



SpaceLogic KNX Push-buttons with dynamic labeling

Technical Product Presentation



Life Is On

Schneider
Electric

SpaceLogic KNX

Push-buttons with dynamic labeling



Launch wave 1 (2022):
DE, ES, FR, IT, AE, IL, EG

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KNX Push Button dynamic labeling

Device types and colour variants

1-gang module



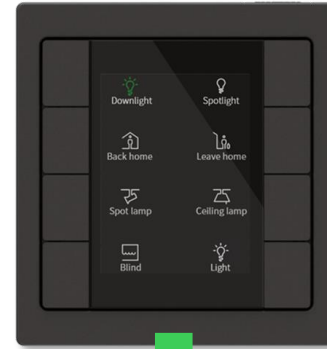
2-gang module



3-gang module



Universal module



Especially flexible

Colours available:



Iolos white brilliant



anthracite



stainless steel



nickel metallic



mocca metallic

Brands available:

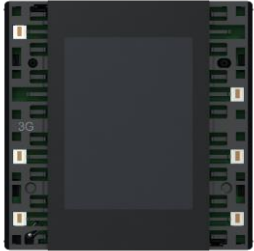
merten

Schneider
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KNX Push Button dynamic labeling

Building Blocks Concept

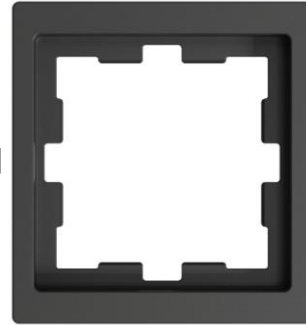
Single Module



Rockers



Frame

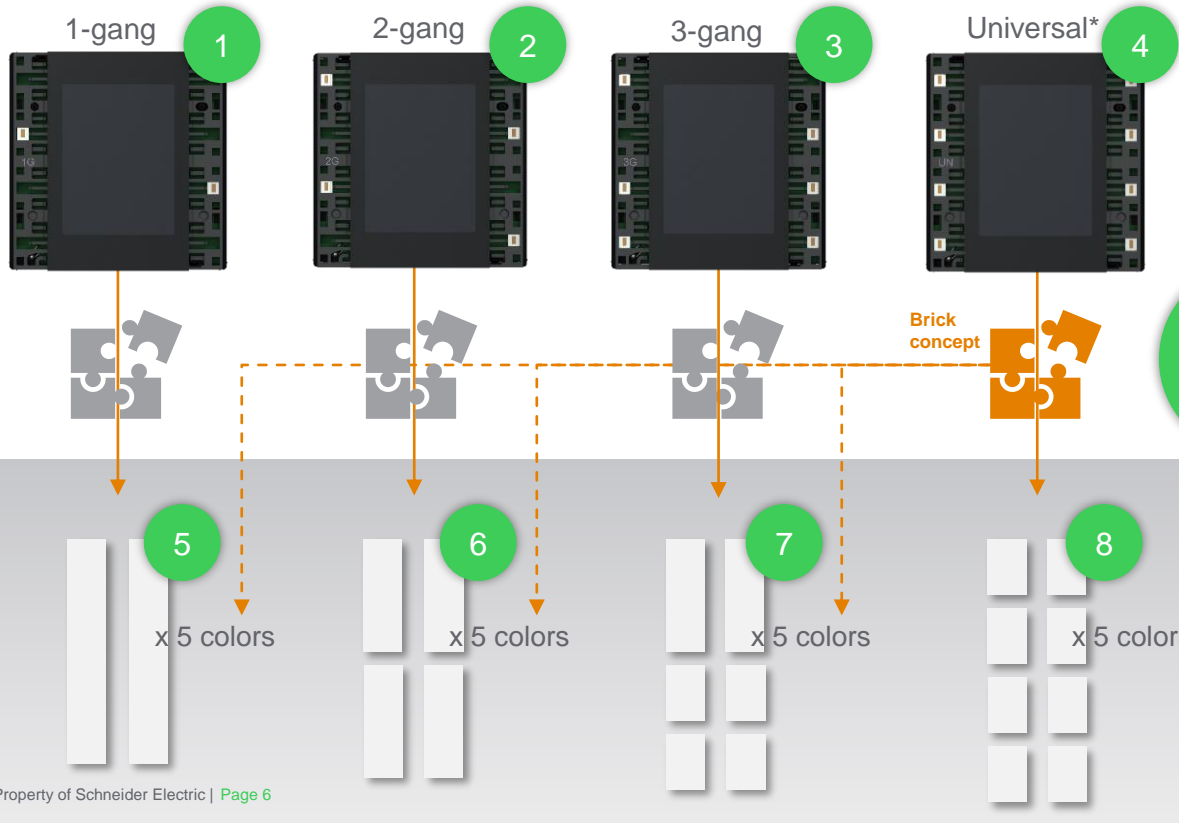


Complete product



KNX Push Button dynamic labeling

Building Blocks Concept



Rockers

Large Medium Small



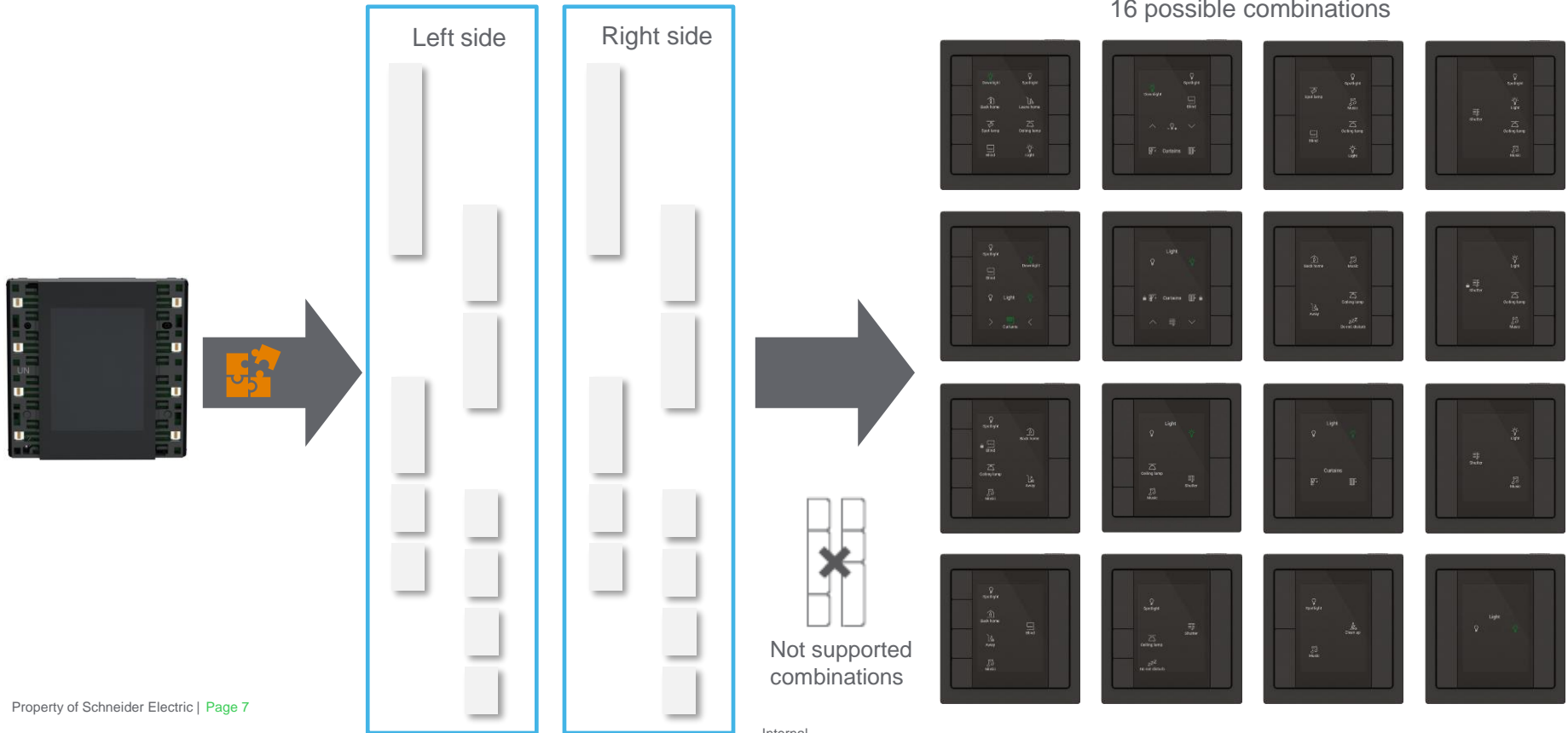
Note: Rockers come in sets. Each set covers one side of the module, i.e. each module require 2x rocker commercial reference (CR) to be completed.



