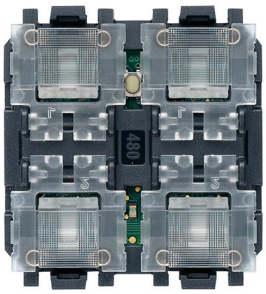
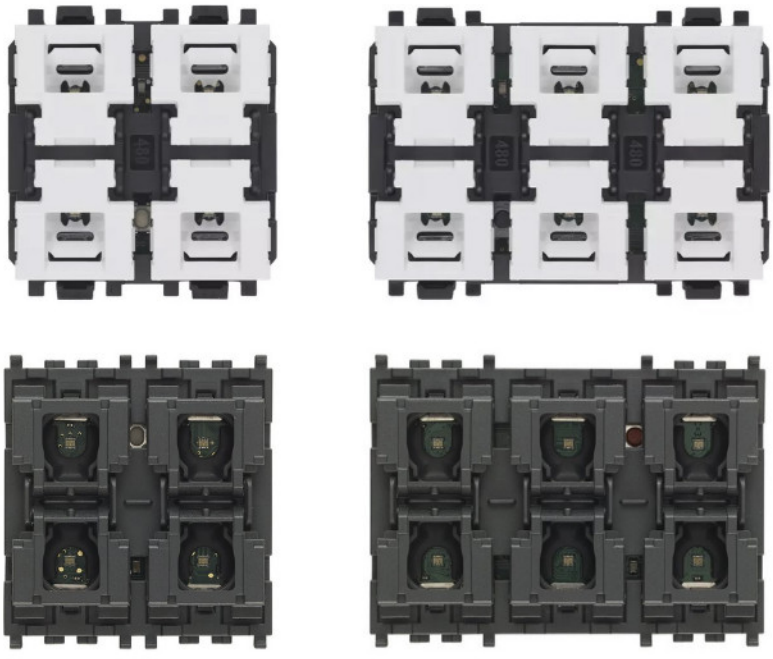


VIMAR 30583 4-button KNX Secure control Installation Guide

Installer manual



30583-30588
01583-01583.AX-01588-01588.AX
Home automation system push button control devices, KNX standard
SMART HOME&BUILDING
WELL – CONTACT PLUS

Contents

General characteristics

The new KNX home automation system devices constitute the evolution of all the control devices used to date, offering new functions teamed with an optimised range that guarantees flexibility and simple installation.
The new home automation system control devices stand out for:

- renovated styling and RGB backlighting (on Eikon and Arkè,e each symbol has backlighting, which is a more attractive and functional characteristic, whereas on Plana each indicator lens and non-illuminated symbol has backlighting);
- management of short, long and timed button press;
- single code for the three series: Eikon, Arkè and Plana (the button covers relating to the chosen wiring series are then fitted on the device);
- two types of modular design (2 and 3 modules) for maximum installation flexibility;
- 4 activations for 2-module devices (4 push buttons);
- 6 activations for 3-module devices (6 push buttons);
- RGB LED with adjustable brightness (visible in darkness/night function), colour coordinated with the thermostats;
- reduced dimensions of flush mounting box for more practical wiring;
- requiring the application of the new button covers in the 1- or 2-module versions, with a set of differentiated symbols for each series and finish, not compatible with the previously available controls.

1.1 Device firmware and ETS version to use

The ETS version to use according to the device firmware is identified via the digits of the serial number highlighted in red in the table below.

Art.	Rev.	FW Vers.	ETS database
30583	001	1.0.0	1.0
01583	001	1.0.0	1.0
01583.AX	001	1.0.0	1.0
30588	001	1.0.0	1.0
01588	001	1.0.0	1.0
01588.AX	001	1.0.0	1.0

Devices

General characteristics

The devices are equipped with four or six independent buttons that can be used as ON/OFF controls and for controlling roller shutters and lights. The device is KNX Data Secure and is equipped with a dedicated QR code to be used with ETS (version 5.5 and later) during configuration. Especially:

- Art. 30583-01583-01583.AX:
  – 4 independent pushbuttons
  – 4 RGB LEDs with configurable colour
  – built-in temperature sensor
- Art. 30588-01588-01588.AX:
  – 6 independent pushbuttons
  – 6 RGB LEDs with configurable colour

Functions
The push buttons can be used in two ways:

- **Functions with independent push buttons:**
  – Sending ON, OFF, timed ON, forcing and toggle controls both on short press and on long press
  – Switch ON and OFF on the rising edge and on the falling edge
  – Calling up a scenario with a short press of the push button, calling up a second scenario or saving a scenario with a long press
  – Sending cyclic or increasing/decreasing bit or byte sequences via short and long press
  – Sending one or two values via short or long press of the push button
  – Sending bit, byte or 2 byte controls via multiple close presses
  – Roller shutter control
  – Dimmer control
- **Functions possible with push buttons and 2 associated channels:**
  – Switch ON and OFF
  – Dimmer control
  – Roller shutter control
  For all three functions, the direction of the controls can be inverted.
- **Temperature measurement (only for art. 30583-01583-01583.AX):**
  – Built-in sensor: measurement range from 0 °C to 40 °C, ±0.5 °C between 15 °C and 30 °C, ±0.8 °C at the extremes
  – Adjustable temperature offset from -2 °C to 2 °C
  – Cyclical transmission
  – Send on change.
- **The following can be set for the RGB LEDs:**
  – The colour each individual LED, either by choosing from a list or by setting the RGB coordinates using the ETS software
  – Brightness or flashing also using the ETS software
  – The LED colours and brightness can be customised according to day/night time
  – The LED colours and brightness can be customised according to load status

Communication objects and ETS parameters

SWITCHING MODULE AND PUSH BUTTON FUNCTIONAL UNITS
List of existing communication objects and standard settings

No.	ETS name	Function	Description	Length	Flag 1				
					C	R	W	T	U
2 PUSH BUTTON MODE									
1	Up key	Value to send	(if set as “Push button” and the “*switching 1 object*” function is selected) – to send “*ON/OFF/timed ON*” messages.	1 bit	X	X		X	
1	Up key	Sends value – short press	(if set as “Push button” and “*Short/Long press*” function) – to send “Toggle/send ON/send OFF” messages with short press: if used in Toggle mode, also associate the object of “ON/OFF state” of the button in the same group as this object.	1 bit	X	X		X	
1	Up key	Send forcing	(if set as “Push button” and ” *Switching module with several objects/Forcing*” function) to send one of the forcing functions for selection as “forcing On/forcing OFF/Forced disable”	2 bit	X	X		X	
1	Up key	Send value – up	(if set as “Push button” and ” *Switching module with several objects/on the edge*” function) to send one of functions for selection as “ON/OFF on the rising edge” (pressing the button)	1 bit	X	X		X	
1	Up key	Scenario – short press	(if set as “Push button” and ” *Switching module with several objects/Short-long press/call up or store scenario*” function) to call up or store a scenario on short press.	1 byte	X	X		X	
1	Up key	Send value – short press	(if set as “Push button” and ” *Switching module with several objects/Value*” function) to send a value that can be set between 0 and 255 on short press.	1 byte	X	X		X	
1	Up key	ON/OFF control	(if set as “Push button” and “*Single push button dimming*” func- tion) to control a dimmed light	1 bit	X	X		X	
1	Up key	Short sequence – Value 1	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the first 1 bit or 1 byte se- quence message on short press.	1 bit/1 byte	X	X		X	
1	Up key	Multiple press – Value 1	(if set as “Push button” and “*Switching module with several ob- jects/Multiple presses*” function) – to send a message at the first event of multiple presses.	1bit/1byte/ 2byte	X	X		X	

