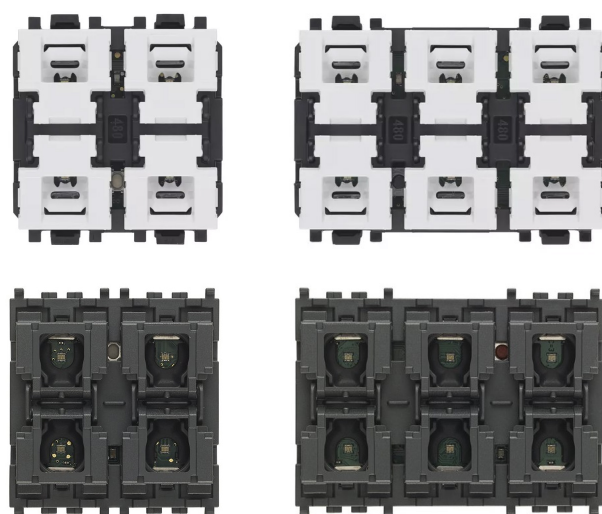


Installer manual



30583-30588

01583-01583.AX-01588-01588.AX

Home automation system push button control devices, KNX standard



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General characteristics

1. 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, 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

2. 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

3. 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" function) 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 objects/Sequence" function) - to send the first 1 bit or 1 byte sequence 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 objects/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 switching 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" function) 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 press.	1 bit/1 byte	X	X		X	

Continued

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

Communication objects and ETS parameters

Continued

No.	ETS name	Function	Description	Length	Flag 1				
					C	R	W	T	U
2	Up key	Multiple press - Value 2	(if set as "Push button" and "Switching module with several objects/Multiple presses" function) - to send a message at the second event of multiple presses.	1bit/1byte/ 2byte	X	X		X	
2	Keys	Dimmer control	(if set as "Switching module" and "Dimmer control" function) to control a dimmed light	4 bit	X	X		X	
2	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	
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 byte sequence message on short press.	1bit/1byte	X	X		X	
3	Up key	Multiple press - Value 3	(if set as "Push button" and "Switching module with several objects/Multiple presses" function) - to send a message at the third event of multiple presses.	1bit/1byte/ 2byte	X	X		X	
4	Up key	ON/OFF state ON/OFF state - short press Roller shutter state	(if set as "Push button" and "Single push button dimming" function or "Switching module with several objects/Short-long press/toggle" or "Roller shutter single push button control" function selected) 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
4	Up 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
4	Up key	Short sequence - Value 4	(if set as "Push button" and "Switching module with several objects/Sequence" function) - to send the fourth 1 bit or 1 byte sequence 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 objects/Short-long press/toggle" function) - this object must be associated 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 objects/Sequence" function) - to send the first 1 bit or 1 byte sequence 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 objects/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 objects/Sequence" function) - to send the third 1 bit or 1 byte sequence 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 objects/Sequence" function) - to send the fourth 1 bit or 1 byte sequence 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 objects/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 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	
10	Down 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	

Continued

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

Communication objects and ETS parameters

Continued

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 objects/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" function) 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 objects/Sequence" function) - to send the first 1 bit or 1 byte sequence 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 objects/Sequence" function) - to send the first 1 bit or 1 byte sequence 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 objects/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" function) 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 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	
11	Down key	Send forcing	(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)	2 bit	X	X		X	
11	Down 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	
11	Down 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 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 objects/Multiple presses" function) - to send a message at the second 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 objects/Sequence" function) - to send the third 1 bit or 1 byte sequence 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 objects/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" function or "Switching module with several objects/Short-long press/toggle" or "Roller shutter single push button control" function selected) 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 objects/Sequence" function) - to send the fourth 1 bit or 1 byte sequence message on short press.	1bit/1byte	X	X		X	

Continued

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

Communication objects and ETS parameters

Continued

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 objects/Short-long press/toggle" function) - this object must be associated 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 objects/Sequence" function) - to send the first 1 bit or 1 byte sequence 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 objects/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 objects/Sequence" function) - to send the third 1 bit or 1 byte sequence 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 objects/Sequence" function) - to send the fourth 1 bit or 1 byte sequence 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

