# KNX MODULAR MULTI COLOR PUSH BUTTONS

WRKT63215NC KNX MODULAR PUSH BUTTON MULTI COLOR 1 GANG 2M
WRKT63225NC KNX MODULAR PUSH BUTTON MULTI COLOR 2 GANG 2M
WRKT63335NC KNX MODULAR PUSH BUTTON MULTI COLOR 3 GANG 3M
WRKT63245NC KNX MODULAR PUSH BUTTON MULTI COLOR 4 GANG 2M
WRKT63445NC KNX MODULAR PUSH BUTTON MULTI COLOR 4 GANG 4M
WRKT64215NC KNX MODULAR PUSH BUTTON MULTI COLOR+TEMP 1 GANG 2M
WRKT64225NC KNX MODULAR PUSH BUTTON MULTI COLOR+TEMP 2 GANG 2M
WRKT64335NC KNX MODULAR PUSH BUTTON MULTI COLOR+TEMP 3 GANG 3M
WRKT64245NC KNX MODULAR PUSH BUTTON MULTI COLOR+TEMP 4 GANG 2M
WRKT64445NC KNX MODULAR PUSH BUTTON MULTI COLOR+TEMP 4 GANG 4M

Reference Manual

**CONTENTS**

# 1. List of Abbreviations

| Abbreviation | Description |
|---|---|
| PB | Push button |
| BAU | Bus Access Unit |
| DPT | Data point type |
| ETS | Engineering tool software |
| NA | Not available |
| Rocker X | X refers to the rocker number(1/2/3/4) |
| **KNX Communication Flags** | |
| C | Communication |
| R | Read |
| W | Write |
| T | Transmit |
| U | Update |
| **Icons** | |
| ☐ | Unchecked checkbox |
| ☒ | Checked checkbox |

# 2. Product Description

KNX switches with up to 4 rockers and 2 RGB LEDs per rocker feature built-in temperature and humidity sensors. They can be used to send commands to the KNX system for controlling actuators, dimming or switching lights ON/OFF, moving blinds up or down, saving and recalling light scenes, or controlling floor heating functions.

## 2.1. Specifications

- Floor heating control
- Humidity measurement
- Switching control
- Dimming control
- Blinds control
- Scene control
- Value dimming control
- Value transmitter control
- Single button operations
- Power supply via KNX bus (Works without external power supply)

## 2.2. Technical Specifications

| | |
|---|---|
| **Power** | |
| Operating voltage | DC 21-32 V (from KNX bus) |
| Current consumption | Max 10mA from KNX Bus |
| **Buttons/LEDs** | |
| Push Buttons | 1 x KNX Programming Button, 2/4/6/8 Function buttons |
| LED Indicators | 1 x KNX Programming LED, 2/4/6/8 RGB Function LEDs |
| **Sensors** | |
| Temperature Sensor | 1 x onboard NTC sensor |
| Humidity Sensor | 1 x onboard humidity sensor |
| **Environmental conditions** | |
| Operation temperature | -5 °C …+45° C |
| Storage temperature | -10 °C … +55 °C |
| Transportation temperature | -25 °C … +70 °C |
| Relative humidity | 0…100% (non-condensing) |
| **Housing** | |
| Dimensions Electronic Group (HxWxD) | 50.0x50.0x22.4 (mm) |
| Dimensions BAU (HxWxD) | 70.5x70.50x31.1 (mm) |
| KNX bus connection | KNX connector (243-211 Wago) |
| **Electrical safety** | |
| Protection type (IEC60529) | IP 20 |
| Pollution degree (IEC60664) | 2 |
| Protection class (IEC61140) | II |
| Overvoltage category (IEC60664) | III |
| **Standards** | |
| EMC | EN 63044-5-1, EN 63044-5-2, EN 63044-5-3 |
| LVD | EN 63044-1 ve EN 63044-3 |
| KNX | EN 50090 |