1	Keys	ON/OFF	(if set as “Switching module” and the “*Power on/off*” function is selected) – to send “On/Off” messages pressing the top/bottom or bottom/top part respectively (direction set by the parameter) on the double push button	1 bit	X	X		X	
1	Keys	ON/OFF control	(if set as “Switching module” and “*Dimmer control*” function) to control a dimmed light. The controls of the switching module can be inverted using the parameter.	1 bit	X	X		X	
1	Keys	Roller shutter Up/Down	(if set as “Switching module” and “*Roller shutters*” function) to control the operation of a roller shutter. The controls of the switch- ing module can be inverted using the parameter.	1 bit	X	X		X	
1	Up key	Sends value – long press	(if set as “Push button” and “short/long press” function) – to send “Toggle/send ON/send OFF” messages with long press: if used in Toggle mode, also associate the object of “ON/OFF state” of the button in the same group as this object.	1 bit	X	X		X	
1	Up key	Venetian blinds / Stop	(if set as “Push button” and “*Roller shutter single push button control*” function) – to stop the roller shutter on short press.	1 bit	X	X		X	
1	Up key	Send value – long press	(if set as “Push button” and ” *Switching module with several objects/Value*” function) – to send a value that can be set between 0 and 255 on long press.	1 byte	X	X		X	
2	Up key	Dimmer control	(if set as “Push button” and “*Single push button dimming*” func- tion) to control a dimmed light	4 bit	X	X		X	
2	Up key	Send value – down	(if set as “Push button” and ” *Switching module with several objects/on the edge*” function) to send one of functions for selection as “ON/OFF on the falling edge (release the button)	1 bit	X	X		X	
2	Up key	Send forcing	(if set as “Push button” and ” *Switching module with several objects/Forcing*” function) to send one of the forcing functions for selection as “forcing On/forcing OFF/Forced disable”	2 bit	X	X		X	
2	Up key	Scenario – long press	(if set as “Push button” and ” *Switching module with several objects/Short-long press/call up or store scenario*” function) to call up or store a scenario on long press.	1 byte	X	X		X	

2	Up key	Short sequence – Value 2	(if set as “Push button” and “*Switching module with several objects/Sequence*” function) – to send the second 1 bit or 1 byte sequence message on short pre ss.	1 bit/1 byte	X	X		X	

No.	ETS name	Function	Description	Length	Flag 1				
					C	R	W	T	U
2	Up key	Multiple press – V alue 2	(if set as “Push button” and “*Switching module with several objects/Multiple pr esses*” function) – to send a message a t the sec- ond event of multiple presses .	1bit/1by te/ 2byt e	X	X		X	
2	Keys	Dimmer control	(if set as “Switching module” and “*Dim mer control*” function) to control a dimm ed light	4 bit	X	X		X	
2	Keys	Venetian blind ON /OFF	(if set as “Switching module” and “*Rolle r shutters*” function) to stop a roller shut ter or the movement of the slat	1 bit	X	X		X	
3	Up key	Short sequence – Value 3	(if set as “Push button” and “*Switching module with several objects/Sequence*” function) – to send the third 1 bit or 1 b yte se- quence message on short press .	1bit/1by te	X	X		X	
3	Up key	Multiple press – V alue 3	(if set as “Push button” and “*Switching module with several objects/Multiple pr esses*” function) – to send a message a t the third event of multiple presses.	1bit/1by te/ 2byt e	X	X		X	
4	Up key	ON/OFF state ON /OFF state – short press Roller shutt er state	(if set as “Push button” and “*Single pus h button dimming*” func- tion or ” *Switch ing module with several objects/Short-l ong press/ toggle*” or “*Roller shutter sin gle push button control*” function se- lec ted) this object must be associated wit h the group with the light “ON/OFF control” datapoint (relay or dimmer) or t he roller shutter “roller shutter up/down” datapoint to receive the ON/ OFF state of the associated load. If this is not the case, it will be unable to man age light control or roller shutter operati on.	1 bit	X		X		X
4	Up key	Multiple press – V alue 4	(if set as “Push button” and “*Switching module with several objects/Multiple pr esses*” function) – to send a message a t the fourth event of multiple presses.	1bit/1by te/ 2byt e	X	X			X

4	Up key	Short sequence – Value 4	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the fourth 1 bit or 1 byte se- quence message on short press.	1bit/1byte	X	X			X
5	Up key	ON/OFF state – long press	(if set as “Push button” and “*Switching module with several ob- jects/Short-long press/toggle*” function) – this object must be as- sociated with the group with the light “ON/OFF control” datapoint on long press to receive the ON/OFF state of the associated load. If this is not the case, it will be unable to manage light control.	1 bit	X		X		X
5	Up key	Long sequence – Value 1	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the first 1 bit or 1 byte se- quence message on long press.	1bit/1byte	X	X		X	
6	Up key	Long sequence – Value 2	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the second 1 bit or 1 byte sequence message on long press.	1bit/1byte	X	X		X	
7	Up key	Long sequence – Value 3	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the third 1 bit or 1 byte se- quence message on long press.	1bit/1byte	X	X		X	
8	Up key	Long sequence – Value 4	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the fourth 1 bit or 1 byte se- quence message on long press.	1bit/1byte	X	X		X	
9	upper LED	State	To display an ON or OFF state on the LED with a colour (red, green, blue, amber, white, cyan, magenta, RGB custom triple) and the type selected during configuration (maximum brightness, medium brightness, minimum brightness, OFF, rapid flashing, slow flashing)	1 bit	X		X		X
10	Down key	Value to send	(if set as “Push button” and the “*switching 1 object*” function is selected) – to send “*ON/OFF/timed ON*” messages.	1 bit	X	X		X	
10	Down key	Sends value – short press	(if set as “Push button” and “*Short/Long press*” function) – to send “Toggle/send ON/send OFF” messages with short press: if used in Toggle mode, also associate the object of “ON/OFF state” of the button in the same group as this object.	1 bit	X	X		X	

