / VED010 / VED034 / VED068 / VED0200
Alarm Zones and areas	for S series control panels, alarm zones and areas must be configured using the dedicated function: add areas, select wired zones / wireless zones used, pair zones and areas

Thermostat

ENABLE THERMOSTAT	the tick box serves to enable/disable the thermostat function of the system manager.
DESCRIPTION	you can enter a description of the sensor to facilitate its identification in the system manager.
ADDRESS	assign an address on the bus to the sensor.
CONFIGURE THERMOSTAT ^{*(1)}	defines the parameters of the device's built-in thermostat to ensure its correct operation.
MESSAGE RETRANSMISSION	this function can be used to resend the command in the event that the module under control does not respond. under normal conditions a single transmission is enough to control the output; if however the command is not received, the module will make a new attempt, up to a maximum of 3. we recommend that this function is always enabled to ensure greater security for the command's sent

* <u>Configure thermostat - GENERAL</u>

Send Ten	IPERATURE	indicates the temperature re update the syst	time interval in seconds ading over the bus. Sending em managers.	between each transmission of the g these temperature readings serves to	
Temperati	ure offset:	0.	0 °C	•	
Temperat	ure hysteresis:	0,	0,2 °C		
Send temp	erature interval:	3	0 s	÷	
General	Winter mode	Summer mode	Advanced		

if the temperature reading taken in the room by another instrument is slightly different to that displayed by the thermostat due to the installation position of the latter, a correction coefficient, measured in tenths of a degree (this can also be negative), can be applied and added to the actual temperature reading. This is set by default to 0.

*(1) Configure thermostat - WINTER/SUMMER MODE

General Winter mode Summer mode Advanced

T

OFFSET

Day threshold:	20,0 °C			
 Advanced 				
Night threshold:	17,0 1	c		
Empty threshold:	8,0 °C			÷
Day group:	No gro	чр	-	
Night group:	No gro	a ili	•	111
Empty group:	No gro	up	•	
Remote valve				
Dutputs:	Address:	2 - Outputs:	Output 1, Output 2	•
✓ Fan coil speed control				
Local outputs				
	•		i.	
Fan col speed:	1 speed	.2 s	need	3 spe

SOLOF	DAY / NIGHT / EMPTY THRESHOLD	select the setpoint and the zone to which the various operating modes will be applied
THRESI	day / Night / Off Group	a zone number can be assigned to one of the 3 day, night or off setpoints. This means it is possible, by closing a digital input for example, to select the same setpoint on all the thermostats in the system.
	ADDRESS	enter the corresponding address used for activation of the temperature control system in the selected mode $% \left({{{\rm{c}}} {{\rm{c}}} {{c$
	OUTPUT	enter the corresponding output used for activation of the temperature control system in the selected mode $% \left[{\left({n_{\rm s}} \right)_{\rm s}} \right]$
REMOTE VALVE	FAN COIL SPEED Control	DIGITAL: set this option if you want to control a multi-speed convector heater which is connected to a module over the BUS. In this case the first 4 module outputs on the installed module will be reserved for this function. Set the number of the module you wish to use and specify which of the 3 speeds will be used.
		For example, if you select "Remote valve" and set the module number to 2, output 1 on module 2 will be used to enable and activate the temperature control machine, while outputs 2, 3 and 4 on module 2 will be used to control the 3 speed levels. Output 2 for speed level 1, output 3 for speed level 2 and output 4 for speed level 3.
	LOCAL OUTPUTS	Enable this function to use the built-in Minitouch outputs to control solenoid valves or fan coil units

System manager user interface ·····

System manager u	ser interfa	ace	
Use Interface of: Loca Comelit Hub System manager elements: Configure system manager ele Rooms: Sort rooms		elit Hub	
		Configure system manager elements Sort rooms	

USE INTERFACE OF	 it is possible to select a system manager from which to import the user interface, or to deselect the flag and configure the system manager manually. This function can only be activated when there are at least 2 system managers in the system. by default, the system manager uses the interface for the first system manager (<i>default master</i>) entered in the system.
CONFIGURE System Manager Elem.	from this menu you can select which system manager elements to view and manage via the system manager. OUTPUTS/INPUTS/CONSUMPTION/CLIMATE (Further information on page 39.)
SORT ROOMS	 the menu can be used to change the order in which rooms are displayed on the system manager. Remove the flag from <i>Use order from physical view</i>, select the desired room, move it up/down using the arrows, then confirm or cancel the procedure. The order cannot be changed directly if using the interface for another system manager.

SERIAL BRIDGE 20003101

MODULE INFORMATION

Module information		General		
nputs	^	System manager description:	Bridge	
Inputs		System master slave:	Slave	
		Time sync master slave:	Slave	
		Alarm configuration		
		Alarm control panel type:	Not used	
		Alarm zones and areas:	Configure alarm zones and areas	
		System manager user inte	erface	
		Use interface of: Loca C	omelit Hub	
		System manager elements:	Configure system manager elements	
		Rooms:	Sort rooms	

SYSTEM MANAGER DESCRIPTION	enter a short description of the system manager to easily identify it within the project.
SYSTEM MASTER / SLAVE	 The master device transmits the HOME AUTOMATION CONFIGURATION to the slave devices. By default, the first system manager to be added to the system will be the master. Only one of the system managers in the system may be set as the master, and all the remaining system managers must be set as slaves. The device will automatically be a slave if there is a Comelit Hub 20003150 in the system.
TIME SYNC Master / Slave	The master device transmits the DATE AND TIME to the slave devices. • By default, the system manager added to the system is a time sync slave. • If there is a Comelit Hub 20003150 in the system, it will be the master device. • Only one of the system managers in the system may be set as the master, and all the remaining system managers must be set as <i>slaves</i> . • TIME SYNC master and SYSTEM master may be 2 different system managers. If you choose to set Serial Bridge 20003101 as time sync master, you will need to select
	"enable NTP" in "Setup_Date and Time" as illustrated in the programming manual for art. 20003101, available on the website pro.comelitgroup.com; otherwise if you set Serial Bridge 20003101 as a time sync slave you will need to deselect it.
ALARM MASTER SLAVE	set the system manager as master or slave for the ALARM part of the system.

