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Test Project

KNX programming specification – C1

Electrical Installations

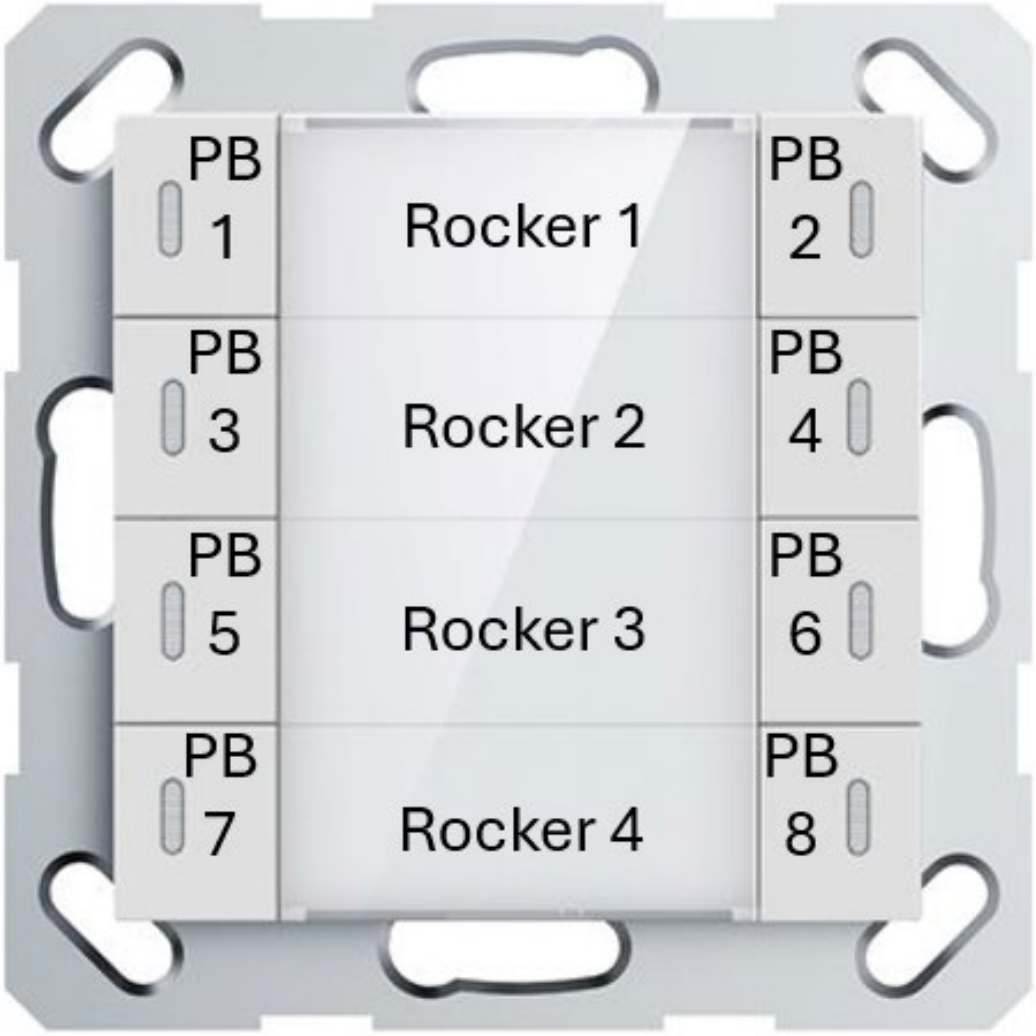
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KNX SW1-4

SW1 to SW4 use the button positions shown below.



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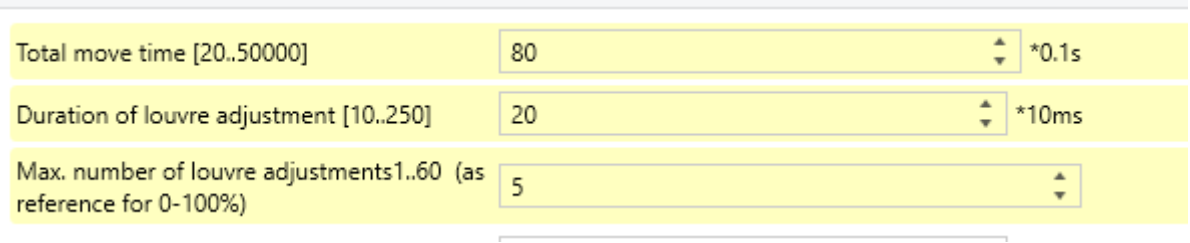
SW1 Light 1-3