10	Down key	Send forcing	(if set as “Push button” and ” *Switching module with several ob- jects/Forcing*” function) to send one of the forcing functions for selection as “forcing On/forcing OFF/Forced disable”	2 bit	X	X		X	
10	Down key	Send value – up	(if set as “Push button” and ” *Switching module with several ob- jects/on the edge*” function) to send one of functions for selection as “ON/OFF on the rising edge” (pressing the button)	1 bit	X	X		X	
10	Down key	Scenario – short press	(if set as “Push button” and ” *Switching module with several ob- jects/Short-long press/call up or store scenario*” function) to call up or store a scenario on short press.	1 byte	X	X		X	

No.	ETS name	Function	Description	Length	Flag 1				
					C	R	W	T	U
10	Down key	Send value – short press	(if set as “Push button” and ” *Switching module with several ob- jects/Value*” function) to send a value that can be set between 0 and 255 on short press.	1 byte	X	X		X	
10	Down key	ON/OFF control	(if set as “Push button” and “*Single push button dimming*” func- tion) to control a dimmed light	1 bit	X	X		X	
10	Down key	Short sequence – Value 1	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the first 1 bit or 1 byte se- quence message on short press.	1 bit/1 byte	X	X		X	
10	Down key	Multiple press – Value 1	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the first 1 bit or 1 byte se- quence message on short press.	1bit/1byte/ 2byte	X	X		X	
10	Down key	Sends value – long press	(if set as “Push button” and “short/long press” function) – to send “Toggle/send ON/send OFF” messages with long press: if used in Toggle mode, also associate the object of “ON/OFF state” of the button in the same group as this object.	1 bit	X	X		X	
10	Down key	Venetian blinds / Stop	(if set as “Push button” and “*Roller shutter single push button control*” function) – to stop the roller shutter on short press.	1 bit	X	X		X	

10	Down key	Send value – long press	(if set as “Push button” and ” *Switching module with several ob- jects/Value*” function) – to send a value that can be set between 0 and 255 on long press.	1 byte	X	X		X	
11	Down key	Dimmer control	(if set as “Push button” and “*Single push button dimming*” func- tion) to control a dimmed light	4 bit	X	X		X	
11	Down key	Send value – down	(if set as “Push button” and ” *Switching module with several ob- jects/on the edge*” function) to send one of functions for selection as “ON/OFF on the falling edge (release the button)	1 bit	X	X		X	
11	Down key	Send forcing	(if set as “Push button” and ” *Switching module with several ob- jects/on the edge*” function) to send one of functions for selection as “ON/OFF on the falling edge (release the button)	2 bit	X	X		X	
11	Down key	Scenario – long press	(if set as “Push button” and ” *Switching module with several ob- jects/Short-long press/call up or store scenario*” function) to call up or store a scenario on long press.	1 byte	X	X		X	
11	Down key	Short sequence – Value 2	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the second 1 bit or 1 byte sequence message on short press.	1 bit/1 byte	X	X		X	
11	Down key	Multiple press – Value 2	(if set as “Push button” and “*Switching module with several ob- jects/Multiple presses*” function) – to send a message at the sec- ond event of multiple presses.	1bit/1byte/ 2byte	X	X		X	
11	Keys	Dimmer control	(if set as “Switching module” and “*Dimmer control*” function) to control a dimmed light	4 bit	X	X		X	
11	Keys	Venetian blind ON/OFF	(if set as “Switching module” and “*Roller shutters*” function) to stop a roller shutter or the movement of the slat	1 bit	X	X		X	
12	Down key	Short sequence – Value 3	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the third 1 bit or 1 byte se- quence message on short press.	1bit/1byte	X	X		X	
12	Down key	Multiple press – Value 3	(if set as “Push button” and “*Switching module with several ob- jects/Multiple presses*” function) – to send a message at the third event of multiple presses.	1bit/1byte/ 2byte	X	X		X	

13	Down key	ON/OFF state ON /OFF state – short press Roller shutter state	(if set as “Push button” and “*Single push button dimming*” func- tion or ” *Switching module with several objects/Short-long press/ toggle*” or “*Roller shutter single push button control*” function se- lected) this object must be associated with the group with the light “ON/OFF control” datapoint (relay or dimmer) or the roller shutter “roller shutter up/down” datapoint to receive the ON/OFF state of the associated load. If this is not the case, it will be unable to manage light control or roller shutter operation.	1 bit	X		X		X
13	Down key	Multiple press – Value 4	(if set as “Push button” and “*Switching module with several objects/Multiple presses*” function) – to send a message at the fourth event of multiple presses.	1bit/1byte/ 2byte	X	X		X	
13	Down key	Short sequence – Value 4	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the fourth 1 bit or 1 byte se- quence message on short press.	1bit/1byte	X	X		X	

No.	ETS name	Function	Description	Length	Flag 1				
					C	R	W	T	U
14	Down key	ON/OFF state – long press	(if set as “Push button” and “*Switching module with several ob- jects/Short-long press/toggle*” function) – this object must be as- sociated with the group with the light “ON/OFF control” datapoint on long press to receive the ON/OFF state of the associated load. If this is not the case, it will be unable to manage light control.	1 bit	X		X		X
14	Down key	Long sequence – Value 1	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the first 1 bit or 1 byte se- quence message on long press.	1bit/1byte	X	X		X	
15	Down key	Long sequence – Value 2	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the second 1 bit or 1 byte sequence message on long press.	1bit/1byte	X	X		X	
16	Down key	Long sequence – Value 3	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the third 1 bit or 1 byte se- quence message on long press.	1bit/1byte	X	X		X	
17	Down key	Long sequence – Value 4	(if set as “Push button” and “*Switching module with several ob- jects/Sequence*” function) – to send the fourth 1 bit or 1 byte se- quence message on long press.	1bit/1byte	X	X		X	
18	Lower LED	State	To display an ON or OFF state on the LED with a colour (red, green, blue, amber, white, cyan, magenta, RGB custom triple) and the type selected during configuration (maximum brightness, medium brightness, minimum brightness, OFF, rapid flashing, slow flashing)	1 bit	X		X		X
41	Temperature	Temperature	To find out the temperature read by the sensor on board the control (this object is only present in art. 30583-01583-01583.AX)	2 byte	X	X		X	
43	Day/Night	State	To set the day/night mode with which the device changes the colour of the LEDs	1 bit	X		X		

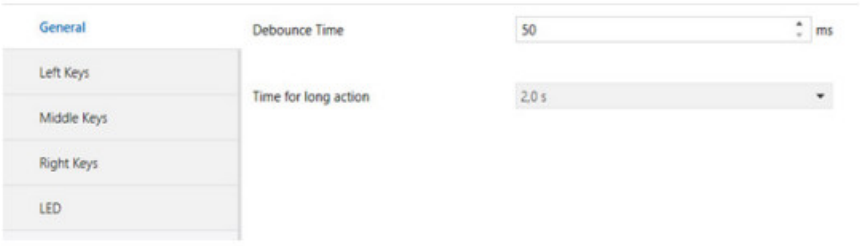
C = Communication; R = Read; W = Write; T = Transmission; U = Enable update

Number of communication objects	Max. number of group addresses	Max. number of associations
20	254	255

Reference ETS parameters
General
The device can be used in the “push button” mode, completed with 1-module interchangeable buttons (e.g. 20751) and using the 4 keys associated with 4 different functions separately (push button function), or by associating the top/bottom keys of the left or right side to a single function (switching module function).