Alarm configuration

ALARM CONTROL PANEL TYPE	select the type of alarm control panel installed in the system: S32 / S40 / S88 / S88F / S88R / S200 / VED010 / VED034 / VED068 / VED0200
alarm Zones and Areas	 For S series control panels, alarm zones and areas must be configured using the dedicated function: add the areas select the wired zones/wireless zones used associate the zones and areas

System manager user interface

USE INTERFACE OF	 it is possible to select a system manager from which to import the user interface, or to deselect the flag and configure the system manager manually. This function can only be activated when there are at least 2 system managers in the system. by default, the system manager uses the interface for the first system manager (default master) entered in the system. 	
CONFIGURE System Manager Elements*	from this menu you can select which system manager elements to view and manage via the system manager. OUTPUTS / INPUTS / CONSUMPTION / CLIMATE (Further information on page 39.)	
SORT ROOMS	the menu can be used to change the order in which rooms are displayed on the system manager. • Remove the flag from <i>Use order from physical view</i> , select the desired room, move it up/down using the arrows, then confirm or cancel the procedure. The order cannot be changed directly if using the interface for another system manager. • Rooms • Roo	

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COMELIT HUB 20003150

MODULE INFORMATION

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Information	Α.	Module information		
Module information Settings	^	General		
General settings		System manager description:	Comelt Hub 1	
Alarm settings		Туре	20003150 (Cornelit Hub)	
VP settings		System master slave:	Master	
Music settings		Time sync master slave:	Master	
Scenarios	*			
Rules	¥	App user interface		
Virtual outputs	*	System manager elements:	Configure system manager elements	
		Rooms:	Sort rooms	

General

SYSTEM MANAGER DESCRIPTION	Enter a short description of the system manager to easily identify it within the project and while pairing it with the Comelit app.
TYPE	this parameter shows the product name and code
SYSTEM MASTER SLAVE	The <i>master</i> device transmits the home automation configuration to the <i>slave</i> devices. Comelit Hub is always the system master.
TIME SYNC MASTER SLAVE	The <i>master</i> device transmits the DATE AND TIME to the <i>slave</i> devices. Comelit Hub is always the <i>time sync</i> master.

App user interface

Configure System Manager Elements	the menu can be used to select which elements to view and manage via the Comelit app and via the system managers utilising the user interface for the module. OUTPUTS / INPUTS / CONSUMPTION / CLIMATE / SCENARIOS / RULES (Further information on page 47.)
ROOMS	the menu can be used to change the order in which rooms are displayed on the system manager and in the Comelit app. • Remove the flag from <i>Use order from physical view</i> , select the desired room, move it up/down using the arrows, then confirm or cancel the procedure. • Rooms

SETTINGS

General	 	• • •	 • • • •	 	 	

Access			
Username:	Locadmin	Password: ADMIN1	
Coordinate	25		
Latitude:		45,87063 🖕 Longitude:	10,20298 🗘

ESS	USERNAME	Enter a username for login via app and system managers. (Default: admin)
ACC	PASSWORD	Enter a password for login via app and system managers. (Default: admin)
ITES	LATITUDE	Enter the geographical coordinates for the module installation site.
*COORDINA	LONGITUDE	Enter the geographical coordinates for the module installation site.

*Parameters required to use the Twilight function in Rules.

Communication with the Vedo alarm control panel requires suitable configuration using the Safe Manager software.

Alarm

Compatible Vedo control panels: VED010 - VED034 - VED068 - VED0200 version 2.10.X - VED0 IP version 2.7.X

The Import Safe option automatically imports the required parameters from Safe Manager.

✓ Enable alarm Vedo device ID:	1 - V	edo device password:	•	
Local IP address:	192.168.1.230	Port	: 10012	
	Import	Safe		
ENABLE ALARM	Click in the box to allow	communication with	the alarm system.	
VEDO DEVICE ID	Enter the device ID as s	et in Safe Manager.		
VEDO DEVICE PASSWORD	Enter the device passw	ord as set in Safe Ma	nager.	
LOCAL IP ADDRESS	Enter the local IP add communicate.	ress of the alarm co	ontrol panel with which	you want to
PORT	Enter the local commun	ication port for the co	ontrol panel as set in Safe	e Manager.
IMPORT SAFE	Click "Import Safe" to project form the Safe M system actions into sce	automatically recove anager database. This narios and home auto	er the required data by s option allows the integr omation rules.	importing the ation of alarm

VIP	
ViP settings	
ENABLE VIP	This option is used to enable/disable video entry system management using the Comelit app via Comelit Hub.

Music

\checkmark	Enable music				
1	Music server				
-	öerver IP address:	172.25.82.99		Port:	9000
1	Jsername:	admin	Password:	a	dmin
	ENABLE MUSIC	this option is u and the audio	used to enable/di distribution serve	sable commur r module.	nication between Comelit Hub
TER.	SERVER IP ADDRESS	Enter the IP a manage.	ddress of the au	dio distributior	n server module you want to
SIC SERV	PORT	Enter the comm want to manag	nunication port co ge.	onfigured on th	e audio distribution server you
MU	USERNAME	Enter the user to manage.	name configured	I on the audio	distribution server you want
	PASSWORD	Enter the pass manage.	word configured	on the audio d	istribution server you want to

SCENARIOS

Scenario is the function used to send a sequence of commands via BUS. The scenario can send commands to home automation systems and alarm systems; a delay can be set between these actions. Scenarios can be executed manually or automatically.

Executed manually or automatically. For example, the scenario command can be used to switch off all the lights in the home, close the blinds, deactivate controlled sockets, etc. with a single command.