Communication objects and ETS parameters

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	Time during which the control ignores any state change (minimum pressing time)
	[50]	
Time for long action [s]	1...30 s	Minimum press time to perform the action associated with a long press
	[2]	

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 buttons	0 = deactivated	"Push button" can be used as "Switching module with one object", "Switching module with several objects", "Single push button dimming" or "Roller shutter single button control". "Switching module" can be used as "ON/OFF switching", "Dimmer control" or "Roller Shutters"
	1 = push button	
	2 = switching module	
	[0]	

Button configuration

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, where present, central) buttons
	0 = switching one object	
	1 = switching several objects	
	2 = single push button dimming	
	3 = single push button roller shutter control	
	[255]	

Left button configuration

Communication objects and ETS parameters

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	Possibility of choosing whether to send an ON message, an OFF message or an ON message with a set time
	1 = send OFF	
	2 = timed ON	
	[0]	
Time in seconds	1...32000 s [30]	Only if timed

Basic Function of Left keys: Pushbutton

Function Upper Key: Switching one object

Send Value: send On (checked)

Function Lower Key: [disabled]

"Switching one object" parameter

"Switching several objects" parameters

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

Basic Function of Left keys: Pushbutton

Function Upper Key: Switching multiple objects

Operation type: On edge (checked)

Value on Rising Edge: On edge (checked)

Value on Falling Edge: [disabled]

Function Lower Key: [disabled]

"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 or OFF
	1 = send ON	
	[0]	

Basic Function of Left keys: Pushbutton

Function Upper Key: Switching multiple objects

Operation type: On edge

Value on Rising Edge: Off On

Value on Falling Edge: Off On

Function Lower Key: Disabled

"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 function	No reaction	Possibility of choosing the message to send on a short press of the push button. By choosing "Toggle", ON/OFF/ON etc. will be sent in sequence with each press of the push button. Both the control object and the push button "State" object must be associated with the group
	Toggle	
	Send ON	
	Send OFF	
	[Toggle]	
Long press function	No reaction	Possibility of choosing the message to send on a short press of the push button. By choosing "Toggle", ON/OFF/ON etc. will be sent in sequence with each press of the push button. Both the control object and the push button "State" object must be associated with the group
	Toggle	
	Send ON	
	Send OFF	
	[Toggle]	

Basic Function of Left keys: Pushbutton

Function Upper Key: Switching multiple objects

Operation type: Short/long press

Short press function: Toggle

Long press Function: Send On

Function Lower Key: Disabled

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

Communication objects and ETS parameters

"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 function	0 = no action	If enabled, a short push button press saves a scenario in the bus or calls up a scenario
	1 = stores scenario	
	2 = calls up another scenario	
	[0]	
Scenario	1-64	Number of the scenario called up or saved on short press
	[1]	
Long press function	0 = no action	If enabled, a prolonged push button press saves a scenario in the bus or calls up another scenario
	1 = stores scenario	
	2 = calls up another scenario	
	[0]	
Long press scenario	1-64	Number of the scenario called up or saved on long press
	[1]	

Basic Function of Left keys

Function Upper Key

Operation type

Short press function

Scene

Long press Function

Scene

Function Lower Key

"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 function	0 = no reaction	To send forced ON or OFF controls and to disable forcing on short press
	1 = forced ON	
	2 = forced OFF	
	3 = disable forcing	
	[0]	
Long press function	0 = no reaction	To send forced ON or OFF controls and to disable forcing on long press
	1 = forced ON	
	2 = forced OFF	
	3 = disable forcing	
	[0]	

Basic Function of Left keys

Function Upper Key

Operation type

Short press function

Long press Function

Function Lower Key

"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 function	0÷255	Sends a value between "0" and "255" over the bus on a long push button press
Enables second value on long press	Yes	To enable a second value to send on long press
	No	
	[No]	
Long press function	0÷255	Sends a value between "0" and "255" over the bus on a long push button press