General parameters

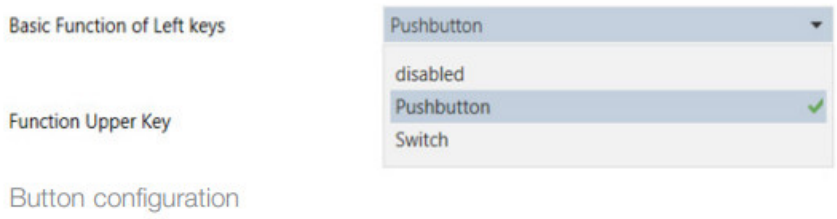
ETS text	Values available [Default value]	Comment
Debounce time	50…500 ms [50]	Time during which the control ignores any st ate change (mini- mum pressing time)
Time for long action [s]	1…30 s [2]	Minimum press time to per- form the action a ssociated with a long press



General settings

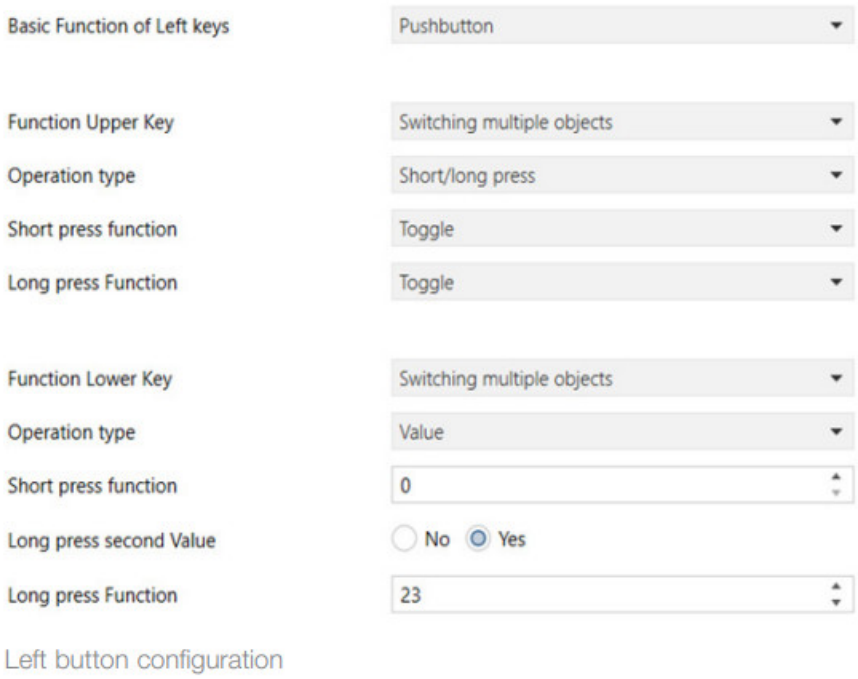
Button configuration
Each button can be configured like a push button or 2 buttons can be grouped together to act as a rocker button.
Button configuration

ETS text	Values available [Default value]	Comment
Basic function of the button s	0 = deactivated 1 = push button 2 = switching module [0]	“Push button” can be used as “Switching mod ule with one object”, “Switching module with several objects”, “Single push button dimmin g” or “Roller shutter single button control”. “S witching module” can be used as “ON/OFF s witching”, “Dimmer control” or “Roller Shutter s”



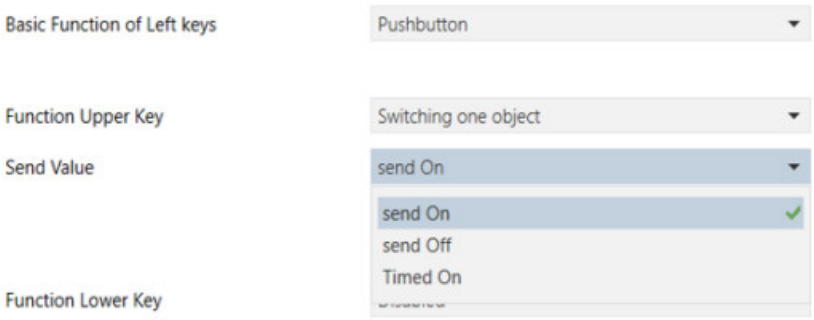
PUSH BUTTON Mode
Each button can operate as a push button.
The parameter configuration is shown in the table below.
Push button configuration

ETS text	Values available [Default value]	Comment
Function	255 = disabled	Identical for top and bottom (left, right and, w here present, central) buttons
	0 = switching one object	
	1 = switching several objects	
	2 = single push button dimming	
	3 = single push button roller shutt er control	
	[255]	



Let’s look in detail at the functions that can be associated with the button set as “Push button”.
“Switching one object” parameters

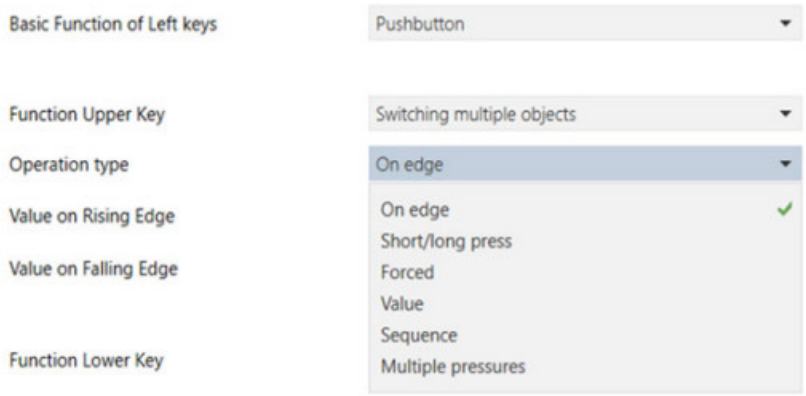
ETS text	Values available [Default value]	Comment
Value to send	0 = send ON 1 = send OFF 2 = timed ON [0]	Possibility of choosing whether to send an O N message, an OFF message or an ON mes- sage with a set time
Time in seconds	1…32000 s [30]	Only if timed



"Switching one object" parameter

“Switching several objects” parameters

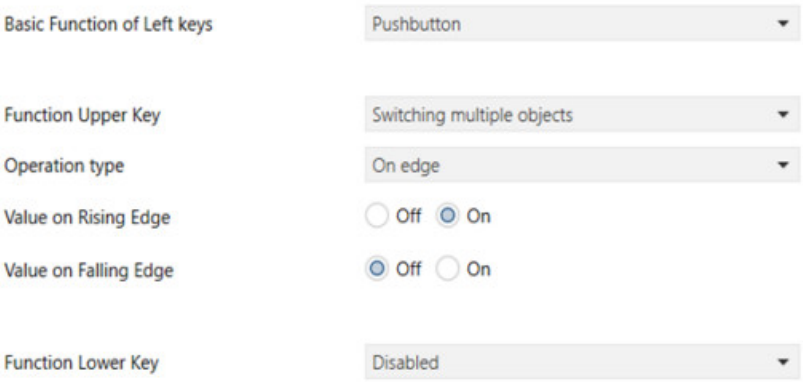
ETS text	Values available [Default value]	Comment
Type of operation	0 = On the edge 1 = Short/Long press 2 = Force 3 = Value 4 = Sequence 5 = Multiple presses [0]	Possibility of choosing the behaviour and sending over sev- eral objects



"Switching several objects" parameter

“Switching several objects/on the edge” parameters
To obtain a “Bell” ON/OFF and OFF/ON function.