Comelit Hub can be used to manage up to 100 scenarios.

DES	CRIPTION	enter a short description of the Comelit app and on system man	scenario to easily identify it within the project, in the nagers.
	PHYSICAL Element	OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds
		ELEMENT TYPE The options depend on the functions created in <i>Physical</i> <i>view</i> .	Choose between: LIGHT / CLIMATE / AUTOMATION / IRRIGATION / BLIND / OTHER
		PHYSICAL ELEMENT The options depend on the functions created in <i>Physical</i> <i>view</i> .	select from the available elements. (Example Light1, Light2)
		COMMAND The options depend on the selected element.	choose from the available options

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MODULE Input/Outputs not associated with any system element can be entered directly. If the desired input/ output has already been associated with an element, you will need to use "System element" as "Target type"	COMMAND TYPE Select the command to send to the group.	Choose between: NORMAL the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time. If you send a normal command to an output set as Step by Step, the output inverts its status. SET the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the nodule sends a "force OFF" command and the output is activated and will remain active until a new command is sent. The RESET command does not affect outputs as the activative regardless of the programming, remaining inactive until a new command is sent. The RESET command does not affect outputs set as "Blind" or "Venetian blind". For example, if you want to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive ACTIVATE ANALOGUE OUTPUT the module sends the activation command to the set analogue output, bringing the output to the last value set temporarily. DEACTIVATE ANALOGUE OUTPUT the module sends the off command to the set analogue output, bringing the output to the last value set temporarily. DEACTIVATE ANALOGUE OUTPUT the module sends the off command to the set analogue output, bringing the output to the last value set temporarily. DEACTIVATE ANALOGUE OUTPUT the module sends the off command to the set analogue output, bringing the output to the last value set temporarily. DEACTIVATE ANALOGUE OUTPUT the module sends the off command to the set analogue output,
	OUTPUT Time interval between the execution of the set action and the previous action. TARGET PROPERTIES	enter a value expressed in hours/minutes/seconds. Select the address of the module and the relevant output you wish to control. Pressing gives access to the module manager panel from which you can select the output.
GROUP	COMMAND TYPE Select the command to send to the group.	Choose between: NORMAL the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time. If you send a normal command to an output set as Step by Step, the output inverts its status. SET the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received RESET the module sends a "force OFF" command and the output is then deactivated regardless of the programming, remaining inactive until a new command is sent. The RESET command does not affect outputs set as "Blind" or "Venetian blind". For example, if you want to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive SET ANALOGUE VALUE this command can be used to control an analogue output on a module. For example, the output of dimmer 2004651 choreing alex of the output of dimmer 20046551 choreing alex of a value way

			SET RGB COLOUR this command can be used to control an output of the module 20004600 configured as RGB to adjust the colour and brightness.
		OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds.
		GROUP	Select the group to associate with the action.
			Pressing gives access to the group
			manager panel* from which you can create or delete groups.
S	CENARIO	COMMAND TYPE Select the command to send to the scenario.	Choose between: START SCENARIO / STOP SCENARIO
		SCENARIO	select the scenario you want to control.
		OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds.
A	LARM	Actions available if Import Safe	command is executed in the Alarm Settings section.
C a fi	Option only wailable in the irst scenario	COMMAND TYPE Select the command to send to the alarm control panel.	Choose between: ALARM AREAS / ALARM SCENARIO
a	action.	ALARM AREA COMMANDS Option available if Command type - Alarm areas is selected.	choose from the available options. (areas and commands for areas configured on the alarm control panel)
		ALARM SCENARIO Option available if Command type - Alarm scenario is selected.	choose from the available options. (scenarios configured on the alarm control panel)
R	IULE ENABLE	COMMAND TYPE Select the command to send to the rule.	Choose between: ENABLE RULE / DISABLE RULE
		RULE	select the rule you want to control.
		OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds
V	/iP	COMMAND TYPE	Choose between: ACTUATOR MODULE ACTIVATION / LOCK- RELEASE RELAY / FLOOR DOOR CALL
		OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds
		VIP ADDRESS Option available if "Actuator module activation_Lock- release relay" is selected.	enter the address of the ViP module you want to control.
		EXPANSION Option available if Actuator module activation is selected.	choose the ViP actuator module / ViP expansion you want to control.
		OUTPUT Option available if Actuator module activation is selected.	choose the ViP actuator module / ViP expansion output you want to control.
		RELAY Option available if "Lock- release relay" is selected.	choose the relay you want to control.

RULES

Rule is the action that must be carried out automatically when the specified *conditions* arise. Comelit Hub can be used to manage up to 100 rules.

Example: You want to activate the output controlling the boiler when one of the outputs connected to the zone valve is active; you want to deactivate it when all the outputs controlling the zone valves are inactive.

To do so, a rule must be created with: • OR operator • as many conditions as there are solenoid valves, entering the ON status for each of the outputs • set the boiler output activation command as *True rule action* • set the boiler output deactivation command as *False rule action*

Rule settings

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Rule settings	
Send actions on r	eboot
SEND ACTIONS ON RESTART	the parameter defines how the rules should be evaluated when Comelit Hub starts up or after a configuration has been sent. When the flag is enabled (default condition), at the end of the condition evaluation process, the relevant actions will be carried out in accordance with the rule status (True or False). When the flag is disabled, the conditions are evaluated but no action is sent until the first time one of the entered conditions changes.
RULE DESCRIPTION	enter a short description of the rule to easily identify it within the project, in the Comelit app and on system managers