*Table 1: Technical specifications*

## 2.3. Dimensional Drawings

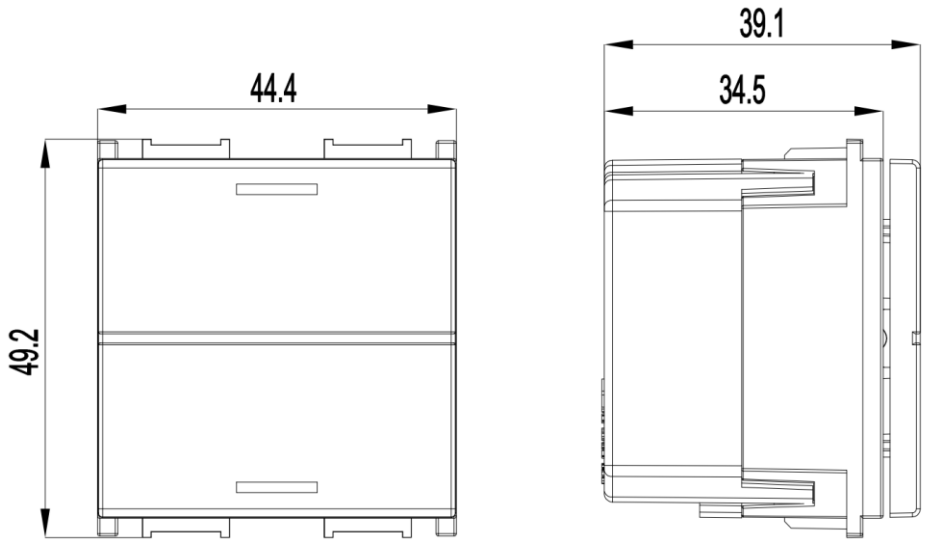


*Figure 1: Top and side view of the 1 Gang 2M KNX Switch*

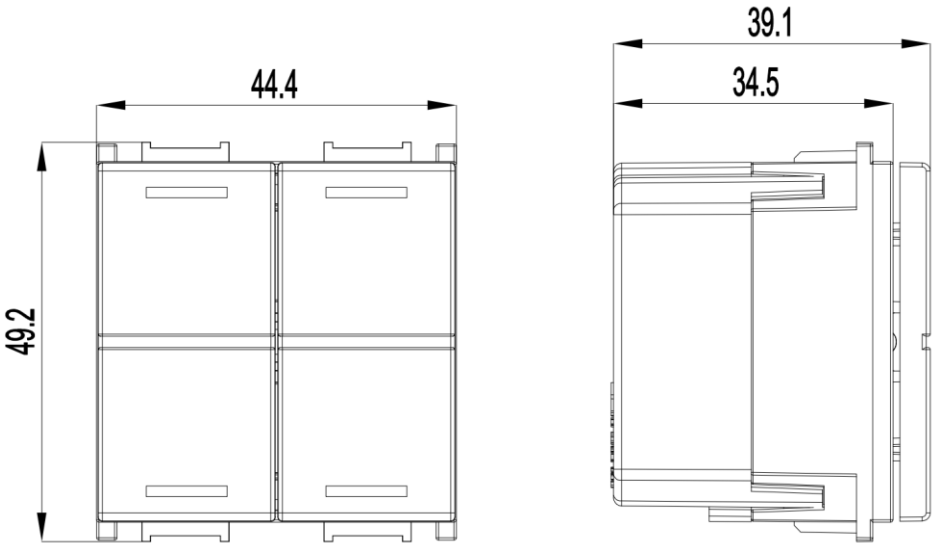


*Figure 2: Top and side view of the 2 Gang 2M KNX Switch*

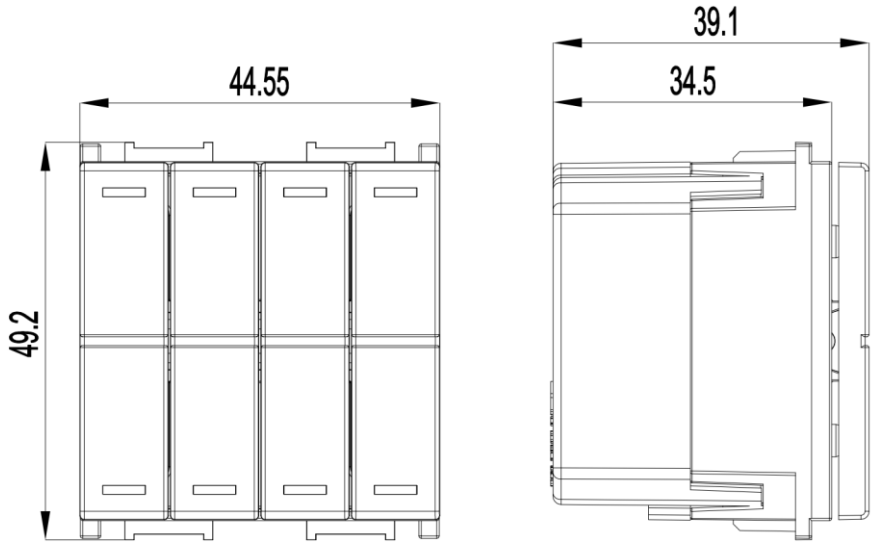


*Figure 3: Top and side view of the 4 Gang 2M KNX Switch*

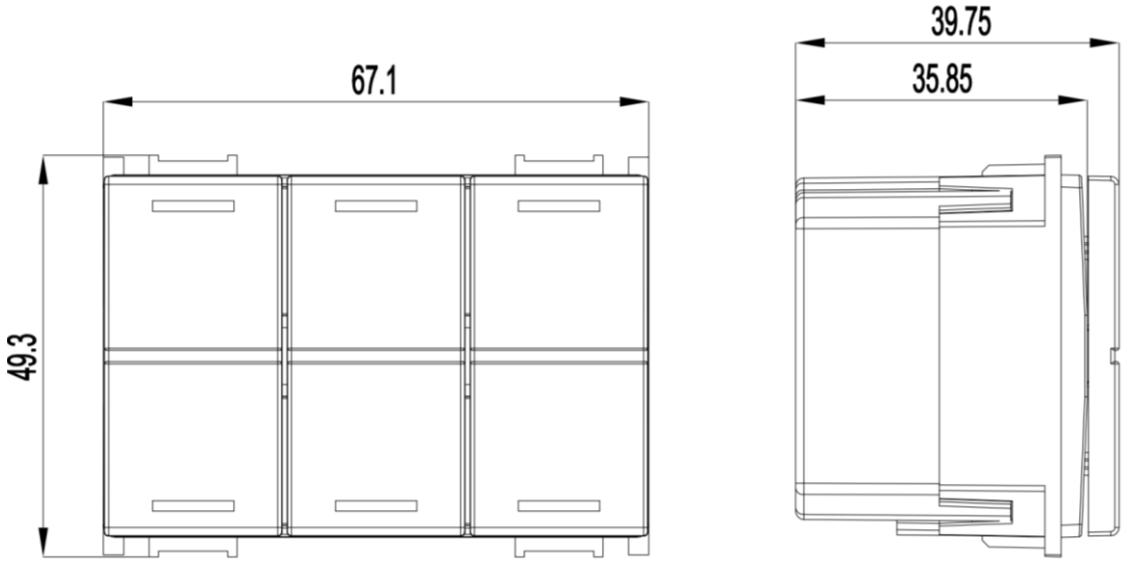


*Figure 4: Top and side view of the 3 Gang 3M KNX Switch*

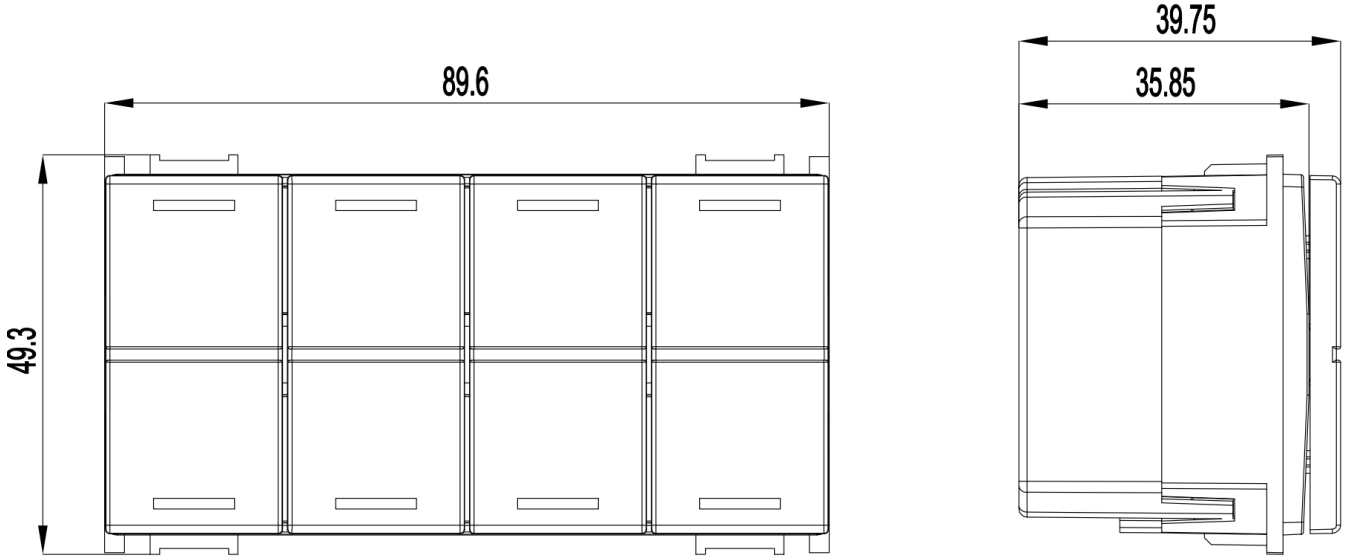


*Figure 5: Top and side view of the 4 Gang 4M KNX Switch*

## 2.4. Installation

KNX push button series can be installed inside the mounting box on the wall. You can see the mounting instructions below;

- Connect the cables as shown in the connection diagram (Figure 6).
- Place the mounting frame (1) in the mounting box and fasten the screws of the claws with an appropriate screwed driver.
- Place the module (2) to the mounting frame (1) with the help of clips.
- Place the frame (3) to the mounting frame (1).
- Place the button (4) on the frame (3).

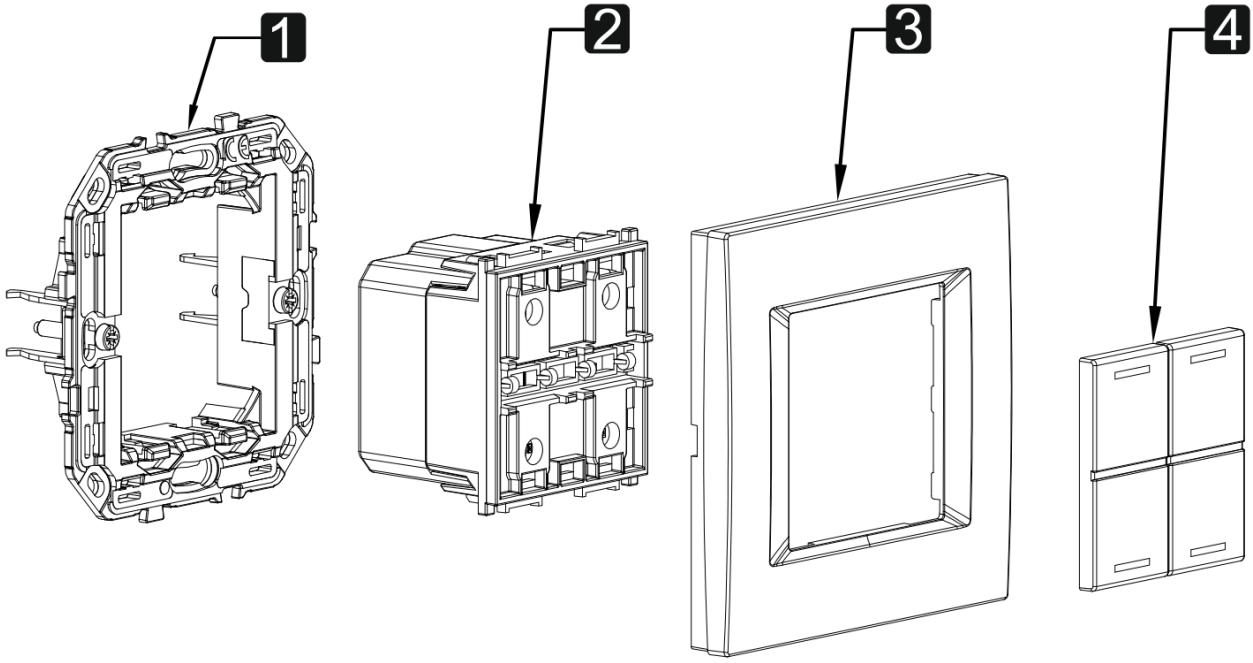


*Figure 6: KNX modular push button connection diagram*

## 3. ETS Parameters and Objects Descriptions

KNX modular push button is fully compatible with KNX systems, and all device configurations can make by ETS software.

After adding the KNX modular push button device to the ETS project, default parameters can be seen on the parameters tab. Those parameters must be changed according to the installation setup.

## 3.1. General Settings

### 3.1.1. General Functions

#### 3.1.1.1. General Functions Parameters

| Name | | Description |
|---|---|---|
| **Programming Mode** | | |
| Programming mode operation | **Only at bottom of device**<br>Display also via LED 1<br>Operation and display also via rocker 1 | This parameter defines the operating and displaying the programming mode method.<br><br>• If set to **"Only at bottom of device"**, programming mode can be activated only by pressing the programming button at the backside of the device.<br>• If set to **"Display also via LED 1"**, programming mode can be activated only by pressing the programming button at the backside of the device. And while programming mode is active the LED of rocker 1 will be flashing.<br>• If set to **"Operation and display also via rocker 1"**, Programming mode can be activated by entering a code through rocker 1(Please see section **3.1.1.2 Activating/Deactivating Programming Mode Via Rocker 1**). While programming mode is active, the LED of rocker 1 will be flashing. |
| **Start-up Delay** | | |
| Start-up delay function | ☐<br>☒ | • If the checkbox is checked, the start delay function is activated.<br>• If the checkbox is unchecked, the start delay function is deactivated. |
| Start-up delay | 3…**5**…255 s | This parameter defines the delay time for startup in seconds.<br>After bus voltage recovery, the device always waits the delay time to expire before sending telegrams to the bus. |
| **Blocking** | | |
| Block function | ☐<br>☒ | • If the check box checked activates the block function. And **"Block"** communication object appears on the group objects page.<br>• If the check box unchecked deactivates the block function. And **"Block"** communication object disappears from the group objects page. |
| Delay for blockage | ☐ | This parameter is visible if **"Block function"** parameter is enabled. |