ETS text	Values available [Default value]	Comment
Value on the rising edge	0 = send OFF	On pressing the push button it will send ON or OFF
	1 = send ON	
	[1]	
Value on the falling edge	0 = send OFF	On releasing the push button it will send ON o r OFF
	1 = send ON	
	[0]	



"Switching several objects/on the edge" parameter

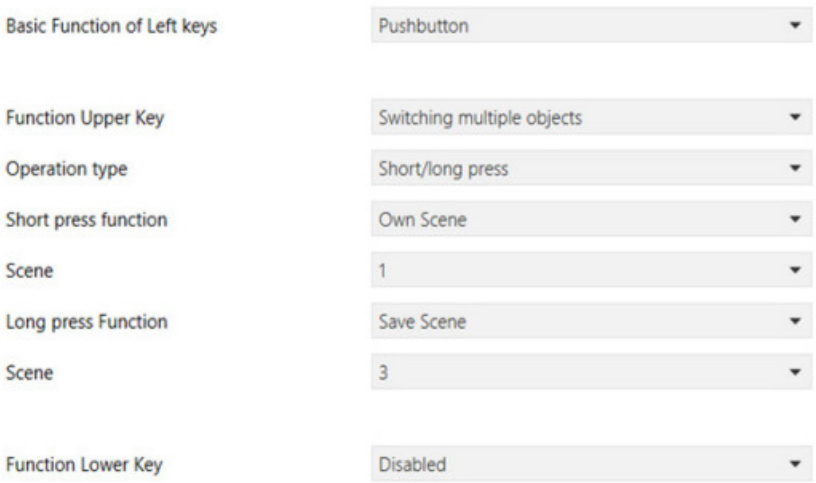
“Switching several objects/Short-long press” parameter with Toggle and ON/OFF” options
To send cyclical ON/OFF messages with push button.

ETS text	Values available [Default value]	Comment
Short press func- tion	No reaction Toggle Send ON Send OFF [Toggle]	Possibility of choosing the mes- sage to send o n a short press of the push button. By choosing “Toggle”, ON/OFF/ON etc. will be sent in seque nce with each press of the push button. Both th e con- trol object and the push button “State” object must be associated with the group
Long press func- tion	No reaction Toggle Send ON Send OFF [Toggle]	Possibility of choosing the mes- sage to send o n a short press of the push button. By choosing “Toggle”, ON/OFF/ON etc. will be sent in seque nce with each press of the push button. Both th e con- trol object and the push button “State” object must be associated with the group

"Switching several objects/Short-long press" parameters with Toggle and ON/OFF" options

“Switching several objects/Short-long press” parameter with options for the scenario
A scenario can be activated or stored.

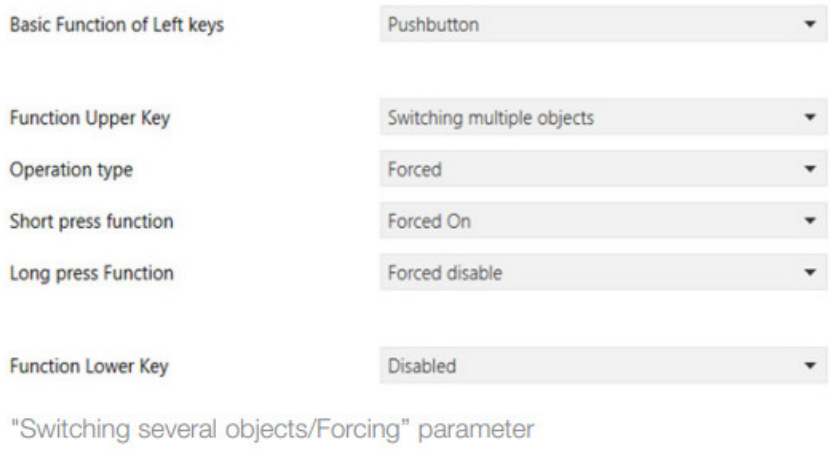
ETS text	Values available [Default value]	Comment
Short press func- tion	0 = no action 1 = stores scenario 2= calls up another sce- nario [0]	If enabled, a short push button press saves a scenario in the bus or calls up a scenario
Scenario	1-64 [1]	Number of the scenario called up or saved o n short press
Long press func- tion	0 = no action 1 = stores scenario 2= calls up another sce- nario [0]	If enabled, a prolonged push button press sa ves a scenario in the bus or calls up another scenario
Long press sce- nario	1-64 [1]	Number of the scenario called up or saved o n long press



"Switching several objects/Short-long press" parameter

“Switching several objects/Forcing” parameter The push button can be used for forcing functions.

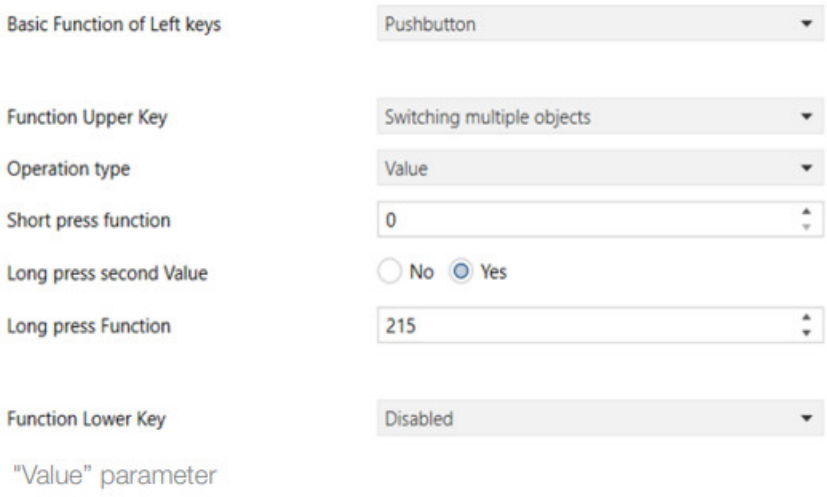
ETS text	Values available [Default value]	Comment
Short press func- tion	0 = no reaction 1 = forced ON 2 = forced OFF 3 = disable forcing [0]	To send forced ON or OFF con- trols and to disable forcing on short press
Long press func- tion	0 = no reaction 1 = forced ON 2 = forced OFF 3 = disable forcing [0]	To send forced ON or OFF con- trols and to disable forcing on long press



"Switching several objects/Forcing" parameter

“Switching several objects/Value” parameter
To send a value 0÷255 on short or long push button press.