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ULE OPERATOR	AND: the command takes place automatically when all the conditions arise at t same time OR: the command takes place automatically when at least one (or more) of the conditions arises
ule conditions	
pending on whether the	he AND or OR option is selected, the occurrence of one or more of the <i>condition</i>
pending on whether th ger the activation of the	he AND or OR option is selected, the occurrence of one or more of the <i>condition</i> he specified <i>rule</i> .
pending on whether th ger the activation of th ter one or more conditi	he AND or OR option is selected, the occurrence of one or more of the <i>condition</i> he specified <i>rule</i> .
pending on whether th gger the activation of the ter one or more condition Rule description:	he AND or OR option is selected, the occurrence of one or more of the <i>condition</i> he specified <i>rule</i> . ions by clicking Add, click Remove to remove the selected condition.
pending on whether th ger the activation of the ter one or more condition Rule description: Rule operator:	he AND or OR option is selected, the occurrence of one or more of the <i>condition</i> he specified <i>rule</i> . ions by clicking Add, click Remove to remove the selected condition. Crepuscolare giorno OR (one or more conditions verified)

	Condition	Description	Source type	Source description	
÷	1	Descrizione condizi	Astronomical	Day	
	Add	Remove			
Con	ndition 1	Descripto	e conditione		
_	cription:	Descrizio			_
Тур	e:	Sche	 Subtype: 	Astro	
Stat	us;	Day			-
Vari	ation:	Defer	red (Advance	
TOIL					
Time	8:	02:00:00			

CONDITION		the conditions are numbered progressively.		
DESCRIPTION		enter a short description identifying the condition.		
	PHYSICAL Element	SUBTYPE The options depend on the functions created in <i>Physical view</i> .	Choose between: LIGHT / CLIMATE / AUTOMATION / IRRIGATION / BLIND / BUTTON / OTHER	
		PHYSICAL ELEMENT The options depend on the functions created in <i>Physical view</i> .	select from the available elements (Example Light1, Light2)	
		STATUS The options depend on the selected element.	choose from the available options	
	I/O DIGITAL	SUBTYPE	Choose between: DIGITAL INPUT / DIGITAL OUTPUT	
		ADDRESS	enter the address of the module relating to the input/ output to take into account	
		INPUT/OUTPUT	enter the input/output to take into account	
		STATUS	choose from the available options	
	I/O ANALOGUE	SUBTYPE	Choose between: ANALOGIUE INPUT / ANALOGUE OUTPUT	
		ADDRESS	enter the address of the module relating to the input/ output to take into account	
		INPUT/OUTPUT	enter the input/output to take into account	
		STATUS	choose from the available options	
	ALARM Option only	SUBTYPE	Choose between: AREA / ZONE	
	available if Alarm	STATUS	choose from the available options:	
TYPE	management is enabled in Comelit Hub		AREA TEST ARMED / DISARMED OPEN ZONE / / ALARM / ENTRANCE CLOSED ZONE DELAY / EXIT DELAY / PRE-ALARM	
		AREA / ZONE	choose from the available options.	
	ViP	SUBTYPE	Choose between: EXTERNAL CALL / INTERCOMMUNICATION CALL / FLOOR DOOR CALL / ALARM CALL	

SCHEDULING	SUBTYPE	Choose between: TIME SPAN / WEEK DAYS TWILIGHT	/ ASTRONOMICAL
	STATUS The options depend on the selected subtype.	choose from the available of TIME SPAN: INSIDE TIME SPAN/OUTSI enter the start time and en	options: DE TIME SPAN d time of the interval
		choose from the available of WEEK DAYS select the days of the week condition	options: < to be included in the
		choose from the available of ASTRONOMICAL TWILIGH DAY/NIGHT you have the option of enter advance variation to the se	options: T ering a deferred or lected status
OTHER RULE select Other	SUBTYPE	Choose between: RULE RESULT / RULE ENA	BLE
<i>rule</i> to add	add STATUS	choose from the available	options:
a previously created rule to the conditions	The options depend on the selected subtype.	RULE RESULT RULE TRUE RULE FALSE	Rule Enable Rule Enabled / Rule Disabled
	RULE	Select the rule to assess w	ithin the condition.

True rule action

ACTION

True rule is the command that will be carried out automatically when the conditions in the Rule conditions section arise.

ACTION		enter one or more actions by clicking Add; the actions are numbered progressively Click Remove to remove the selected action.		
DESCRIPTION		enter a short description of the	Action	
		'		
PHYSICAL Element	PHYSICAL Element	OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds	
		ELEMENT TYPE The options depend on the functions created in <i>Physical</i> <i>view</i> .	Choose between: LIGHT / CLIMATE / AUTOMATION / IRRIGATION / BLIND / BUTTON / OTHER	
		PHYSICAL ELEMENT The options depend on the functions created in <i>Physical</i> <i>view</i> .	select from the available elements. (Example Light1, Light2)	
		COMMAND The options depend on the selected element.	choose from the available options	
	MODULE Input/Outputs not associated with any system element can be entered directly. If the desired input/ output has already been associated with an element, you will need to use "System element" as "Target type"	COMMAND TYPE Select the command to send to the group.	Choose between: NORMAL the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time. If you send a normal command to an output set as Step by Step, the output inverts its status. SET the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received	
TARGET TYPE			RESET the module sends a "force OFF" command and the output is then deactivated regardless of the programming, remaining inactive until a new command is sent. The RESET command does not affect outputs set as "Blind" or "Venetian blind". For example, if you want to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive ACTIVATE ANALOGUE OUTPUT the module sends the activation command to the set analogue output, bringing the output to the last value set temporarily. DEACTIVATE ANALOGUE OUTPUT the module sends the off command to the set analogue output. SET ANALOGUE VALUE this command can be used to control an analogue output on a module. For example, the output of dimmer 20046851, choosing also the value you	