| | | |
|---|---|---|
| | ☒ | • If the check box checked activates the "**Time Value"** parameter.<br>• If the check box unchecked deactivates the "**Time Value"** parameter. |
| Time value*(For Delay for blockage)* | 1..**5**..255 | This parameter is visible if **the "Delay for blockage"** parameter is enabled. And it sets the timer value which delays the blocking function after the **"Block"** communication object is triggered. |
| Delay for enabling | ☐<br>☒ | This parameter is visible if **"Block function"** parameter is enabled.<br>• If the check box checked activates the "**Time Value"** parameter.<br>• If the check box unchecked deactivates the "**Time Value"** parameter. |
| Time value*(For Delay for blockage)* | 1..**5**..255 | This parameter is visible if the **"Delay for enabling"** parameter is enabled. And it sets the timer value which delays the (enabling)unblocking function after the **"Block"** communication object is triggered. |
| LED behaviour during disable | OFF<br>**Proceed position** | This parameter is visible if **"Block function"** parameter is enabled.<br>• Selecting **"OFF"** turns off the feedback LEDs during the blocking.<br>• Selecting **"Proceed position"** keeps the feedback LEDs status during the blocking. |
| Function status after bus voltage recovery | **Disable**<br>Enable<br>As before bus failure | This parameter is visible if **"Block function"** parameter is enabled.<br>• If set to **"Disabled"** deactivates the blocking function after the bus voltage recovery.<br>• If set to **"Enabled"** activates the blocking function after the bus voltage recovery.<br>• If set to **"As before bus failure"** keeps the blocking function status after the bus voltage recovery. |
| **LED Settings** | | |
| Feedback LEDs Brightness | 0…**100** | This parameter changes the feedback LEDs brightness value. |
| Change feedback LEDs brightness with object | ☐<br>☒ | • If the check box is checked activates the adjusting LED Brightness by communication object function. And **"LED Brightness"** communication object appears on the group objects page.<br>• If the check box is unchecked deactivates the adjusting LED Brightness by communication object function. And **"LED Brightness"** |

| | | |
|---|---|---|
| | | communication object disappears from the group objects page. |
| **Device informations** | | |
| Device informations | | Pressing “Read” button shows the device software version. |

#### 3.1.1.2. Activating/Deactivating Programming Mode Via Rocker 1

To be able to activate programming mode via rocker 1 **“Programming mode operation**” parameter must be set to the **“Operation and display also via rocker 1”**.

Programming mode can be activated by entering the code below through rocker 1. While programming mode is active, the LED of rocker 1 will be flashing.

Press the left and right part of rocker 1 in the order below to set or clear programming mode.

***upper → lower → lower → upper → upper → lower***

***Important:*** *This sequence must be entered within a delay of max. 5 s.*

#### 3.1.1.3. General Group Objects

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *0* | *General* | *Block* | *1 Bit* | *1.003 Enable* | ☒ | ☐ | ☒ | ☐ | ☐ |

This object is available if **“Block function”** parameter is enabled. It is used to block or unblock the bush button functions.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *1* | *General* | LED Brightness | *1 Byte* | *5.001 Percentage (0..100%)* | ☒ | ☐ | ☒ | ☐ | ☐ |

This object is available if the ***“Change feedback LEDs brightness with object”*** parameter is enabled. It is used to change button feedback LEDs’ brightness.

### 3.1.2. Sensor Settings

In this page sensors related parameters and object settings can be determined.

#### 3.1.2.1. Sensor Settings Parameters

| Name | | Description |
|---|---|---|
| **Temperature Sensor** | | |
| Sending temperature | ☐<br>☒ | This parameter activates/deactivates the sending temperature function.<br>• If the checkbox is checked, the sending temperature function is enabled. And the **"Actual Temperature"** communication object appears on the group objects page.<br>• If the checkbox is unchecked, the sending temperature function is disabled. And the **"Actual Temperature"** communication object disappears from the group objects page. |
| Sending condition | **On change**<br>Cyclic | This parameter is shown when the **"Sending temperature"** parameter is enabled and used to select the telegram sending condition.<br>• If set to **"On Change"**, the **"Changing value"** parameter shows below and the **"Actual Temperature"** communication object is triggered when the temperature changes as big as the **"Changing value"** parameter.<br>• If set to **"Cyclic"**, the **"Sending period"** parameter shows below and the **"Actual Temperature"** communication object is triggered periodically. Sending period can be adjusted by **"Sending period"** parameter below. |
| Changing value | 0.1k<br>0.2k<br>0.3k<br>0.4k<br>**0.5k**<br>0.6k<br>0.7k<br>0.8k<br>1.0k<br>1.5k<br>2.0k<br>2.5k<br>3.0k | This parameter is shown when the **"Sending condition"** parameter is set to **"On change"** and used to define telegram sending change value. The **"Actual Temperature"** communication object is triggered when the temperature changes as big as the **"Changing value"** parameter. |
| Sending period | 3 sec.<br>5 sec.<br>15 sec<br>30 sec.<br>1 min.<br>2 min.<br>3 min.<br>**5 min.**<br>10 min.<br>15 min.<br>30 min.<br>45 min.<br>60 min. | This parameter is shown when the **"Sending condition"** parameter is set to **"Cyclic"** and used to define telegram sending period value. The **"Actual Temperature"** communication object is triggered periodically at this adjusted time. |
| Offset of temperature sensor | -50..**0**..50 | This parameter is shown when the **"Sending temperature"** parameter is enabled and used to define the temperature offset value. The temperature offset value is used to shift the temperature value according to the difference between measured value and the real ambient temperature.<br>Note: Temperature offset value unit is 0.1C. |
| **Humidity Sensor** | | |

| | | |
|---|---|---|
| Sending humidity | | This parameter activates/deactivates the sending humidity value function.<br>• If the checkbox is checked, the sending humidity function is enabled. And the **"Actual Humidity"** communication object appears on the group objects page.<br>• If the checkbox is unchecked, the sending humidity function is disabled. And the **"Actual Humidity"** communication object disappears from the group objects page. |
| Sending condition | **On change**<br>Cyclic | This parameter is shown when the **"Sending Humidity"** parameter is enabled and used to select the telegram sending condition.<br>• If set to **"On Change"**, the **"Changing value"** parameter shows below and the **"Actual Humidity"** communication object is triggered when the temperature changes as big as the **"Changing value"** parameter.<br>• If set to **"Cyclic"**, the **"Sending period"** parameter shows below, and the **"Actual Humidity"** communication object is triggered periodically. Sending period can be adjusted by **"Sending period"** parameter below. |
| Changing value | 1%<br>2%<br>3%<br>4%<br>**5%**<br>6%<br>7%<br>8%<br>9%<br>10% | This parameter is shown when the **"Sending condition"** parameter is set to **"On change"** and used to define telegram sending change percentage value. The **"Actual Humidity"** communication object is triggered when the humidity changes as big as the **"Changing value"** parameter. |
| Sending period | 3 sec.<br>5 sec.<br>15 sec<br>30 sec.<br>1 min.<br>2 min.<br>3 min.<br>**5 min.**<br>10 min.<br>15 min.<br>30 min.<br>45 min.<br>60 min. | This parameter is shown when the **"Sending condition"** parameter is set to **"Cyclic"** and used to define telegram sending period value. The **"Actual Humidity"** communication object is triggered periodically at this adjusted time. |
| Offset of humidity sensor | -50…50 | This parameter is shown when the **"Sending humidity"** parameter is enabled and used to define the humidity offset value. The humidity offset value is used to shift the humidity value according to the difference between measured value and the real ambient humidity. |
| **Floor heating Control** | | |
| Floor heating control function | ☐<br>☒ | This parameter activates/deactivates the floor heating function.<br>• If the checkbox is checked, the floor heating function is enabled. And the **"Regulation ON/OFF", "Regulation ON/OFF Feedback", "Current Setpoint", "Current Setpoint Feedback", "Control Value"** communication objects appear on the group objects page.<br>• If the checkbox is unchecked, the floor heating function is disabled. And the **"Regulation ON/OFF", "Regulation ON/OFF Feedback", "Current Setpoint", "Current Setpoint Feedback",** |

| | | |
|---|---|---|
| | | **"Control Value"** communication objects disappear from the group objects page. |
| Control object type | **1-bit**<br>1-byte | This parameter is shown when the **"Floor heating control function"** is enabled and defines the types of the **"Control Value"** communication object.<br>• If set to the **"1-bit"**, the **"Control Value"** communication object type set to 1-bit.<br>• If set to the **"1-byte"**, the **"Control Value"** communication object type set to 1-byte. |
| Hysteresis | 0.1k<br>0.2k<br>0.3k<br>0.4k<br>**0.5k**<br>0.6k<br>0.7k<br>0.8k<br>1.0k<br>1.5k<br>2.0k<br>2.5k<br>3.0k | This parameter is shown when the **"Floor heating control function"** is enabled and used for temperature regulation. The **"Control Value"** communication object is triggered when the temperature difference between ambient temperature and the setpoint temperature is bigger than the **"Hysteresis"** set value. |
| Control value sending condition | **On change**<br>Cyclic | This parameter used to select the telegram sending condition.<br>• If set to **"On Change"**, the **"Control Value"** communication object is triggered when the **"Control Value"** communication object value is changed.<br>• If set to **"Cyclic"**, the **"Sending period"** parameter shows below, and the **"Control Value"** communication object is triggered periodically. Sending period can be adjusted by **"Sending period"** parameter below. |
| Sending period | 3 sec.<br>5 sec.<br>15 sec<br>30 sec.<br>1 min.<br>2 min.<br>3 min.<br>**5 min.**<br>10 min.<br>15 min.<br>30 min.<br>45 min.<br>60 min. | This parameter is shown when the **"Control value sending condition"** parameter is set to **"Cyclic"** and used to define telegram sending period value. The **"Control Value"** communication object is triggered periodically at this adjusted time. |
| Function status after bus voltage recovery | **Disable**<br>Enable<br>As before bus failure | • If set to **"Disabled"** deactivates the Floor heating control function after the bus voltage recovery.<br>• If set to **"Enabled"** activates the Floor heating control function after the bus voltage recovery.<br>• If set to **"As before bus failure"** keeps the Floor heating control function status after the bus voltage recovery. |