ETS text	Values available [Default value]	Comment
Short press func- tion	0÷255	Sends a value between “0” and “255” over the bus on a long push button press
Enables second value on l ong press	Yes No [No]	To enable a second value to send on long pre ss
Long press func- tion	0÷255	Sends a value between “0” and “255” over the bus on a long push button press



“Switching several objects/Sequence” parameters

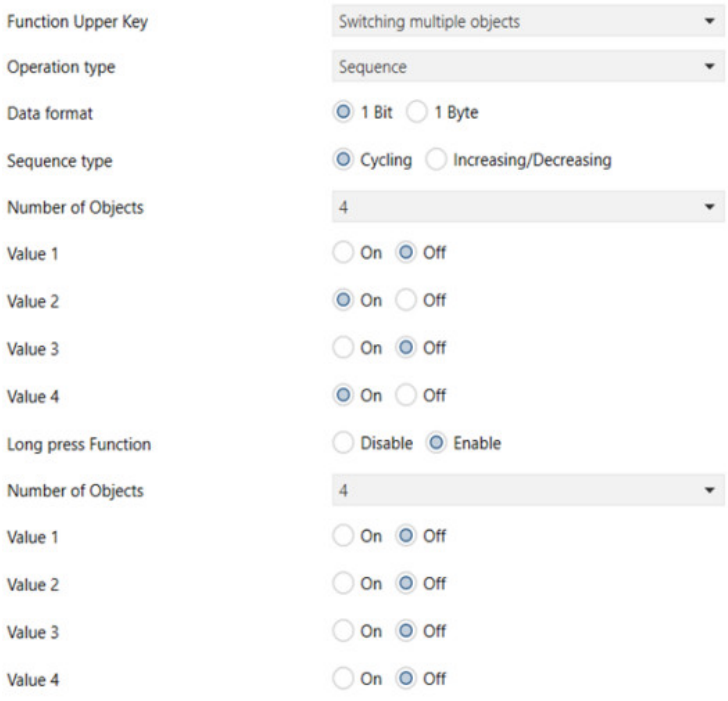
ETS text	Values available [Default value]	Comment
Data format	0 = 1 bit 1 = 1 byte [0]	Type of data to send

If data format = 1 bit

Type of sequence	0 = Cyclical	By choosing cyclical sequence, for each pres s the data on the objects Value 1, Value 2, Va lue 3, Value 4, Value 1, Value 2, Value 3, Val ue 4… are sent By choosing increasing/ decr easing sequence, the data on the objects Val ue 1, Value 2, Value 3, Value 4, Value 3, Valu e 2, Value 1, Value 2, Value 3, Value 4… are sent
	1 = Increasing/Deceas- ing	
	[0]	
Number of objects	0÷4	Number of objects concerned in the sequenc e for short press
	[2]	
Value 1..n	0 = ON	ON or OFF values to send for short press
	1 = OFF	
	[1]	
Long press func- tion	Disable	Enabling of the sequence func- tion for long p ress
	Enable	
	[Disable]	
Number of objects	0÷4	Number of objects concerned in the sequenc e for long press
	[2]	
Value 1..n	0 = ON	ON or OFF values to send for long press
	1 = OFF	
	[1]	

If data format = 1 byte

Type of sequence	0 = Cyclical 1 = Increasing/Deceas- ing [0]	By choosing cyclical sequence, for each pres s of the dedicated object, the data on the obje cts Value 1, Value 2, Value 3, Value 4, Value 1, Value 2, Value 3, Value 4… are sent By ch oosing increasing/ decreasing sequence, the data Value 1, Value 2, Value 3, Value 4, Valu e 3, Value 2, Value 1, Value 2, Value 3, Value 4… are sent
Number of values	0÷4 [2]	Number of different values to send in the seq uence for short press
Value 1..n	0÷255 [0]	Values to send for short press
Long press func- tion	Disable Enable [Disable]	Enabling of the sequence func- tion for long p ress
Number of values	0÷4 [2]	Number of different values to send in the seq uence for long press
Value 1..n	0÷255 [0]	Values to send for long press



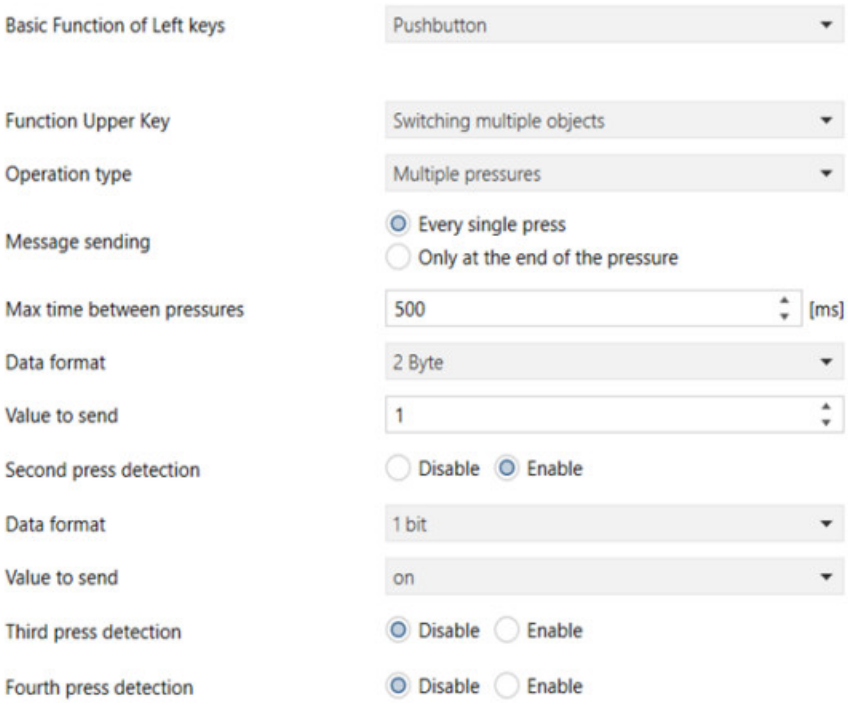
"Switching module with several objects/Sequence" parameters