Basic Function of Left keys

Function Upper Key

Operation type

Short press function

Long press second Value No Yes

Long press Function

Function Lower Key

"Value" parameter

Communication objects and ETS parameters

"Switching several objects/Sequence" parameters

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

If data format = 1 bit

Type of sequence	0 = Cyclical	By choosing cyclical sequence, for each press the data on the objects Value 1, Value 2, Value 3, Value 4, Value 1, Value 2, Value 3, Value 4... are sent By choosing increasing/decreasing sequence, the data on the objects Value 1, Value 2, Value 3, Value 4, Value 3, Value 2, Value 1, Value 2, Value 3, Value 4... are sent
	1 = Increasing/Decreasing	
	[0]	
Number of objects	0÷4 [2]	Number of objects concerned in the sequence for short press
Value 1..n	0 = ON 1 = OFF [1]	ON or OFF values to send for short press
Long press function	Disable	Enabling of the sequence function for long press
	Enable	
	[Disable]	
Number of objects	0÷4 [2]	Number of objects concerned in the sequence for long press
Value 1..n	0 = ON 1 = OFF [1]	ON or OFF values to send for long press

If data format = 1 byte

Type of sequence	0 = Cyclical	By choosing cyclical sequence, for each press of the dedicated object, the data on the objects Value 1, Value 2, Value 3, Value 4, Value 1, Value 2, Value 3, Value 4... are sent By choosing increasing/decreasing sequence, the data Value 1, Value 2, Value 3, Value 4, Value 3, Value 2, Value 1, Value 2, Value 3, Value 4... are sent
	1 = Increasing/Decreasing	
	[0]	
Number of values	0÷4 [2]	Number of different values to send in the sequence for short press
Value 1..n	0÷255 [0]	Values to send for short press
Long press function	Disable	Enabling of the sequence function for long press
	Enable	
	[Disable]	
Number of values	0÷4 [2]	Number of different values to send in the sequence for long press
Value 1..n	0÷255 [0]	Values to send for long press

Function Upper Key	Switching multiple objects ▾
Operation type	Sequence ▾
Data format	<input checked="" type="radio"/> 1 Bit <input type="radio"/> 1 Byte
Sequence type	<input checked="" type="radio"/> Cycling <input type="radio"/> Increasing/Decreasing
Number of Objects	4 ▾
Value 1	<input type="radio"/> On <input checked="" type="radio"/> Off
Value 2	<input checked="" type="radio"/> On <input type="radio"/> Off
Value 3	<input type="radio"/> On <input checked="" type="radio"/> Off
Value 4	<input checked="" type="radio"/> On <input type="radio"/> Off
Long press Function	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Number of Objects	4 ▾
Value 1	<input type="radio"/> On <input checked="" type="radio"/> Off
Value 2	<input type="radio"/> On <input checked="" type="radio"/> Off
Value 3	<input type="radio"/> On <input checked="" type="radio"/> Off
Value 4	<input type="radio"/> On <input checked="" type="radio"/> Off

"Switching module with several objects/Sequence" parameters

Communication objects and ETS parameters

"Switching several objects/Multiple presses" parameters

ETS text	Values available [Default value]	Comment
Message transmission	0 = Each single press	To establish whether to send the messages at all presses in the series or only at the end of the series.
	1 = Only at the end of pressing	
	[0]	
Maximum time between presses	100÷32000 ms [500]	This time determines the end of the series of presses
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]	
Detection of second press	Disable	Enabling management of second 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 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]	
Detection of third press	Disable	Enabling management of third 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 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]	

Continued

Basic Function of Left keys Pushbutton ▾

Function Upper Key Switching multiple objects ▾

Operation type Multiple presses ▾

Message sending
 Every single press
 Only at the end of the pressure

Max time between presses 500 [ms]

Data format 2 Byte ▾

Value to send 1 ▾

Second press detection
 Disable Enable

Data format 1 bit ▾

Value to send on ▾

Third press detection
 Disable Enable

Fourth press detection
 Disable Enable

"Switching several objects/Multiple presses" parameter

Continued

ETS text	Values available [Default value]	Comment
Detection of fourth press	Disable	Enabling management of fourth 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 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]	

Communication objects and ETS parameters

“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 telegrams	0 = No 1 = Yes [0]	Sets the control mode (continuous or step-step)
Repeat time	0.3....5 s [1.0 s]	Control message repeat time

Basic Function of Left keys

Function Upper Key

Dimming steps

Repeat Dimming Telegrams No Yes

Repetition time

Function Lower Key

“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 movement (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 movement (short press), stop (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

Basic Function of Left keys

Function Upper Key

Shutter Behaviour

Send stop on Release No Yes

“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.