= 2x CR / module

Flexible in the selection of colour and number of buttons

Push button Universal

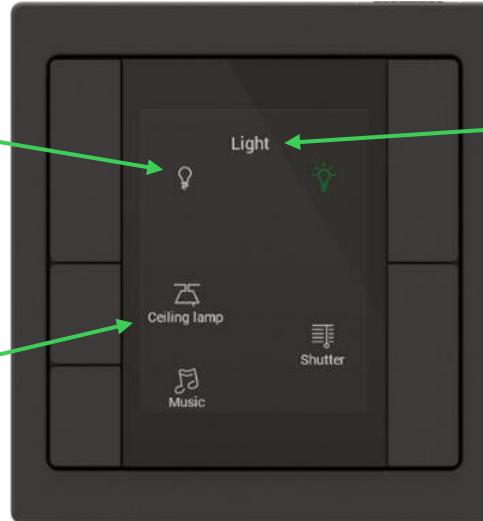


KNX Push Button dynamic labelling

Display elements

Button icons can be used to display the different function status with different icons and colours (white green, blue, red orange yellow)

The button indication can be complemented with static text



Labeling in the middle

- None
- Static text
- Static icon (also colour)
- Static text and icon

KNX Push Button dynamic labelling

Highlights to mention

Digital Labeling

- Paper-free with text and icons
- Colours for different status indication
- Free-editable text and individually selectable icons for each rocker
- Saving commissioning time
- Remotely customizable

Models & colours

4 different modules and 5 different colours

Merten System D

Product fills gap in Merten System D range

Display & Design

Modern and clean design. Very good haptics for great user experience.

Tools

Programmable with ETS and eConfigure for a faster and less complicated commissioning

Brick Concept

- Maximum flexibility with universal module
- Flexible selection of the number of rockers with up to 16 different combinations
- Faster answer to quotation
- Easier changes during/after installation and in last-minute

“ We provide the most flexible solution for system integrator and electricians to accomplish their job with hyper efficiency.”



KNX Push Button dynamic labelling

Functions to mention

“ We provide the most flexible solution for system integrator and electricians to accomplish their job with hyper efficiency.”



Temperature sensor

Room temperature can be measured and be sent to a corresponding actuator (with controller) for control.

Locking function

To block e.g. shutter in case of strong wind.

Night mode

Different configuration of display brightness

Cleaning Mode

Blocks the rocker functions during cleaning process

Screen Saver

Displays temperature, time and date

Temperature Set point shift

The device allows the customer to change a pre-defined temperature set point directly on the device.

Proximity function

Proximity function can be used to set a specific behavior of the device when coming close

Programming mode

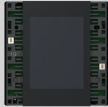
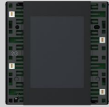
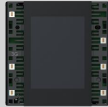
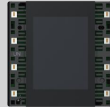




Programming mode accessible from front rockers and backside. Easy to access after installation in the wall.