### 3.1.2.2. Sensor Settings Group Objects

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *2* | *General* | *Actual Temperature* | *2 Bytes* | *9.001 temperature* | ☒ | ☒ | ☐ | ☒ | ☒ |

This object is available if **"Sending Temperature"** parameter is enabled. It is used to send current ambient temperature value.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *3* | *General* | *Actual Humidity* | *1 Byte* | *9.007 Humidity* | ☒ | ☒ | ☐ | ☒ | ☐ |

This object is available if the **"Sending Humidity"** parameter is enabled. It is used to send current ambient humidity value.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *4* | *Floor Heating Control* | *Regulation ON/OFF* | *1 Bit* | *1.001 switch* | ☒ | ☐ | ☒ | ☐ | ☐ |

This object is available if the **"Floor heating control function"** parameter is enabled. Regulation function can be turned on/off by triggering this object. Sending **"0"** to this communication object deactivates the temperature regulation function and sending **"1"** activates the temperature regulation function.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *5* | *Floor Heating Control* | *Regulation ON/OFF Feedback* | *1 Bit* | *1.001 switch* | ☒ | ☒ | ☐ | ☒ | ☒ |

This object is available if the **"Floor heating control function"** parameter is enabled. It is used to send current floor heating regulation status of the device.

.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *6* | *Floor Heating Control* | *Current Setpoint* | *2 Bytes* | *9.001 temperature* | ☒ | ☐ | ☒ | ☒ | ☐ |

This object is available if the **"Floor heating control function"** parameter is enabled. Set temperature can be updated by sending the desired temperature value to this object.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *7* | *Floor Heating Control* | *Current Setpoint Feedback* | *2 Byte* | *9.001 temperature* | ☒ | ☒ | ☐ | ☒ | ☐ |

This object is available if the **"Floor heating control function"** parameter is enabled. It is used to monitor the set temperature of the **"Floor heating control function"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *8* | *Floor Heating Control* | *Control Value* | *1 Bit* | *1.003 enable* | ☒ | ☒ | ☐ | ☒ | ☐ |

This object is available if the **"Floor heating control function"** parameter is enabled and the **"Control object type"** is selected as **"1-bit"**. It is used to activate/deactivate the floor heating device. Sends **"0"** to deactivate the floor heating device and sends **"1"** to activate the floor heating device.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *9* | *Floor Heating Control* | *Control Value* | *1 Byte* | *4.003 character* | ☒ | ☒ | ☐ | ☒ | ☐ |

This object is available if the **"Floor heating control function"** parameter is enabled and the **"Control object type"** is selected as **"1-byte"**. It is used to activate/deactivate the floor heating device. Sends **"0"** to deactivate the floor heating device and sends **"1"** to activate the floor heating device.

### 3.1.3. Rocker Configuration

#### 3.1.3.1. Sensor Settings Parameters

| Name | | Description |
|---|---|---|
| **Configuration of Rockers** | | |
| **Rocker X** | Disable<br>**Switching**<br>Dimming<br>Shutter / Blind<br>Scene<br>Value dimming<br>Value transmitter<br>Single button operation | This parameter used for selecting or disabling the rocker function.<br>• If set to **"Disable"** the **"Rocker X"** page disappears from below. Rocker X related objects disappear from the group objects page. Pressing the rocker buttons does not perform any action.<br>• If set to **"Switching"** the **"Rocker X"** page appears below and related parameters can set at this page.<br>• If set to **"Dimming"** the **"Rocker X"** page appears below and related parameters can set at this page.<br>• If set to **"Shutter / Blind"** the **"Rocker X"** page appears below and related parameters can set at this page.<br>• If set to **"Scene"** the **"Rocker X"** page appears below and related parameters can set at this page. |

| | | |
|---|---|---|
| | | • If set to **“Value dimming”** the **“Rocker X”** page appears below, and related parameters can set at this page.<br>• If set to **“Value transmitter”** the **“Rocker X”** page appears below, and related parameters can set at this page.<br>• If set to **“Single button operation”** the **“Rocker X”** page appears below, and related parameters can set at this page. |

### 3.1.4. Rocker Switching Function

#### 3.1.4.1. Configuration Parameters

| **Name** | | **Description** |
|---|---|---|
| **Rocker X(**X refers to the rocker number**)** | | This page is visible if **“Rocker X”** selected as **“Switching”** at the **“Rocker Configuration”** page. |
| **Function** | | This page is visible if **“Rocker X”** page is visible. |
| **Rocker General Settings** | | |
| Rocker name | | Changes the Rocker X communication object name. The entered name is appended to the rocker X’s name. |
| **Button operation values** | | |
| Upper button operation | ☐<br>☒ | This parameter activates/deactivates the upper button operation.<br>• If the checkbox is checked, the upper button is activated. And the **“Rocker X”** communication objects appear on the group objects page if it is not already visible.<br>• If the checkbox is unchecked, the upper button is deactivated. The **“Rocker X”** communication object disappears from the group objects page if both the upper and the lower button operations are unchecked. |

| | | |
|---|---|---|
| Button operation | **OFF**<br>ON<br>Toggle | This parameter is visible if the **"Upper button operation"** is enabled.<br>• If set to **"OFF"** the **"Rocker X"** communication object sends **"0"** at button pressing.<br>• If set to **"ON"** the **"Rocker X"** communication object sends **"1"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X"** communication object inverts and sends the last button state at button pressing. |
| Lower button operation | ☐<br>☒ | This parameter activates/deactivates the lower button operation.<br>• If the checkbox is checked, the lower button is activated. And the **"Rocker X"** communication objects appear on the group objects page if it is not already visible.<br>• If the checkbox is unchecked, the lower button is deactivated. The **"Rocker X"** communication object disappears from the group objects page if both the upper and the lower button operations are unchecked. |
| Button operation | **OFF**<br>ON<br>Toggle | This parameter is visible if the **"Lower button operation"** is enabled.<br>• If set to **"OFF"** the **"Rocker X"** communication object sends **"0"** at button pressing.<br>• If set to **"ON"** the **"Rocker X"** communication object sends **"1"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X"** communication object inverts and sends the last button state at button pressing. |
| Transmit timing | **When pushing**<br>When releasing | • If set to **"When pushing"**, **"Rocker X"** communication object sends at button pressing.<br>• If set to **"When releasing"**, **"Rocker X"** communication object sends at button releasing. |

#### 3.1.4.2. Function Objects

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | Switching | *1 Bit* | *1.001 switch* | ☒ | ☐ | ☒ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Switching"** under the **"Rocker Configuration"** page.

### 3.1.5. Rocker Dimming Function

### 3.1.5.1. Configuration Parameters

| Name | | Description |
|---|---|---|
| **Rocker X(**X refers to the rocker number**)** | | This page is visible if **"Rocker X"** selected as **"Dimming"** at the **"Rocker Configuration"** page. |
| **Function** | | This page is visible if **"Rocker X"** page is visible. |
| **Rocker General Settings** | | |
| Rocker name | | Changes the Rocker X communication object name. The entered name is appended to the rocker X's name. |
| **Button operation values** | | |
| Rocker operation | **Upper:brighter/ON, lower:darker / OFF**<br>lower: brighter/ON, Upper: darker/OFF<br>Upper:brighter/toggle, lower:darker/toggle<br>lower: brighter/toggle, upper:darker/toggle | This parameter used to select the rocker operations.<br><br>• If set to **"Upper:brighter/ON, lower:darker/OFF"**, the rocker button works like below;<br>-Long stroke, upper rocker side=lighter<br>-Long stroke, lower rocker side=darker<br>-Short stroke, upper rocker side=ON<br>-Short stroke, lower rocker side=OFF<br><br>• If set to **"lower: brighter/ON, Upper: darker/OFF"**, the rocker button works like below;<br>-Long stroke, upper rocker side=darker<br>-Long stroke, lower rocker side=lighter<br>-Short stroke, upper rocker side=OFF<br>-Short stroke, lower rocker side=ON<br><br>• If set to **"lower: brighter/toggle, upper:darker/toggle"**, the rocker button works like below;<br>-Long stroke, upper rocker side=lighter<br>-Long stroke, lower rocker side=darker<br>-Short stroke, upper rocker side=toggle<br>-Short stroke, lower rocker side=toggle<br><br>• If set to **"lower: brighter/toggle, upper:darker/toggle"**, the rocker button works like below;<br>-Long stroke, upper rocker side=darker<br>-Long stroke, lower rocker side=lighter<br>-Short stroke, upper rocker side=toggle<br>-Short stroke, lower rocker side=toggle |

| | | |
|---|---|---|
| Dimmer increment | **100%**<br>50%<br>25%<br>12.5%<br>6%<br>3%<br>1.5% | This parameter used to select the dimming value. With a long keystroke, the dimming value is increases/decreases by the selected value until the key is released |
| Long keystore starting time | **30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes.<br>If the key is pressed at least as long as the set time, then a long keystroke will be registered. |

#### 3.1.5.2. Function Objects

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Switching* | *1 Bit* | *1.001 switch* | ☒ | ☐ | ☒ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Dimming"** under the **"Rocker Configuration"** page**.**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X* | *Dimming* | *1 Bit* | *3.007 dimming control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Dimming"** under the **"Rocker Configuration"** page.