“Switching several objects/Multiple presses” parameters

ETS text	Values available [Default value]	Comment

Message trans- mission	0 = Each single press	To establish whether to send the messages a t all presses in the series or only at the end of the series.
	1 = Only at the end of pressing	
	[0]	
Maximum time between pr esses	100÷32000 ms	This time determines the end of the series of presses
	[500]	
Data format	0 = 1 bit	Type of data to send
	1 = 1 byte	
	2 = 2 byte	
	[0]	
Value to send (if data forma t = 1bit)	0 = OFF	1 bit values to send for short press
	1 = ON	
	2 = Toggle	
	[0]	
Value 1..n (if data format = 1byte)	0÷255	1 byte values to send for short press
	[0]	
Value 1..n (if data format = 2byte)	0÷ 65535	2 byte values to send for short press
	[0]	
Detection of sec- ond press	Disable	Enabling management of sec- ond press
	Enable	
	[Disable]	
Data format	0 = 1 bit	Type of data to send
	1 = 1 byte	
	2 = 2 byte	
	[0]	
Value to send (if data forma t = 1bit)	0 = OFF	1 bit values to send for short press
	1 = ON	
	2 = Toggle	
	[0]	
Value 1..n (if data format = 1byte)	0÷255	1 byte values to send for short press
	[0]	
Value 1..n (if data format = 2byte)	0÷ 65535	2 byte values to send for short press
	[0]	
	Disable	

Detection of third press	Enable	Enabling management of third press
	[Disable]	
Data format	0 = 1 bit	Type of data to send
	1 = 1 byte	
	2 = 2 byte	
	[0]	
Value to send (if data format = 1bit)	0 = OFF	1 bit values to send for short press
	1 = ON	
	2 = Toggle	
	[0]	
Value 1..n (if data format = 1byte)	0÷255	1 byte values to send for short press
	[0]	
Value 1..n (if data format = 2byte)	0÷ 65535	2 byte values to send for short press
	[0]	



"Switching several objects/Multiple presses" parameter

ETS text	Values available [Default value]	Comment
Detection of fourth press	Disable Enable [Disable]	Enabling management of fourth press
Data format	0 = 1 bit 1 = 1 byte 2 = 2 byte [0]	Type of data to send
Value to send (if data forma t = 1bit)	0 = OFF 1 = ON 2 = Toggle [0]	1 bit values to send for short press
Value 1..n (if data format = 1byte)	0÷255 [0]	1 byte values to send for short press
Value 1..n (if data format = 2byte)	0÷ 65535 [0]	2 byte values to send for short press

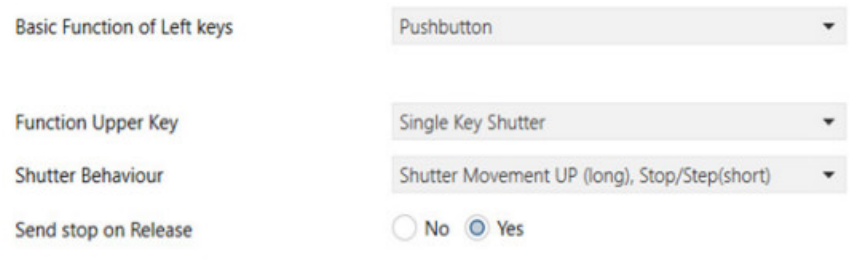
“Single push button dimming” parameter Dimmer control with a single push button.

ETS text	Values available [Default value]	Comment
Dimming step	1.5…. 100% [100%]	Sets the control speed
Repeat control tel- egrams	0 = No 1 = Yes [0]	Sets the control mode (con- tinuous or ste p-step)
Repeat time	0.3.. 5 s [1.0 s]	Control message repeat time

“Single push button dimming” parameters

“Single push button roller shutter control” parameter Roller shutter control with a single push button.

ETS text	Values available [Default value]	Comment
Roller shutter behaviour	Roller shutter up (long press), stop/step (short press)	Possibility of choosing the behaviour for short and long press
	Roller shutter down (long press), stop/step (short press)	
	Roller shutter toggle move- ment (long press), stop (short press)	
	Roller shutter up (short press), stop/step (long press)	
	Roller shutter down (short press), stop/step (long press)	
	Roller shutter toggle move- ment (short press), stop (long press)	
	[Roller shutter up (long press), stop/step (short press)]	
Stop Sending on release	0 = No	Possibility of choosing whether to send the stop when the push button is released
	1 = Yes	
	[0]	



“Single push button roller shutter control” parameters

Note.
By setting “Push button” and selecting the “Single push button dimming” function or the “Toggle object” function or the “Single push button roller shutter control” function, this object must be associated with the group with the light “ON/OFF control” datapoint (relay or dimmer) or the roller shutter “roller shutter up/down” datapoint to receive the ON/OFF state of the associated load. If this is not the case, it will be unable to manage light control or roller shutter operation.

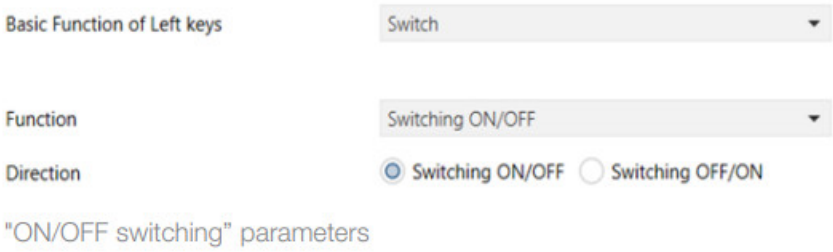
Let’s look in detail at the functions that can be associated with the button set as “Switching module”.
“Switching module” configuration
For relay controls, dimmers, roller shutters with two push buttons acting as a switching module.

ETS text	Values available [Default value]	Comment
Function	0= ON/OFF	
	1 = dimmer control	
	2 = roller shutters	
	[0]	

“Switching module” parameters

“ON/OFF switching” parameter
To send ON/OFF messages with push button.

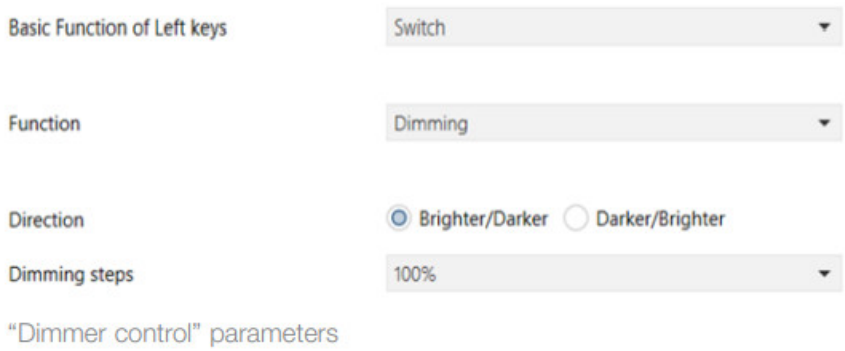
ETS text	Values available	Comment
	[Default value]	
Direction	0 = ON/OFF switching	Possibility of choosing the direction of the s witching module
	1 = OFF/ON switching	
	[0]	