Rocker functions

Toggle, switching, dimming, shutter, edge, 1-bit, 2-bit (priority), 4-bit, 1-byte, edge, 2-byte, 8 bit slider, scene, RGB/RGBW, color control, color temperature control (Tuneable White)

KNX Push Button dynamic labelling

Assortment

	1-gang	2-gang	3-gang	4-gang Universal
				
Push button module	MTN6191-6010	MTN6192-6010	MTN6193-6010	MTN6194-6010
				
Rocker set Lotus white	MTN6191-6035	MTN6192-6035	MTN6193-6035	MTN6194-6035
Rocker set Anthracite	MTN6191-6034	MTN6192-6034	MTN6193-6034	MTN6194-6034
Rocker set Stainless steel	MTN6191-6036	MTN6192-6036	MTN6193-6036	MTN6194-6036
Rocker set Nickel metallic	MTN6191-6050	MTN6192-6050	MTN6193-6050	MTN6194-6050
Rocker set Mocca metallic	MTN6191-6052	MTN6192-6052	MTN6193-6052	MTN6194-6052

General settings (1/4)

Define functions

General settings	
Extended settings	
+ Function 1 - Toggle Floor lamp	Function 1 Toggle
+ Function 2 - Dimming Spot	Function 2 Dimming
+ Function 3 - Scene Low	Function 3 Scene
+ Function 4 - Scene High	Function 4 Scene
+ Function 5 - Blind Blind up	Function 5 Blind
+ Function 6 - Blind Blind down	Function 6 Blind
+ Function 7 - Temperature inc...	Function 7 Temperature increase
+ Function 8 - Temperature de...	Function 8 Temperature decrease

KNX Push Button Dynamic Labeling, universal

Button function

Function 1 Toggle

Function 2 Dimming

Function 3 Scene

Function 4 Scene

Function 5 Blind

Function 6 Blind

Function 7 Temperature increase

Function 8 Temperature decrease

i Express settings: Press button ≥ 0.5s for long operation, apply to Dimming.../Moving blind...function; Press button ≥ 10s for save scene, apply to Scene function

- Number of functions is depending on the number of buttons:
 - 1-gang – 2 functions
 - 2-gang – 4 functions
 - 3-gang – 6 functions
 - Universal – 8 functions

No function

No function ✓

Toggle

Switch

Dimming

Blind

Edges 1bit, 2bit(Priority), 4bit, 1byte values

Edges with 2byte values

8 bit slider

Scene

RGB lighting

Colour temperature control


Temperature decrease

Temperature increase

General settings (2/4)

Define functions


General settings	
Extended settings	
+ Function 1 - Toggle Floor lamp	
+ Function 2 - Dimming Spot	
+ Function 3 - Scene Low	
+ Function 4 - Scene High	
+ Function 5 - Blind Blind up	
+ Function 6 - Blind Blind down	
+ Function 7 - Temperature inc...	
+ Function 8 - Temperature de...	
Logic functions	

Device type	
Device type	Universal
Device setting for	Left side Right side
Number of button	4 4
Product preview	

- For the universal version
 - Choose the number of buttons on the left and right side
 - For 1-, 2- and 3-gang the numbers are fixed

General settings (4/4)

Middle field display

General settings	Middle field display
Extended settings	Indication type of line 1 <input type="text" value="Icon + Text"/>
+ Function 1 - Toggle Floor lamp	Description (max 10char.) <input type="text"/>
+ Function 2 - Dimming Spot	<div style="border: 1px solid #ccc; padding: 5px;">i The text showing depends on the width of letter used. Please check the correct visualization in the display.</div>
+ Function 3 - Scene Low	Icon preview 
+ Function 4 - Scene High	Icon <input type="text" value="Bulb_On"/>
+ Function 5 - Blind Blind up	Colour for icon status <input type="text" value="White"/>
+ Function 6 - Blind Blind down	Indication type of line 2 <input type="text" value="Text only"/>
+ Function 7 - Temperature inc...	Description (max 10char.) <input type="text"/>
+ Function 8 - Temperature de...	<div style="border: 1px solid #ccc; padding: 5px;">i The text showing depends on the width of letter used. Please check the correct visualization in the display.</div>
Logic functions	Indication type of line 3 <input type="text" value="Text only"/>
	Description (max 10char.) <input type="text"/>
	<div style="border: 1px solid #ccc; padding: 5px;">i The text showing depends on the width of letter used. Please check the correct visualization in the display.</div>

- The middle fields are configured separately from the buttons

- Number of middle fields depends on the number of buttons:

- 1-gang – 1 middle field
- 2-gang – 2 middle fields
- 3-gang – 3 middle fields
- Universal – 4 middle fields