### 3.1.6. Rocker Shutter/Blind Function

#### 3.1.6.1. Configuration Parameters

| Name | | Description |
|---|---|---|
| **Rocker X(**X refers to the rocker number**)** | | This page is visible if **"Rocker X"** selected as **"Shutter / Blind"** at the **"Rocker Configuration"** page. |
| **Function** | | This page is visible if **"Rocker X"** page is visible. |
| **Rocker General Settings** | | |
| Rocker name | | Changes the Rocker X communication object name. The entered name is appended to the rocker X's name. |

| **Button operation values** | | |
|---|---|---|
| Rocker operation | **Upper:up, lower:down**<br><br>lower:up, upper down | This parameter used to determine the buttons behaviour<br>• If parameter selected as **"Upper:up, lower:down"** the buttons works like below;<br>Long stroke, upper rocker =move up<br>Long stroke, lower rocker =move down<br>Short stroke, upper rocker =step up/stop<br>Short stroke, lower rocker =step down/stop<br><br>• If parameter selected as **"lower:up, upper down"** the buttons works like below;<br><br>Long stroke, upper rocker =move down<br>Long stroke, lower rocker =move up<br>Short stroke, upper rocker =step down/stop<br>Short stroke, lower rocker =step up/stop |
| Stop driving after | Releasing the key<br><br>**Short keystroke** | This parameter used to determine when the drive stop signal send.<br>• If parameter selected as **"Releasing the key"** the stop signal sends at button releasing.<br><br>• If parameter selected as "Short keystroke" the stop signal is sent at the button short button pressing. |
| Long keystore starting time | **30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes.<br>If the key is pressed at least as long as the set time, then a long keystroke will be registered. |

### 3.1.6.2. Function Objects

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | Step/Stop | *1 Bit* | *1.007 step* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Shutter/Blind"** under the **"Rocker Configuration"** page.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X* | Up/Down | *1 Bit* | *1.008 up/down* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Shutter/Blind"** under the **"Rocker Configuration"** page.

### 3.1.7. Scene

#### 3.1.7.1. Configuration Parameters

| **Name** | | **Description** |
|---|---|---|
| **Rocker X(**X refers to the rocker number**)** | | This page is visible if **"Rocker X"** selected as **"Scene"** at the **"Rocker Configuration"** page. |
| **Function** | | This page is visible if **"Rocker X"** page is visible. |
| **Rocker General Settings** | | |
| Rocker name | | Changes the Rocker X communication object name. The entered name is appended to the rocker X's name. |
| **Button operation values** | | |
| Upper button operation | ☐<br>☒ | This parameter activates/deactivates the upper button operation.<br>• If the checkbox is checked, the upper button is activated.<br>If the checkbox is unchecked, the upper button is deactivated. |
| Scene value | **1**…64 | Scene value to be sent by pressing the upper side of the rocker. |
| Lower button operation | ☐<br>☒ | This parameter activates/deactivates the upper button operation.<br>• If the checkbox is checked, the lower button is activated.<br>If the checkbox is unchecked, the lower button is deactivated. |
| Scene value | **1**…64 | Scene value to be sent by pressing the lower side of the rocker. |
| Save scene with long press | ☐<br>☒ | This parameter activates/deactivates the save scene with long press.<br>• If the checkbox is checked, the save scene with long press is activated.<br>If the checkbox is unchecked, the save scene with long press is deactivated. |
| Long keystore starting time | **30**…255 x 10ms | This function serves to clearly differentiate between long and short keystrokes.<br>If the key is pressed at least as long as the set time, then a long keystroke will be registered. |

#### 3.1.7.2. Function Objects

| 4. No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | Scene Control | *1 Byte* | *18.001 scene control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Scene"** under the **"Rocker Configuration"** page.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X* | Scene Last Operation | *1 Bit* | *1.022 scene* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Scene"** under the **"Rocker Configuration"** page.

### 3.1.8. Value dimming

#### 3.1.8.1. Configuration Parameters

| Name | | Description |
|---|---|---|
| **Rocker X(**X refers to the rocker number**)** | | This page is visible if **"Rocker X"** selected as **"Value dimming"** at the **"Rocker Configuration"** page. |
| **Function** | | This page is visible if **"Rocker X"** page is visible. |
| **Rocker General Settings** | | |
| Rocker name | | Changes the Rocker X communication object name. The entered name is appended to the rocker X's name. |
| **Button operation values** | | |
| Object type | **4 bit**<br>1-byte<br>1-byte percentage | This parameter used to select value dimming object type.<br>• If set to **"4 bit", "Dimmer increment"** parameter shown below and **"Dimming"** communication object appears under the group objects page.<br>• If set to **"1-byte", "step size"** parameter shown below, and **"Rocker X"** communication object appears under the group objects page.<br>• If set to **"1-byte percentage", "step size"** parameter shown below, and **"Rocker X"** communication object appears under the group objects page. |

| | | |
|---|---|---|
| Dimmer increment | 100%<br>**50%**<br>25%<br>12.5%<br>6%<br>3%<br>1.5% | This parameter shows if **"Object type"** parameter set to the **"4 bit".** Dimming value increases/decreases by the selected value at button presses. |
| Cyclic function | ☒ | This parameter used to enable/disable the telegram sending cyclically at long button presses.<br>• If the check box is checked "Sending period" parameter is shown below. And "Dimming" object will be triggered during long button press periodically with the "Cyclic time" parameter below. |
| Cyclic time | 20…**100**…255 x 10ms | This parameter is shown when the "Cyclic function" parameter is enabled. And adjust the cyclic sending period during button long press. |
| Step size*(when **"Object type"** selected as **"1-byte"**)* | 1…**10**…127 | This parameter shows if **"Object type"** parameter set to the **"1-byte".** Dimming value increases/decreases by the selected value at button presses. |
| Step size*(when **"Object type"** selected as **"1-byte percentage"**)* | 1…**10**…50 % | This parameter shows if **"Object type"** parameter set to the **"1-byte percentage".** Dimming value increases/decreases by the selected value at button presses. |
| Rocker operation | **Upper:increase, lower:decrease**<br>Lower:increase, upper:decrease | This parameter used to select the rocker buttons operation.<br>• If set to **"Upper:increase, lower:decrease"**, the upper button increases and the lower button decreases the dimming value.<br>• If set to **"Lower:increase, upper:decrease"**, the upper button decreases and the lower button increases the dimming value. |

### 3.1.8.2. Function Objects

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Dimming* | *4 Bit* | *3.007 dimming control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value dimming"** under the **"Rocker Configuration"** page and the **"object type"** parameter selected as **"4 bit"** under the Rocker X function page.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/2228* | *Rocker X* | *Value* | *1-byte* | *5.010 counter pulses* | ☒ | ☐ | ☒ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value dimming"** under the **"Rocker Configuration"** page and the **"object type"** parameter selected as **"1-byte"** under the Rocker X function page.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/2228* | *Rocker X* | *Value* | *1-byte* | *5.001 percentage (0.. 100%)* | ☒ | ☐ | ☒ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value dimming"** under the **"Rocker Configuration"** page and the **"object type"** parameter selected as **"1-byte percentage"** under the Rocker X function page.