Communication objects and ETS parameters

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]	

"ON/OFF switching" parameter

To send ON/OFF messages with push button.

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

"Dimmer control" parameter

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

Basic Function of Left keys Switch

Function Switching ON/OFF

Direction Switching ON/OFF ✓
Dimming
Shutters

"Switching module" parameters

Basic Function of Left keys Switch

Function Switching ON/OFF

Direction Switching ON/OFF Switching OFF/ON

"ON/OFF switching" parameters

Basic Function of Left keys Switch

Function Dimming

Direction Brighter/Darker Darker/Brighter

Dimming steps 100%

"Dimmer control" parameters

Communication objects and ETS parameters

"Roller shutter control" parameter

ETS text	Values available [Default value]	Comment
Function	Roller shutter movement (long press), Stop/Step (short press)	Possibility of choosing the behaviour for short and long press
	Roller shutter movement (short press), Stop/Step (long press)	
	[Roller shutter movement (long press), Stop/Step (short press)]	
Functions for switching module pressing	Roller shutter movement (long press), Stop/Step (short press)	Possibility of choosing the behaviour for short and long press
	Roller shutter movement (short press), Stop/Step (long press)	
	[Roller shutter movement (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]	
Direction	Upper button pressed for roller shutter up, lower button pressed for roller shutter down	Possibility of choosing the direction of the switching module
	Upper button pressed for roller shutter down, lower button pressed for roller shutter up	
	[Upper button pressed for roller shutter up, lower button pressed for roller shutter down]	

Basic Function of Left keys Switch

Function Shutters

Functionality for rocker press
 Shutter Movement (long), Stop/Step(short)
 Shutter Movement (short), Stop/Step(long)

Send stop on Release
 No Yes

Direction
 Shutter_UP pressing up, Shutter_DOWN pressi...
 Shutter_DOWN pressing up, Shutter_UP pressi...

"Roller shutter control" parameters

LED

LED parameters

ETS text	Values available [Default value]	Comment
Select upper/lower LH, RH or central colour	Default colours	Possibility of choosing between standard colours or the user's RGB setting
	Custom colours	
	[Default colours]	

Select colour of Left upper LED
 predefined colours
 custom colours

Colour of Left upper LED Amber (R 255, G 105, B 0)

LED parameters

"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	Possibility of choosing a user RGB setting for the LED colour
	[128]	

Colour red Left upper LED 128

Colour green Left upper LED 128

Colour blue Left upper LED 128

"Custom colours" parameter

Communication objects and ETS parameters

“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	Possibility of choosing the LED behaviour when the related object is ON and the Day/Night object is set to Day (0)
	Medium brightness	
	Minimum brightness	
	OFF	
	Rapid flashing	
	Slow flashing	
	[Maximum brightness]	
Reaction on Night LED ON	Maximum brightness	Possibility of choosing the LED behaviour when the related object is ON and the Day/Night object is set to Night (1)
	Medium brightness	
	Minimum brightness	
	OFF	
	Rapid flashing	
	Slow flashing	
	[Maximum brightness]	
Reaction on Day LED OFF	Maximum brightness	Possibility of choosing the LED behaviour when the related object is OFF and the Day/Night object is set to Day (0)
	Medium brightness	
	Minimum brightness	
	OFF	
	Rapid flashing	
	Slow flashing	
	[Maximum brightness]	
Reaction on Night LED OFF	Maximum brightness	Possibility of choosing the LED behaviour when the related object is OFF and the Day/Night object is set to Night (1)
	Medium brightness	
	Minimum brightness	
	OFF	
	Rapid flashing	
	Slow flashing	
	[Maximum brightness]	
Day/Night	0 (Day)	Used to receive the related information from a supervisor, where not present the default is 0 (Day). If the device is restarted, the parameter is 0 (Day)
	1 (Night)	
	[0]	

Select colour of Left upper LED

- predefined colours
 custom colours

Colour of Left upper LED on

Amber (R 255, G 105, B 0)

Reaction on Left upper LED day

Maximum brightness

Reaction on Left upper LED night

Minimum brightness

Colour of Left upper LED off

Amber (R 255, G 105, B 0)

Reaction off Left upper LED day

Off

Reaction off Left upper LED night

Off

"LED brightness" parameters

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



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