			SET RGB COLOUR this command can be used to control an output of the module 20004600 configured as RGB to adjust the colour and brightness.
		OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds.
		TARGET PROPERTIES	Select the address of the module and the relevant output you wish to control.
			Pressing gives access to the module manager panel from which you can select the output.
	GROUP	COMMAND TYPE Select the command to send to the group.	Choose between: NORMAL the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time. If you send a normal command to an output set as Step by Step, the output inverts its status.
PE			SET the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received
			RESET the module sends a "force OFF" command and the output is then deactivated regardless of the programming, remaining inactive until a new command is sent. The RESET command does not affect outputs set as "Blind" or "Venetian blind". For example, if you want to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive
TARGET			SET ANALOGUE VALUE this command can be used to control an analogue output on a module. For example, the output of dimmer 20046851, choosing also the value you wish to set.
			SET RGB COLOUR this command can be used to control an output of the module 20004600 configured as RGB to adjust the colour and brightness.
		OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds.
		GROUP	Select the group to associate with the action.
			Pressing gives access to the group manager panel* from which you can create or delete groups.
	SCENARIO	COMMAND TYPE Select the command to send to the scenario.	Choose between: START SCENARIO / STOP SCENARIO
		SCENARIO	select the scenario you want to control.
		OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds.
	ALARM	Actions available if Import Safe	command is executed in the Alarm Settings section.
	Option only available in the first scenario	COMMAND TYPE Select the command to send to the alarm control panel.	Choose between: ALARM AREAS / ALARM SCENARIO
	action.	ALARM AREA COMMANDS Option available if Command type - Alarm areas is selected.	choose from the available options. (areas and commands for areas configured on the alarm control panel)
		ALARM SCENARIO Option available if Command type - Alarm scenario is selected.	choose from the available options. (scenarios configured on the alarm control panel)
	RULE ENABLE	COMMAND TYPE Select the command to send to the rule.	Choose between: ENABLE RULE / DISABLE RULE
		RULE	select the rule you want to control.
		OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds

VIP	COMMAND TYPE	Choose between: ACTUATOR MODULE ACTIVATION / LOCK- RELEASE RELAY / FLOOR DOOR CALL
	OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds
	VIP ADDRESS Option available if "Actuator module activation_Lock- release relay" is selected.	enter the address of the ViP module you want to control.
	EXPANSION Option available if Actuator module activation is selected.	choose the ViP actuator module / ViP expansion yo want to control.
	OUTPUT Option available if Actuator module activation is selected.	choose the ViP actuator module / ViP expansion output you want to control.
	RELAY Option available if "Lock- release relay" is selected.	choose the relay you want to control.
EMAIL Notificat		set the language for the message sent by Comelit Hub
Option only available in the first scenario action.	SUBJECT the	enter the text which will appear in the email subjec line. The entered text will be added following a standard part consisting of "Comelit Hub Description"
	А	enter email recipient addresses
	MESSAGE	enter the text which will appear in the email. In addition to the entered message, the conditions present in the rule in question and the relevant status will also be included in the email.
HYSTERES TIME	S rule status assessment time. time set if the rule does not cl	The actions will only be carried out at the end of the hange status.
	enter a value expressed in ho	urs/minutes/seconds

False rule is the command that will be carried out automatically when the *conditions* in the Rule conditions section arise.

ACTION	enter one or more actions by clicking <i>Add</i> ; the actions are numbered progressively Click <i>Remove</i> to remove the selected action.
DESCRIPTION	enter a short description of the Action

	PHYSICAL Element	OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds
		ELEMENT TYPE The options depend on the functions created in <i>Physical</i> <i>view</i> .	Choose between: LIGHT / CLIMATE / AUTOMATION / IRRIGATION / BLIND / OTHER
		PHYSICAL ELEMENT The options depend on the functions created in <i>Physical</i> <i>view</i> .	select from the available elements. (Example Light1, Light2)
		COMMAND The options depend on the selected element.	choose from the available options
IARUELITYE	MODULE Input/Outputs not associated with any system element can be entered directly. If the desired input/ output has already been associated	COMMAND TYPE Select the command to send to the group.	Choose between: NORMAL the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time. If you send a normal command to an output set as Step by Step, the output inverts its status. SET the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind".
	with an element, you will need to use "System element" as "Target type"		For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received
			RESET the module sends a "force OFF" command and the output is then deactivated regardless of the programming, remaining inactive until a new command is sent. The RESET command does not affect outputs set as "Blind" or "Venetian blind". For example, if you want to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive

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		ACTIVATE ANALOGUE OUTPUT the module sends the activation command to the set analogue output, bringing the output to the last value set temporarily.
		DEACTIVATE ANALOGUE OUTPUT the module sends the off command to the set analogue output.
		SET ANALOGUE VALUE this command can be used to control an analogue output on a module. For example, the output of dimmer 20046851, choosing also the value you wish to set.
		SET RGB COLOUR this command can be used to control an output of the module 20004600 configured as RGB to adjust the colour and brightness.
	OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds.
	TARGET PROPERTIES	Select the address of the module and the relevant output you wish to control.
		Pressing gives access to the module manager panel from which you can select the output.
GROUP	COMMAND TYPE Select the command to send to the group.	Choose between: NORMAL the module sends a command to the addressee, switching the output for which it was programmed. For example, if you send a normal command to a timed output, the output will be activated for the set time. If you send a normal command to an output set as Step by Step, the output inverts its status.
		SET the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received
		RESET the module sends a "force OFF" command and the output is then deactivated regardless of the programming, remaining inactive until a new command is sent. The RESET command does not affect outputs set as "Blind" or "Venetian blind". For example, if you want to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive
		SET ANALOGUE VALUE this command can be used to control an analogue output on a module. For example, the output of dimmer 20046851, choosing also the value you wish to set.
		SET RGB COLOUR this command can be used to control an output of the module 20004600 configured as RGB to adjust the colour and brightness.
	OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds.
	GROUP	Select the group to associate with the action. Pressing gives access to the group manager panel* from which you can create or delete groups.
SCENARIO	COMMAND TYPE Select the command to send to the scenario.	Choose between: START SCENARIO / STOP SCENARIO
	SCENARIO	select the scenario you want to control.
	OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds.