### 3.1.9. Value transmitter

#### 3.1.9.1. Configuration Parameters

| Name | | Description |
|---|---|---|
| **Rocker X(**X refers to the rocker number**)** | | This page is visible if **"Rocker X"** selected as **"Value tramsmitter"** at the **"Rocker Configuration"** page. |
| **Function** | | This page is visible if **"Rocker X"** page is visible. |
| **Rocker General Settings** | | |
| Rocker name | | Changes the Rocker X communication object name. The entered name is appended to the rocker X's name. |
| **Button operation values** | | |
| Object type | **1-bit**<br>2-bit<br>1-byte<br>1-byte percentage<br>1-byte scene<br>1-byte HVAC<br>2-byte signed<br>2-byte unsigned<br>2-byte temperature<br>2-byte float | This parameter used to select value transmitter object type.<br>• If set to **"1-bit", "Button operation"** parameter shown below and 1-bit **"Rocker X"** communication object appears under the group objects page.<br>• If set to **"2-bit", "Button operation"** parameter shown below and 2-bit **"Rocker X"** communication object appears under the group objects page.<br>• If set to **"1-byte", "Button operation"** parameter shown below and 1-byte **"Rocker X"** communication object appears under the group objects page.<br>• If set to **"1-byte percentage", "Button operation"** parameter shown below and 1-byte percentage **"Rocker X"** communication object appears under the group objects page. |

| | | |
|---|---|---|
| | | • If set to **"1-byte HVAC", "Button operation"** parameter shown below and 1-byte scene **"Rocker X"** communication object appears under the group objects page.<br>• If set to **"2-byte signed", "Button operation"** parameter shown below and 2-byte signed **"Rocker X"** communication object appears under the group objects page.<br>• If set to **"2-byte unsigned", "Button operation"** parameter shown below and 2-byte unsigned **"Rocker X"** communication object appears under the group objects page.<br>• If set to **"2-byte temperature", "Button operation"** parameter shown below and 2-byte temperature **"Rocker X"** communication object appears under the group objects page.<br>• If set to **"2-byte float", "Button operation"** parameter shown below and 2-byte float **"Rocker X"** communication object appears under the group objects page. |
| Upper button operation | ☐<br>☒ | This parameter activates/deactivates the upper button operation.<br>• If the checkbox is checked, the upper button is activated.<br>If the checkbox is unchecked, the upper button is deactivated. |
| Button operation*(when **"Object type"** selected as **"1-bit"**)* | **OFF**<br>ON<br>TOGGLE | This parameter is visible if the **"Object type"** is selected as **"1-bit"**.<br>• If set to **"OFF"** the **"Rocker X"** communication object sends **"OFF"** at button pressing.<br>• If set to **"ON"** the **"Rocker X"** communication object sends **"ON"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X"** communication object inverts and sends the last button state at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-bit"**)* | **No priority, OFF**<br>No priority, ON<br>priority, OFF<br>priority, ON | This parameter is visible if the **"Object type"** is selected as **"2-bit"**.<br>• If set to **"No priority, OFF"** the **"Rocker X"** communication object sends **"No priority, ON"** telegram at button pressing.<br>• If set to **"No priority, ON"** the **"Rocker X"** communication object sends **"No priority, ON"** telegram at button pressing.<br>• If set to **"priority, OFF"** the **"Rocker X"** communication object sends **"priority, OFF"** telegram at button pressing. |

| | | |
|---|---|---|
| | | • If set to **"priority, ON"** the **"Rocker X"** communication object sends **"priority, ON"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte")*** | 0…**1**…255 | This parameter is visible if the **"Object type"** is selected as **"1-byte"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte percentage")*** | 0…**1**…100 | This parameter is visible if the **"Object type"** is selected as **"1-byte percentage"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte scene")*** | **Call scene 1**…64<br>Store scene 1…64 | This parameter is visible if the **"Object type"** is selected as **"1-byte scene"**.<br>• If set to **"Call scene X"** the **"Rocker X"** communication object sends **"Call scene X"** telegram at button pressing.<br>• If set to **"Store scene X"** the **"Rocker X"** communication object sends **"Store scene X"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte HVAC")*** | Auto<br>**Comfort**<br>Stand-by<br>Eco/Night<br>Protection | This parameter is visible if the **"Object type"** is selected as **"1-byte HVAC"**.<br>• If set to **"Auto"** the **"Rocker X"** communication object sends **"Auto"** telegram at button pressing.<br>• If set to **"Comfort"** the **"Rocker X"** communication object sends **"Comfort"** telegram at button pressing.<br>• If set to **"Stand-by"** the **"Rocker X"** communication object sends **"Stand-by"** telegram at button pressing.<br>• If set to **"Eco/Night"** the **"Rocker X"** communication object sends **"Eco/Night"** telegram at button pressing.<br>• If set to **"Protection"** the **"Rocker X"** communication object sends **"Protection"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte signed")*** | -32768…**1**…32767 | This parameter is visible if the **"Object type"** is selected as **"2-byte signed"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte unsigned")*** | 0…**1**…65535 | This parameter is visible if the **"Object type"** is selected as **"2-byte unsigned"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte temperature")*** | 1…**21**…50 | This parameter is visible if the **"Object type"** is selected as **"2-byte temperature"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |

| | | |
|---|---|---|
| Button operation*(when **"Object type"** selected as **"2-byte float"**)* | -670760…**1**…670760 | This parameter is visible if the **"Object type"** is selected as **"2-byte float"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Lower button operation | ☐<br>☒ | This parameter activates/deactivates the lower button operation.<br>• If the checkbox is checked, the lower button is activated.<br>If the checkbox is unchecked, the lower button is deactivated. |
| Button operation*(when **"Object type"** selected as **"1-bit"**)* | OFF<br>**ON**<br>TOGGLE | This parameter is visible if the **"Object type"** is selected as **"1-bit"**.<br>• If set to **"OFF"** the **"Rocker X"** communication object sends **"OFF"** at button pressing.<br>• If set to **"ON"** the **"Rocker X"** communication object sends **"ON"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X"** communication object inverts and sends the last button state at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-bit"**)* | No priority, OFF<br>**No priority, ON**<br>priority, OFF<br>priority, ON | This parameter is visible if the **"Object type"** is selected as **"2-bit"**.<br>• If set to **"No priority, OFF"** the **"Rocker X"** communication object sends **"No priority, ON"** telegram at button pressing.<br>• If set to **"No priority, ON"** the **"Rocker X"** communication object sends **"No priority, ON"** telegram at button pressing.<br>• If set to **"priority, OFF"** the **"Rocker X"** communication object sends **"priority, OFF"** telegram at button pressing.<br>• If set to **"priority, ON"** the **"Rocker X"** communication object sends **"priority, ON"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte"**)* | 0…**2**…255 | This parameter is visible if the **"Object type"** is selected as **"1-byte"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte percentage"**)* | 0…**2**…100 | This parameter is visible if the **"Object type"** is selected as **"1-byte percentage"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte scene"**)* | **Call scene** 1…**2**…64<br>Store scene 1…64 | This parameter is visible if the **"Object type"** is selected as **"1-byte scene"**.<br>• If set to **"Call scene X"** the **"Rocker X"** communication object sends **"Call scene X"** telegram at button pressing. |

| | | |
|---|---|---|
| | | • If set to **"Store scene X"** the **"Rocker X"** communication object sends **"Store scene X"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte HVAC"**)* | Auto<br>Comfort<br>**Stand-by**<br>Eco/Night<br>Protection | This parameter is visible if the **"Object type"** is selected as **"1-byte HVAC"**.<br>• If set to **"Auto"** the **"Rocker X"** communication object sends **"Auto"** telegram at button pressing.<br>• If set to **"Comfort"** the **"Rocker X"** communication object sends **"Comfort"** telegram at button pressing.<br>• If set to **"Stand-by"** the **"Rocker X"** communication object sends **"Stand-by"** telegram at button pressing.<br>• If set to **"Eco/Night"** the **"Rocker X"** communication object sends **"Eco/Night"** telegram at button pressing.<br>• If set to **"Protection"** the **"Rocker X"** communication object sends **"Protection"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte signed"**)* | -32768…**2**…32767 | This parameter is visible if the **"Object type"** is selected as **"2-byte signed"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte unsigned"**)* | 0…**2**…65535 | This parameter is visible if the **"Object type"** is selected as **"2-byte unsigned"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte temperature"**)* | 1…**22**…50 | This parameter is visible if the **"Object type"** is selected as **"2-byte temperature"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte float"**)* | -670760…**2**…670760 | This parameter is visible if the **"Object type"** is selected as **"2-byte float"**.<br>The **"Rocker X"** communication object sends the selected value at button pressing. |
| Transmit timing | **When pushing**<br>When releasing | • If set to **"When pushing"**, **"Rocker X"** communication object sends at button pressing.<br>• If set to **"When releasing"**, **"Rocker X"** communication object sends at button releasing. |
| **Additional Communication Object** | | Parameters under this section are shown if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page. |
| Additional communication object | ☐<br>☒ | This parameter activates/deactivates the additional communication object operation.<br>• If the checkbox is checked, the additional communication object is activated. |

| | | |
|---|---|---|
| | | • If the checkbox is unchecked, the additional communication object is deactivated. |
| Object type | **1-bit**<br>2-bit<br>1-byte<br>1-byte percentage<br>1-byte scene<br>1-byte HVAC<br>2-byte signed<br>2-byte unsigned<br>2-byte temperature<br>2-byte float | This parameter used to select value transmitter object type.<br>• If set to **"1-bit", "Button operation"** parameter shown below and 1-bit **"Rocker X Additional Object"** communication object appears under the group objects page.<br>• If set to **"2-bit", "Button operation"** parameter shown below and 2-bit **"Rocker X Additional Object"** communication object appears under the group objects page.<br>• If set to **"1-byte", "Button operation"** parameter shown below and 1-byte **"Rocker X Additional Object"** communication object appears under the group objects page.<br>• If set to **"1-byte percentage", "Button operation"** parameter shown below and 1-byte percentage **"Rocker X Additional Object"** communication object appears under the group objects page.<br>• If set to **"1-byte HVAC", "Button operation"** parameter shown below and 1-byte scene **"Rocker X Additional Object"** communication object appears under the group objects page.<br>• If set to **"2-byte signed", "Button operation"** parameter shown below and 2-byte signed **"Rocker X Additional Object"** communication object appears under the group objects page.<br>• If set to **"2-byte unsigned", "Button operation"** parameter shown below and 2-byte unsigned **"Rocker X Additional Object"** communication object appears under the group objects page.<br>• If set to **"2-byte temperature", "Button operation"** parameter shown below and 2-byte temperature **"Rocker X Additional Object"** communication object appears under the group objects page.<br>• If set to **"2-byte float", "Button operation"** parameter shown below and 2-byte float **"Rocker X Additional Object"** communication object appears under the group objects page. |
| Upper button operation | ☐<br>☒ | This parameter activates/deactivates the upper button operation.<br>• If the checkbox is checked, the upper button is activated. |