"ON/OFF switching" parameters

“Dimmer control” parameter

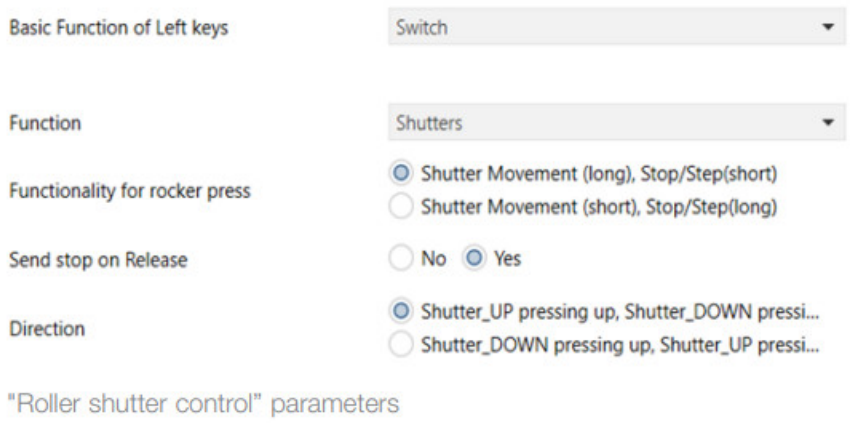
ETS text	Values available	Comment
	[Default value]	
Dimming step	0…. 100%	Sets the control speed
	[100%]	
Direction	Brighter/Darker	Possibility of choosing the direction of the switching module
	Darker/Brighter	
	[Brighter/Darker]	



“Dimmer control” parameters

“Roller shutter control” parameter

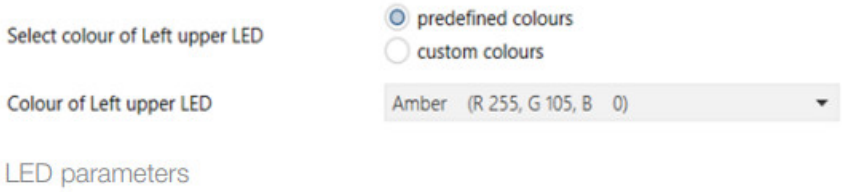
ETS text	Values available [Default value]	Comment
Function	Roller shutter move- ment (long pre ss), Stop/ Step (short press) Roller shutter movement (short pre ss), Stop/Step (long press) [Roller shutter move- ment (long pr ess), Stop/Step (short press)]	Possibility of choosing the behaviour for sh ort and long press
Functions for switching module pressing	Roller shutter move- ment (long pre ss), Stop/ Step (short press) Roller shutter move- ment (short pr ess), Stop/Step (long press) [Roller shutter move- ment (long pr ess), Stop/Step (short press)]	Possibility of choosing the behaviour for sh ort and long press
Stop Sending on release	0 = No 1 = Yes [0]	Possibility of choosing whether to send the stop when the push button is released
Direction	Upper button pressed for roller shut ter up, low- er button pressed for ro ller shutter down Upper button pressed for roller shut ter down, lower button pressed for r oller shutter up [Upper button pressed for roller shu tter up, lower button pressed for roll er shutter down]	Possibility of choosing the direction of the switching module



"Roller shutter control" parameters

LED
LED parameters

ETS text	Values available [Default value]	Comment
Select upper/lower LH, RH or central col our	Default colours Custom colours [Default colours]	Possibility of choos- ing betwee n standard colours or the user's RGB setting

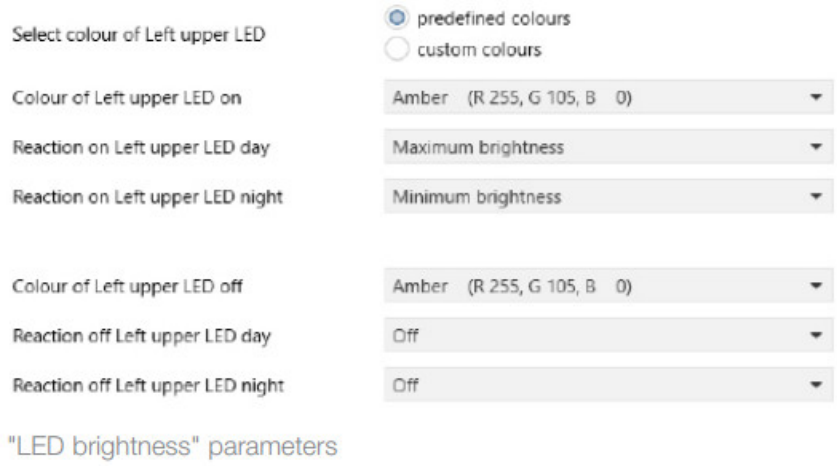


"Custom colours" parameter
Used to set a different colour from those in the default list.

ETS text	Values available [Default value]	Comment
Red, green, blue (*for each LED*)	0….255 [128]	Possibility of choos- ing a user RGB setting for the LED colour

"LED brightness" parameter
Used to set the state of each LED according to the related object value.

ETS text	Values available [Default value]	Comment
Reaction on Day LED ON	Maximum brightness Medium brightness Minimum brightness OFF Rapid flashing Slow flashing [Maximum brightness]	Possibility of choosing the LED behaviour w hen the related object is ON and the Day/Night object is set to Day (0)
Reaction on Night LED ON	Maximum brightness Medium brightness Minimum brightness OFF Rapid flashing Slow flashing [Maximum brightness]	Possibility of choosing the LED behaviour w hen the related object is ON and the Day/Night object is set to Night (1)
Reaction on Day LED OFF	Maximum brightness Medium brightness Minimum brightness OFF Rapid flashing Slow flashing [Maximum brightness]	Possibility of choosing the LED behaviour w hen the related object is OFF and the Day/Night object is set to Day (0)
Reaction on Night LED OFF	Maximum brightness Medium brightness Minimum brightness OFF Rapid flashing Slow flashing [Maximum brightness]	Possibility of choosing the LED behaviour w hen the related object is OFF and the Day/Night object is set to Night (1)
Day/Night	0 (Day) 1 (Night) [0]	Used to receive the related information from a supervisor, where not present the default i s 0 (Day). If the device is restarted, the para meter is 0 (Day)



Temperature measurement
(only for art 30583-01583-01583.AX)
Parameters

ETS text	Values available [Default value]	Comment
Temperature Offset	-2 °C… +2 °C [0]	Calibration of sensor reading
Cyclic Send Time	0… 30 min. [0=OFF]	0=OFF Activates the object cyclical transmission
Send on Change	0… 1.0 °C [0=OFF]	Sets the minimum measured temperature change with respect to the setpoint that will cause the sensor to send the current value over the bus to a supervisor
Name of temperature measured	Max 40 bytes	Name displayed only within the Indoor temperature sensor screen

Viale Vicenza 14
36063 Marostica VI – Italy
www.vimar.com

Documents / Resources

	**VIMAR 30583 4-button KNX Secure control** [pdf] Installation Guide 30583 4-button KNX Secure control, 30583, 4-button KNX Secure control, KNX Secure control, Secure control, control

References

- **Home automation, electrical equipment, smart home - Vimar energia positiva**
- **User Manual**