	ALARM	Actions available if Import Safe command is executed in the Alarm Settings section.	
	Option only available in the first scenario	COMMAND TYPE Select the command to send to the alarm control panel.	Choose between: ALARM AREAS / ALARM SCENARIO
	action.	ALARM AREA COMMANDS Option available if Command type - Alarm areas is selected.	choose from the available options. (areas and commands for areas configured on the alarm control panel)
		ALARM SCENARIO Option available if Command type - Alarm scenario is selected.	choose from the available options. (scenarios configured on the alarm control panel)
	RULE ENABLE	COMMAND TYPE Select the command to send to the rule.	Choose between: ENABLE RULE / DISABLE RULE
		RULE	select the rule you want to control.
		OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds
	VIP	COMMAND TYPE	Choose between: ACTUATOR MODULE ACTIVATION / LOCK- RELEASE RELAY / FLOOR DOOR CALL
		OUTPUT Time interval between the execution of the set action and the previous action.	enter a value expressed in hours/minutes/seconds
		VIP ADDRESS Option available if "Actuator module activation_Lock- release relay" is selected.	enter the address of the ViP module you want to control.
		EXPANSION Option available if Actuator module activation is selected.	choose the ViP actuator module / ViP expansion you want to control.
		OUTPUT Option available if Actuator module activation is selected.	choose the ViP actuator module / ViP expansion output you want to control.
		RELAY Option available if "Lock- release relay" is selected.	choose the relay you want to control.
	EMAIL NOTIFICATION	LANGUAGE	set the language for the message sent by Comelit Hub
	Option only available in the first scenario	SUBJECT	enter the text which will appear in the email subject line. The entered text will be added following a standard part consisting of "Comelit Hub Description"
	acuon.	A	enter email recipient addresses
		MESSAGE	enter the text which will appear in the email. In addition to the entered message, the conditions present in the rule in question and the relevant status will also be included in the email.
F	HYSTERFSIS	rule status assessment time Th	e actions will only be carried out at the end of the
DVANCEL	TIME	time set if the rule does not cha	nge status.
A		ontor a value expressed III 11001	arminuca/accollua

VIRTUAL OUTPUT

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The virtual outputs can be set as though they were normal outputs to carry out rules using their status. They can also be controlled from other modules on the BUS. Standard parameters

Output description:	Virtuale 1		
Function:	Timed		
Main group:	Gruppo 1	-	
Time:	12 \$		
 Advanced parameter 	s		
Group 2:	Gruppo 2	*	
Group 3:	No group	•	
Group 4:	No group	•	
Command execution delay:	20 + + Delay on:		Activ
Priority command:			
Priority group:	Gruppo 3	*	
Status on SET command:	On * Status on RESET of	ommand:	Off +

STEP BY STEP: set this function to switch the output with a pulse at the configured input. This function allows control of the output using traditional buttons connected to the digital input. Every time the button is pressed and released the output inverts its status. The command is activated when the button is pressed, yet no command is carried out when it is released. If, for example, 2 buttons are used to control the same output set as bistable, the following applies: when the first button is pressed the output is activated, when the second button is pressed the output is deactivated. If you press and hold the first button the output is activated; if you continue to press and hold the first button and press the second button, the output is deactivated.	
TIMED: when a button configured to control the timed output is pressed, the output is activated and then, once the time has elapsed, deactivated. When the output is set as TIMED, the activation time (in seconds) must be entered. If you enter a time of 0 seconds the output will be activated for 0.5 seconds, which is useful for the activation of an electric lock on a gate or other similar functions. To activate a timed output so that it switches off after the programmed time, the digital input configured for control must send a NORMAL command. If a RESET command is sent the output will be deactivated, whatever its condition at that moment. If a SET command is sent the 0 seconds is set the output will be activated for 0.5 seconds. Reception of a NORMAL command resets the activation time on the timers.	
this function allows you to select a main group (from those available) to be associated with the output. pressing gives access to the group manager panel from which you can create or delete groups	

TIME set the output time so that it corresponds to the activation time

Advanced parameters

GROUP 2 / 3 / 4	this function can be used to select other groups from those available to be coupled to the output in addition to the main group. Pressing gives access to the group manager panel from which you can create or delete groups.
COMMAND EXECUTION DELAY	this command can be used to delay the execution of a received command by the output. For example, if you set a delay of 4 seconds: the output will wait for 4 seconds following receipt of a command before executing it.
DELAY ON	ACTIVATION / DEACTIVATION / NOT USED: can be used to set the action for which you want to add the command execution delay. For example, if you set <i>Delay</i> on <i>Activation</i> , the output will delay execution of the command received at the output at the moment of activation, while the output will not experience any delays in deactivation.

Priority command

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FUNCTION

MAIN GROUP

PRIORITY GROUP	this function can be used to select a priority group (from those available) to be associated with the output. pressing gives access to the group manager panel from which you can create or delete groups
STATUS ON SET COMMAND	this parameter can be used to determine how the output will behave when it receives a priority SET command, for example an output controlling irrigation that must be activated or deactivated on receipt of a priority SET command and remain locked until receipt of a priority RESET command
STATUS ON RESET COMMAND	this parameter can be used to determine how the output will behave when it receives a priority RESET command, for example an output controlling irrigation that must be activated or deactivated on receipt of a priority RESET command

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LOGIC FUNCTIONS MODULE - ART. 20002710

When connected to the system, the module allows logic functions to be performed using, as elements of the rule, the events that are sent by the different modules on the BUS.