| | | |
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| | | If the checkbox is unchecked, the upper button is deactivated. |
| Button operation*(when **"Object type"** selected as **"1-bit"**)* | **OFF**<br>ON<br>TOGGLE | This parameter is visible if the **"Object type"** is selected as **"1-bit"**.<br>• If set to **"OFF"** the **"Rocker X Additional Object"** communication object sends **"OFF"** at button pressing.<br>• If set to **"ON"** the **"Rocker X Additional Object"** communication object sends **"ON"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X Additional Object"** communication object inverts and sends the last button state at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-bit"**)* | **No priority, OFF**<br>No priority, ON<br>priority, OFF<br>priority, ON | This parameter is visible if the **"Object type"** is selected as **"2-bit"**.<br>• If set to **"No priority, OFF"** the **"Rocker X Additional Object"** communication object sends **"No priority, ON"** telegram at button pressing.<br>• If set to **"No priority, ON"** the **"Rocker X Additional Object"** communication object sends **"No priority, ON"** telegram at button pressing.<br>• If set to **"priority, OFF"** the **"Rocker X Additional Object"** communication object sends **"priority, OFF"** telegram at button pressing.<br>• If set to **"priority, ON"** the **"Rocker X Additional Object"** communication object sends **"priority, ON"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte"**)* | 0…**1**…255 | This parameter is visible if the **"Object type"** is selected as **"1-byte"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte percentage"**)* | 0…**1**…100 | This parameter is visible if the **"Object type"** is selected as **"1-byte percentage"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte scene"**)* | **Call scene 1**…64<br>Store scene 1…64 | This parameter is visible if the **"Object type"** is selected as **"1-byte scene"**.<br>• If set to **"Call scene X"** the **"Rocker X Additional Object"** communication object sends **"Call scene X"** telegram at button pressing.<br>• If set to **"Store scene X"** the **"Rocker X Additional Object"** communication object sends **"Store scene X"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte HVAC"**)* | Auto<br>**Comfort**<br>Stand-by<br>Eco/Night<br>Protection | This parameter is visible if the **"Object type"** is selected as **"1-byte HVAC"**.<br>• If set to **"Auto"** the **"Rocker X Additional Object"** communication object sends **"Auto"** telegram at button pressing. |

| | | |
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| | | • If set to **"Comfort"** the **"Rocker X Additional Object"** communication object sends **"Comfort"** telegram at button pressing.<br>• If set to **"Stand-by"** the **"Rocker X Additional Object"** communication object sends **"Stand-by"** telegram at button pressing.<br>• If set to **"Eco/Night"** the **"Rocker X Additional Object"** communication object sends **"Eco/Night"** telegram at button pressing.<br>• If set to **"Protection"** the **"Rocker X Additional Object"** communication object sends **"Protection"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte signed"**)* | -32768…**1**…32767 | This parameter is visible if the **"Object type"** is selected as **"2-byte signed"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte unsigned"**)* | 0…**1**…65535 | This parameter is visible if the **"Object type"** is selected as **"2-byte unsigned"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte temperature"**)* | 1…**21**…50 | This parameter is visible if the **"Object type"** is selected as **"2-byte temperature"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte float"**)* | -670760…**1**…670760 | This parameter is visible if the **"Object type"** is selected as **"2-byte float"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Lower button operation | ☐<br>☒ | This parameter activates/deactivates the lower button operation.<br>• If the checkbox is checked, the lower button is activated.<br>If the checkbox is unchecked, the lower button is deactivated. |
| Button operation*(when **"Object type"** selected as **"1-bit"**)* | OFF<br>**ON**<br>TOGGLE | This parameter is visible if the **"Object type"** is selected as **"1-bit"**.<br>• If set to **"OFF"** the **"Rocker X Additional Object"** communication object sends **"OFF"** at button pressing.<br>• If set to **"ON"** the **"Rocker X Additional Object"** communication object sends **"ON"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X Additional Object"** communication object inverts and sends the last button state at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-bit"**)* | No priority, OFF<br>**No priority, ON**<br>priority, OFF | This parameter is visible if the **"Object type"** is selected as **"2-bit"**. |

| | | |
|---|---|---|
| | priority, ON | • If set to **"No priority, OFF"** the **"Rocker X Additional Object"** communication object sends **"No priority, ON"** telegram at button pressing.<br>• If set to **"No priority, ON"** the **"Rocker X Additional Object"** communication object sends **"No priority, ON"** telegram at button pressing.<br>• If set to **"priority, OFF"** the **"Rocker X Additional Object"** communication object sends **"priority, OFF"** telegram at button pressing.<br>• If set to **"priority, ON"** the **"Rocker X Additional Object"** communication object sends **"priority, ON"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte"**)* | 0…**2**…255 | This parameter is visible if the **"Object type"** is selected as **"1-byte"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte percentage"**)* | 0…**2**…100 | This parameter is visible if the **"Object type"** is selected as **"1-byte percentage"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte scene"**)* | **Call scene** 1…**2**…64<br>Store scene 1…64 | This parameter is visible if the **"Object type"** is selected as **"1-byte scene"**.<br>• If set to **"Call scene X"** the **"Rocker X Additional Object"** communication object sends **"Call scene X"** telegram at button pressing.<br>• If set to **"Store scene X"** the **"Rocker X Additional Object"** communication object sends **"Store scene X"** telegram at button pressing. |
| Button operation*(when **"Object type"** selected as **"1-byte HVAC"**)* | Auto<br>Comfort<br>**Stand-by**<br>Eco/Night<br>Protection | This parameter is visible if the **"Object type"** is selected as **"1-byte HVAC"**.<br>• If set to **"Auto"** the **"Rocker X Additional Object"** communication object sends **"Auto"** telegram at button pressing.<br>• If set to **"Comfort"** the **"Rocker X Additional Object"** communication object sends **"Comfort"** telegram at button pressing.<br>• If set to **"Stand-by"** the **"Rocker X Additional Object"** communication object sends **"Stand-by"** telegram at button pressing.<br>• If set to **"Eco/Night"** the **"Rocker X Additional Object"** communication object sends **"Eco/Night"** telegram at button pressing.<br>• If set to **"Protection"** the **"Rocker X Additional Object"** communication object sends **"Protection"** telegram at button pressing. |

| | | |
|---|---|---|
| Button operation*(when **"Object type"** selected as **"2-byte signed"**)* | -32768…**2**…32767 | This parameter is visible if the **"Object type"** is selected as **"2-byte signed"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte unsigned"**)* | 0…**2**…65535 | This parameter is visible if the **"Object type"** is selected as **"2-byte unsigned"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte temperature"**)* | 1…**22**…50 | This parameter is visible if the **"Object type"** is selected as **"2-byte temperature"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Button operation*(when **"Object type"** selected as **"2-byte float"**)* | -670760…**2**…670760 | This parameter is visible if the **"Object type"** is selected as **"2-byte float"**.<br>The **"Rocker X Additional Object"** communication object sends the selected value at button pressing. |
| Transmit timing | **When pushing**<br>When releasing | • If set to **"When pushing"**, **"Rocker X Additional Object"** communication object sends at button pressing.<br>• If set to **"When releasing"**, **"Rocker X Additional Object"** communication object sends at button releasing. |

### 3.1.9.2. Function Objects

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Value* | *1 Bit* | *1.001 switch* | ☒ | ☐ | ☒ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"1-Bit"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Value* | *2 Bit* | *2.001 switch* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"2-Bit"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Value* | *1 Byte* | *5.010 Counter pulses* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"1-Byte"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Value* | *1 Byte* | *5.001 percentage* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"1-Byte percentage"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Value* | *1 Byte* | *18.001 scene control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"1-Byte scene"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Value* | *1 Byte* | *20.102 HVAC mode* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"1-Byte HVAC"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Value* | *2 Bytes* | *8.001 pulses difference* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"2-Byte signed"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Value* | *2 Bytes* | *7.001 pulses* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"2-Byte unsigned"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Value* | *2 Bytes* | *9.001 pulses difference* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"2-Byte temperature"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22/28* | *Rocker X* | *Value* | *2 Bytes* | *9.002 2-byte float value* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"2-Byte float value"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X Additional Object* | *Value* | *1 Bit* | *1.001 switch* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page, the **"Additional Communication Object"** parameter is enabled and the **"Object type"** parameter is selected as **"1-Bit"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X Additional Object* | *Value* | *2 Bit* | *2.001 switch* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"2-Bit"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X Additional Object* | *Value* | *1 Byte* | *5.010 Counter pulses* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"1-Byte"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X Additional Object* | *Value* | *1 Byte* | *5.001 percentage* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"1-Byte percentage"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *11/17/23/29* | *Rocker X Additional Object* | *Value* | *1 Byte* | *18.001 scene control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"1-Byte scene"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X Additional Object* | *Value* | *1 Byte* | *20.102 HVAC mode* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"1-Byte HVAC"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X Additional Object* | *Value* | *2 Bytes* | *8.001 pulses difference* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"2-Byte signed"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X Additional Object* | *Value* | *2 Bytes* | *7.001 pulses* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"2-Byte unsigned"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X Additional Object* | *Value* | *2 Bytes* | *9.001 pulses difference* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"2-Byte temperature"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23/29* | *Rocker X Additional Object* | *Value* | *2 Bytes* | *9.002 2-byte float value* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Value transmitter"** under the **"Rocker Configuration"** page and **"Object type"** is selected as **"2-Byte float value"**.