SWITCH	BUTTON	REQUIRED FUNCTION	STATUS LED
SW1	1	Short press → L1: On	L1 On = LED ON (RED) L1 Off = LED OFF
SW1	2	Short press → L1: Off	L1 On = LED ON (RED), L1 Off = LED OFF
SW1	3	Short press → L2: On	L2 On = LED ON (RED) L2 Off = LED OFF
SW1	4	Short press → L2: Off	L2 On = LED ON (RED) L2 Off = LED OFF
SW1	5	Short press → L3: On	L3 On = LED ON (RED) L3 Off = LED OFF
SW1	6	Short press → L3: Off	L3 On = LED ON (RED) L3 Off = LED OFF
SW1	7	Short press → L1+L2+L3: On	If L1, L2 OR L3 = ON (BLUE) If L1, L2 AND L3 Off = LED OFF
SW1	8	Short press → L1+L2+L3: Off	If L1, L2 OR L3 = ON (BLUE) If L1, L2 AND L3 Off = LED OFF

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SW2 Blinds

Set the travel time of the blind to the following parameters



SWITCH	BUTTON	REQUIRED FUNCTION	STATUS LED
SW2	1	Short press → Blind: Stop/Step Long press (>0,5s) → Blind: UP	Button press (Green)
SW2	2	Short press → Blind: Stop/Step Long press (>0,5s) → Blind: DOWN	Button press (Green)
SW2	3	Short press → Wind Alarm ON (Blind Locked in UP position)	Wind alarm Activ = LED ON (RED) Wind alarm not active = LED OFF
SW2	4	Short press → Wind Alarm OFF	Wind alarm Activ = LED ON (RED) Wind alarm not active = LED OFF

SW2 Dali lights

SWITCH	BUTTON	REQUIRED FUNCTION	STATUS LED
SW2	5	Short press → L1D: ON Long press → L1D: Dim Up	
SW2	6	Short press → L1D: Off Long press → L1D: Dim down	
SW2	7	Short press → L1D: ON/OFF (Toggle) Long press → L1D: Dim Up/Down	
SW2	8	Short press → L2D: ON/OFF (Toggle) Long press → L2D: Dim Up/Down	

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SW3 Walkway lights

SWITCH	BUTTON	REQUIRED FUNCTION	STATUS LED
SW3	1	Short press → WL01: On Long press (>1s) → WL01: Off	
SW3	2	Short press → WL02: Off Long press (>1s) → WL02: On	
SW3	3	Short press → WL01: On/Off (Toggle)	
SW3	4	Short press → WL02: On/Off (Toggle)	
SW3	5	Short press → WL03: On	
SW3	6	Short press → WL03: Off	
SW3	7	Short press → Activate sequence Immediately: WL01 ON - Then Wait 1 sec: WL02 ON- Then Wait 1 sec: WL03 ON- Then Wait 1 sec: WL01,02,03 OFF	
SW3	8	Short press → Activate sequence Immediately: WL01 OFF - Then Wait 1 sec: WL02 OFF - Then Wait 1 sec: WL03 OFF - Then Wait 1 sec: WL01,02,03 ON	

KNX Motion detector

If movement: WL01, WL02, WL 03 ON

If there is no movement and 10 seconds time delay: WL01, WL02, WL03 OFF

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SW4 Socket 1-4

SWITCH	BUTTON	REQUIRED FUNCTION	STATUS LED
SW4	1	Short press → S01: On	
SW4	2	Short press → S01: OFF	
SW4	3	Short press → S02: On/Off (Toggle)	
SW4	4	Short press → S03: On/Off (Toggle)	
SW4	5	Short press → S04: On	
SW4	6	Short press → S04: OFF	
SW4	7	Short press → S01, S02, S03 and S04: On	
SW4	8	Short press → S01, S02, S03 and S04: Off	

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Siemens touchscreen

Display mode: Horizontal

Proximity sensor: Enabled

Screen saver: Disabled

Homepage 1:

Description / Headline of the page: Worldskills 26 (Displayed on the button part of the screen)

Icon 1: RGB

RGB-wheel controlling the colour of the Worldskills RGB light

Icon 2: Motion Detector

Display the live lux value from the Motion detector

Display if it's motions or no motion (10 second delay)

Icon 3: Socket

Turn socket 5 On/Off

Show the Watt costumed by the socket 5

Turn socket 6 On/Off

Show the Watt costumed by the socket 6

You can choose whichever icons you prefer for the different pages on the touch panel.

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