MODULE INFORMATION

Module information			
Address:	17		
Description:	20002710 (Logico) 17		
Type:	20002710 (Logic)		
Firmware version:	1.0		
Advanced			
^ Advanced			
A CONTRACT AND	18 HT US SHOT		
Group command	d retransmission		

ADDRESS	Progressive number assigned to the module by SimpleProg the moment it is added to the devices list. To assign an address to the module, use the DIP-switches.
DESCRIPTION	enter a short description of the module to easily identify it within the project. example: Mod5 503 ground floor bathroom input
TYPE	Indicates the model of the module being programmed
FIRMWARE VERSION	Module firmware version. If a reading has never been taken from the module, this value is shown as "-". This value should not be taken as the firmware version. To update this information with the current module firmware version, we recommend taking a reading from the module as soon as it is added to the system, before moving on to the configuration of the programming parameters. The module firmware version is also displayed on the "Search modules" screen. A The availability of certain functions depends on the firmware version!

Module information

1 Read

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Write

Module memory usage

USED MEMORY	the bar shows the amount of space used by the module as a percentage.

Advanced

MESSAGE RETRANSMISSION	this function can be used to resend the command in the event that the module under control does not respond. under normal conditions a single transmission is enough to control the output; if however the command is not received, the module will make a new attempt, up to a maximum of 3. we recommend that this function is always enabled to ensure greater security for the commands sent.
GROUP COMMAND RETRANSMISSION	this tick enables retransmission of a group command. Retransmission sends the group command 3 times. The group command has no status response, as it is not possible to indicate the status of several outputs. We recommend that this tick is always enabled if group commands are used across the system
OUTPUT STATUS RETRANSMISSION AFTER GROUP COMMAND	this tick box enables transmission, over the BUS, of the status of the outputs activated following a group command received by the module. We recommend enabling this tick when group commands have been programmed for the system and system managers (for example Planux Manager, Serial Bridge, etc) are installed. This retransmission carried out by the module receiving the command, which may be sent with a maximum delay of 12 seconds, is important in order to update the status of the outputs on the system managers

RULES

Rule is the action that must be carried out automatically when the conditions on the list arise;

Usage example:

You want to *activate* the output controlling the boiler when one of the outputs connected to the zone valve is active; you want to *deactivate* it when all the outputs controlling the zone valves are inactive.

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- as many conditions as there are solenoid valves, entering the ON status for each of the outputs set the boiler output activation command as True rule action

Rule description: Rule operator:		Reg	Regola 1 OR (one or more conditions verified)				
		OR					
	Rule co	onditions	True rule act	ions	False rule action	s	
		Conditi	Description		Source type	Source des	cription
	->	1	Descrizione d	ondi	Analogue in	Module: 0, Ing	put: 0
1	COL						
		dition 1					
	Desc	cription:		Descrizi	one condizione		An x
	Desc Type Add	ress: No	t used -	Descrizi An	one condizione Subtype: Not used		An •
	Deso Type Adda Stat	cription: e: ress: No	t used -	Descrizi An • Input Greater	one condizione Subtype: Not used than	*	An •
	Deso Type Add Stat	cription: e: ress: No us:	t used -	Descrizi An Input Greater	one condizione Subtype: Not used than	•	An •
ULE	Desc Type Adde Stat	ress: No	t used -	Descrizi An	one condizione Subtype: Not used than	•	An •

Rule condition

depending on whether the AND or OR option is selected, the occurrence of one or more of the conditions will trigger the activation of the specified rule.

CONDITION	enter one or more conditions by clicking Add; the conditions are numbered in
	progressive order.
DESCRIPTION	space to fill
TYPE	you can choose between: DIGITAL I/O, ANALOG I/O, CLIMATE, OTHER RULE
SUBTYPE	DIGITAL INPUT / OUTPUT: define the status of the digital input / output ANALOGUE INPUT / OUTPUT: define the greater than / less than status of a value read at the analogue input / output TEMPERATURE VALUE: define the greater than / less than status of a temperature HUMIDITY VALUE: define the more than / less than status of a humidity value THERMOSTAT MODE: define the operating mode of the thermostat THERMOSTAT SEASON: define the thermostat operation type HUMIDITY SENSOR MODE: define the humidity sensor operating mode HUMIDITY SENSOR SEASON: define the humidity sensor operating type OTHER RULE: select Other ruleto add a previously created rule to the conditions
ADDRESS	enter the address of the target module
OUTPUTS	select, from those available, the outputs you wish to receive the command. by pressing you can select the ADDRESS and OUTPUTS of the MODULE through a graphic interface
STATUS	you can choose between: INPUT ON / OFF OUTPUT ON / OFF GREATER THAN / LESS THAN WINTER / SUMMER MANUAL / AUTOMATIC HUMIDIFIER / DEHUMIDIFIER
TEMPERATURE / HUMIDITY	enter the temperature or humidity value