- Text and icon options are static information's
- For temperature options, see chapter “Setpoint shift of external controller”

<input type="text" value="Text only"/>
<input checked="" type="text" value="Text only"/>
<input type="text" value="Icon only"/>
<input type="text" value="Icon + Text"/>
<input type="text" value="Temperature only"/>
<input type="text" value="Temperature + Text"/>
<input type="text" value="Not used"/>

Function settings in General

Example Toggle

General settings

Extended settings

Function 1 - Toggle Floor lamp

Toggle

Function 2 - Dimming Spot

Function 3 - Scene Low

Function 4 - Scene High

Function 5 - Blind Blind up

Function 6 - Blind Blind down

Function 7 - Temperature incre...

Function 8 - Temperature decr...

Temperature decrease

Logic functions

Express settings for toggle

Name of the channel

i The text showing depends on the width of letter used. Please check the correct visualization in the display.


Locking function

How the status indication is triggered?

Extended settings for toggle


Icon configuration

Indication type

Icon preview 

Icon for status on

Colour for status on

Icon preview 

Icon for status off

Colour for status off

Icon only

Icon only ✓

Icon + Name of the channel

No icon

Bulb_On ✓

Bulb_Off

Spot lamp

Floor lamp

Ceiling lamp

Outdoor lamp

Dimming

Blind

Blind down

Blind up

Shutter

Shutter up

Shutter down

Radiator

White ✓

Green

Blue

Red

Orange

Yellow

Function settings in General

Icon collection



Function settings

RGB lighting function

General settings

Extended settings

Function 1 - RGB lighting

RGB lighting

Logic functions

Settings for RGB lighting

Name of the channel

i The text showing depends on the width of letter used. Please check the correct visualization in the display.

Locking function

RGB strip type RGB RGBW

Object type 1x6byte 4x1byte

Number of operations 1 (short operation) 2 (short/long operation)

Send value (short operation)

RGB value 1

White value 1

How the status indication is triggered?

Icon configuration

- Send one or two colour values (short/long press)
- RGB – 2 formats
- RGBW – two fomats, white is set and sent separately

#000000

R

G

B

H

0 %

0 %

- Long operation = On / Release = Off
- Status feedback object 1 bit
 - Status feedback object value 1 byte
 - Operation = On / Release = Off
 - Operation =Off / Release = On
 - Long operation = On / Release = Off ✓
 - Always on = Off
 - Always on = On

Function settings

Colour temperature function

General settings

Extended settings

Function 1 - Colour temperat...

Colour temperature

Logic functions

Settings for colour temperature control

Name of the channel

i The text showing depends on the width of letter used. Please check the correct visualization in the display.

Locking function Disable ▾

Number of operations 1 (short operation) 2 (short/long operation)

Send value (short operation)

Brightness value 1 100% ▾

Colour temperature value 1 5000 ▾

How the status indication is triggered? Long operation = On / Release = Off ▾

Icon configuration

Name	Object Function	Length	Data Type	R	W	T	U
Function 1	Brightness value	1 byte	percentage (0..100%)	-	-	T	-
Function 1	Colour temperature value	2 bytes	absolute colour tempe...	-	-	T	-

- Send one or two colour temperature values (short/long press) in Kelvin
- CT format: absolute 2 byte
- A 1 byte brightness value can be sent at the same time (optional)

Long operation = On / Release = Off ▾

Status feedback object 1 bit

Status feedback object value 1 byte

Operation = On / Release = Off

Operation = Off / Release = On

Long operation = On / Release = Off ✓

Always on = Off

Always on = On

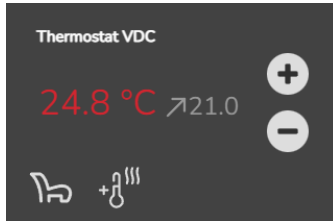
Room Temperature Control

Heating and/or Cooling



- Temperature measurement
- Setpoint change
- Operating mode (optional)
- Heating/Cooling change-over (optional)

Setpoints of 4 controllers can be controlled from a universal push-button (local temp measurement still required)



- Setpoint change
- Operating mode
- Heating/Cooling change-over



Extended settings

Standby mode



*Pictures not correct quality