TARGET TYPE MODULE: the module function is used to control one or more module outputs. When this option is selected, you must enter the number of the module and output(s) you wish to control. This setting is also used to control an analogue output on a 20046810 module connected to a dimmer module. Also in this case, the address of the 20046810 module and the input number (1 or 2) will need to be entered GROUP: this function allows you to command multiple outputs on different modules. This setting is used to send a command which switches off all the lights in an apartment or lowers all the blinds, etc... To do this, the outputs must be assigned to the same group on the output settings screen. For example, if you want to control all the lights, one group (for example GROUP 1) must be assigned to all the outputs connected to the lights, and then an input set as GROUP in the TARGET TYPE field, entering GROUP 1 SYSTEM MANAGER: the system manager function sends a command directly to the system managers, for example: Icona Manager, Planux Manager, Serial Bridge, Minitouch. This command is used by the system managers to activate internally stored commands, or to use the input status for logic rules or other functions. This setting is used if you want to activate a scenario that is stored on the Planux Manager, Minitouch, Bridge or Icona system manager. THERMOSTAT MODE: this function can be used to send commands to a selected thermostat by choosing the operating type (heating/cooling) or the operating mode (automatic/manual) HUMIDITY SENSOR MODE: this function can be used to send commands to a humidity sensor by selecting the operating type (humidifier/dehumidifier) or the operating mode (automatic/manual) COMMAND TYPE SET: the module sends a "force ON" command and the output is then activated independently of the programming, remaining active until a new command is sent. The SET command does not affect outputs set as "Blind" and "Venetian blind". For example, if you want to send an activation command to a group of lights, the SET command type must be set; this switches on any lights which are off and leaves those already switched on running. If a SET is sent to an output set as timed, the output is activated and will remain active until a new command is received RESET: the module sends a "force OFF" command and the output is then deactivated independently of the programming, remaining inactive until a new command is sent. The RESET command does not affect outputs set as "Blind" or "Venetian blind" For example, if you want to send a deactivation command to a group of lights, the RESET command type must be set; this switches off any lights which are on and leaves those already switched off inactive ACTIVATE/DEACTIVATE ANALOGUE OUTPUT: this command activates/deactivates an analogue output at the last value set for that output. For example, it can be used to activate the dimmer output of module 20046851 SET ANALOGUE VALUE: this command can be used to control an analogue output on a module. For example, the output of dimmer 20046851, choosing also the value you wish to set. SET RGB COLOUR: this command can be used to control an output of the module 20004600 configured as RGB to adjust the colour and brightness HEATING ON / HEATING OFF: this command can be used to change the type of thermostat operation to on in winter or off in winter COOLING ON / COOLING OFF: this command can be used to change the type of thermostat operation to on in summer or off in summer HUMIDIFIER ON / HUMIDIFIER OFF: this command can be used to change the type of humidity sensor operation to humidifier on or humidifier off DEHUMIDIFIER ON / DEHUMIDIFIER OFF: this command can be used to change the type of humidity sensor operation to dehumidifier on or dehumidifier of AUTOMATIC: this command can be used to set the thermostat or humidity sensor to automatic mode MANUAL: this command can be used to set the thermostat or humidity sensor to manual mode, with the corresponding threshold as desired ADDRESS enter the address of the target module INPUT / select, from those available, the outputs you wish to receive the command OUTPUT By pressing _____ you can select the ADDRESS and OUTPUTS of the MODULE through a graphic interface TEMPERATURE enter the temperature or humidity value / HUMIDITY

Advanced

DELAY BETWEEN Indicates the delay between the execution of one command, completed in an action COMMANDS associated with the rule, and the next

False rule action

False rule is the command carried out when the conditions on the list cease to occur

(See Paragraph "True rule action" on page 56)

VIRTUAL OUTPUT

The virtual outputs can be set as though they were normal outputs to carry out rules using their status. They can also be controlled from other modules on the BUS.

True rule action

True rule is the command that will be carried out automatically when the conditions on the list arise.

ACTION	enter one or more actions by clicking Add; the actions are numbered in progressive order
DESCRIPTION	space to fill

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Standard parameters			
Output description:	Virtuale 1		
Function:	Timed		
Main group:	Gruppo 1 *		
Time: 12 s		-	
 Advanced parameters 			
Group 2:	Gruppo 2 -	•••	
Group 3:	No group -		
Group 4:	No group -		
Command execution delay:	20 4 > Delay on:	Activ	
Priority command:			
Priority group:	Gruppo 3 -		
Status on SET commands	On Status on DESET commands	0#	

Standard parameters

OUTPUT DESCRIPTION	enter a short description of the module to easily identify it within the project in future.
FUNCTION	STEP BY STEP: set this function to switch the output with a pulse at the configured input. This function allows control of the output using traditional buttons connected to the digital input. Every time the button is pressed and released the output inverts its status. The command is activated when the button is pressed, yet no command is carried out when it is released. If, for example, 2 buttons are used to control the same output set as bistable, the following applies: when the first button is pressed the output is activated, when the second button is pressed the output is deactivated. If you press and hold the first button the output is activated; if you continue to press and hold the first button and press the second button, the output is deactivated.
	TIMED: this option is used to connect timed procedures such as the stair light, outputs for the irrigation valve, a hallway light or other functions. When a button configured to control the timed output is pressed, the output is activated and then, once the time has elapsed, deactivated. When the output is set as TIMED, the activation time (in seconds) must be entered. If you enter a time of 0 seconds the output will be activated for 0.5 seconds, which is useful for the activation of an electric lock on a gate or other similar functions. To activate a timed output so that it switches off after the programmed time, the digital input configured for control must send a NORMAL command. If a RESET command is sent the output will be deactivated, whatever its condition at that moment. If a SET command is sent the output will be deactivated in any case at the end of the timed period. If a time of 0 seconds is set the output will be activation time on the timers.
MAIN GROUP	this function allows you to select a main group (from those available) to be associated with the output. pressing gives access to the group manager panel from which you can create or delete groups
TIME	set the output time so that it corresponds to the activation time

Advanced parameters

GROUP 2 / 3 / 4	this function can be used to select other groups from those available to be coupled to the output in addition to the main group. Pressing gives access to the group manager panel from which you can create or delete groups.
COMMAND EXECUTION DELAY	this command can be used to delay the execution of a received command by the output. For example, if you set a delay of 4 seconds: the output will wait for 4 seconds following receipt of a command before executing it.
DELAY ON	ACTIVATION / DEACTIVATION / NOT USED: can be used to set the action for which you want to add the command execution delay. For example, if you set <i>Delay</i> on <i>Activation</i> , the output will delay execution of the command received at the output at the moment of activation, while the output will not experience any delays in deactivation.

Priority command

PRIORITY GROUP	this function can be used to select a priority group (from those available) to be associated with the output. pressing gives access to the group manager panel from which you can create or delete groups
STATUS ON SET COMMAND	this parameter can be used to determine how the output will behave when it receives a priority SET command, for example an output controlling irrigation that must be activated or deactivated on receipt of a priority SET command and remain locked until receipt of a priority RESET command
STATUS ON RESET Command	this parameter can be used to determine how the output will behave when it receives a priority RESET command, for example an output controlling irrigation that must be activated or deactivated on receipt of a priority RESET command

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