### 3.1.10. Single button operation

### 3.1.10.1. Configuration Parameters

| Name | | Description |
|---|---|---|
| **Rocker X Upper Button(**X refers to the rocker number**)** | | This page is visible if **"Rocker X"** selected as **"Single button operation"** at the **"Rocker Configuration"** page. |
| **Function** | | This page is visible if **"Rocker X"** page is visible. |
| **Rocker General Settings** | | |
| Rocker name | | Changes the Rocker X communication object name. The entered name is appended to the rocker X's name. |
| **Button operation values** | | |
| Object type | **Switching**<br>Dimming<br>Shutter/Blind<br>Scene<br>Value Dimming | This parameter used for selecting or disabling the single button function.<br>• If set to **"Switching"**, switching related parameters shown below this parameter.<br>• If set to **"Dimming"**, dimming related parameters shown below this parameter.<br>• If set to **"Shutter/Blind"**, shutter/blind related parameters shown below this parameter.<br>• If set to **"Scene"**, scene related parameters shown below this parameter.<br>• If set to **"Value dimming"**, value dimming related parameters shown below this parameter. |
| Button operation*(when **"Object type"** selected as **"Switching"**)* | OFF<br>ON<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Switching"**.<br>• If set to **"OFF"** the **"Rocker X Upper Button"** communication object sends **"OFF"** at button pressing.<br>• If set to **"ON"** the **"Rocker X Upper Button"** communication object sends **"ON"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X Upper Button"** communication object inverts and sends the last button state at button pressing. |
| Transmit timing | **When pushing**<br>When releasing | • If set to **"When pushing"**, **"Rocker X Upper Button"** communication object sends at button pressing.<br>• If set to **"When releasing"**, **"Rocker X Upper Button"** communication object sends at button releasing. |
| Button operation for switching*(when **"Object type"** selected as **"Dimming"**)* | OFF<br>ON<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Dimming"**.<br>• If set to **"OFF"** the **"Rocker X Upper Button"** communication object sends **"OFF"** at button pressing.<br>• If set to **"ON"** the **"Rocker X Upper Button"** communication object sends **"ON"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X Upper Button"** communication object inverts and sends the last button state at button pressing. |

| | | |
|---|---|---|
| Button operation for dimming*(when **"Object type"** selected as **"Dimming"**)* | Brighter<br>Darker<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Dimming"**.<br>• If set to **"Brighter"** the **"Rocker X Upper Button"** communication object sends **"Brighter"** telegram with adjusted value with **"Dimmer increment"** parameter at long button pressing.<br>• If set to **"Darker"** the **"Rocker X Upper Button"** communication object sends **"Darker"** telegram with adjusted value with **"Dimmer increment"** parameter at long button pressing.<br>• If set to **"Toggle"** the **"Rocker X Upper Button"** communication object sends **"Darker"** telegram if the last sent telegram was **"Brighter"** telegram and sends **"Brighter"** telegram vice versa at long button pressing. |
| Dimmer increment | **100%**<br>50%<br>25%<br>12.5%<br>6%<br>3%<br>1.5% | This parameter is visible if the **"Object type"** is selected as **"Dimming"**. And the **"Rocker X Upper Button"** communication object sends this value to make brighter or darker brightness by this value. |
| Long keystore starting time | 20…**30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes.<br>• If the key is pressed at least as long as the set time, then a long keystroke will be registered. |
| Button operation *(when **"Object type"** selected as **"Shutter/Blind"**)* | Up<br>Down<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Shutter/Blind"**.<br>• If set to **"Up"** the **"Rocker X Upper Button Up/Down"** communication object sends **"Up"** telegram at button pressing.<br>• If set to **"Down"** the **"Rocker X Upper Button Up/Down"** communication object sends **"Down"** telegram at button pressing.<br>• If set to **"Toggle"** the **"Rocker X Upper Button Up/Down"** communication object sends **"Up"** telegram if the last sent telegram was **"Down"** and sends **"Down"** telegram vice versa at button pressing. |
| Stop driving after | Releasing the key<br><br>**Short keystroke** | This parameter used to determine when the drive stop signal send.<br>• If parameter selected as **"Releasing the key"** the stop signal sends at button releasing.<br><br>• If parameter selected as **"Short keystroke"** the stop signal is sent at the button short button pressing. |
| Long keystroke starting time | 20…**30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes. If the key is pressed at least as long as the set time, then a long keystroke will be registered. |

| | | |
|---|---|---|
| Scene value *(when **"Object type"** selected as **"Scene"**)* | **1**…64 | Scene value to be sent by pressing the upper side of the rocker. |
| Save scene with long press | ☐<br>☒ | This parameter activates/deactivates the save scene with long press.<br>• If the checkbox is checked, the save scene with long press is activated.<br>• If the checkbox is unchecked, the save scene with long press is deactivated. |
| Long keystore starting time | 20…**30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes. If the key is pressed at least as long as the set time, then a long keystroke will be registered. |
| Object type*(when **"Object type"** selected as **"Value Dimming"**)* | **4 bit**<br>1-byte<br>1-byte percentage | This parameter used to select value dimming object type.<br>• If set to **"4 bit", "Dimmer increment"** parameter shown below and **"Dimming"** communication object appears under the group objects page.<br>• If set to **"1-byte", "step size"** parameter shown below, and **"Rocker X Upper Button"** communication object appears under the group objects page.<br>• If set to **"1-byte percentage", "step size"** parameter shown below, and **"Rocker X Upper Button""** communication object appears under the group objects page. |
| Dimmer increment | 100%<br>**50%**<br>25%<br>12.5%<br>6%<br>3%<br>1.5% | This parameter shows if **"Object type"** parameter set to the **"4 bit".** Dimming value increases/decreases by the selected value at button presses. |
| Direction | **Decrease**<br>Increase | This parameter used to select the rocker buttons operation.<br>• If set to **"Decrease"**, the dimming value decrease as **"Dimmer increment"** value and sends with the **"Rocker X Upper Button"** communication object at button press.<br>• If set to **"Increase"**, the dimming value increase as **"Dimmer increment"** value and sends with the **"Rocker X Upper Button"** communication object at button press. |
| Cyclic function | ☐<br>☒ | This parameter used to enable/disable the telegram sending cyclically at long button presses.<br>• If the check box is checked "Sending period" parameter is shown below. And "Dimming" object will be triggered during long button press periodically with the "Cyclic time" parameter below. |
| Cyclic time | 20…**100**…255 x 10ms | This parameter is shown when the "Cyclic function" parameter is enabled. And adjust the cyclic sending period during button long press. |

| | | |
|---|---|---|
| Step size*(when **"Object type"** selected as **"1-byte")*** | 1…**10**…127 | This parameter shows if **"Object type"** parameter set to the **"1-byte".** Dimming value increases/decreases by the selected value at button presses. |
| Step size*(when **"Object type"** selected as **"1-byte percentage")*** | 1…**10**…50 % | This parameter shows if **"Object type"** parameter set to the **"1-byte percentage".** Dimming value increases/decreases by the selected value at button presses. |
| Reaction after reaching final value *(when **"Object type"** selected as **"1-byte")*** | **Come back first value**<br>Change direction | This parameter shows if **"Object type"** parameter set to the **"1-byte".**<br>• If set to **"Come back first value"**, dimming value sets to the first value after the reaching the limit value.<br>• If set to **"Change direction"**, dimming value changes direction after reaching the limit value. if it is increasing it starts decreasing after reaching the limit value and if it is decreasing vice versa. |
| Reaction after reaching final value *(when **"Object type"** selected as **"1-byte percentage")*** | **Come back first value**<br>Change direction | This parameter shows if **"Object type"** parameter set to the **"1-byte percentage".**<br>• If set to **"Come back first value"**, dimming value sets to the first value after the reaching the limit value.<br>• If set to **"Change direction"**, dimming value changes direction after reaching the limit value. if it is increasing it starts decreasing after reaching the limit value and if it is decreasing vice versa. |
| Transmit timing | **When pushing**<br>When releasing | • If set to **"When pushing"**, **"Rocker X Upper Button"** communication object sends at button pressing.<br>• If set to **"When releasing"**, **"Rocker X Upper Button"** communication object sends at button releasing. |
| **Rocker X Upper Button(**X refers to the rocker number**)** | | This page is visible if **"Rocker X"** selected as **"Single button operation"** at the **"Rocker Configuration"** page. |
| **Function** | | This page is visible if **"Rocker X"** page is visible. |
| **Rocker General Settings** | | |
| Rocker name | | Changes the Rocker X communication object name. The entered name is appended to the rocker X's name. |
| **Button operation values** | | |
| Object type | **Switching**<br>Dimming<br>Shutter/Blind<br>Scene<br>Value Dimming | This parameter used for selecting or disabling the single button function.<br>• If set to **"Switching"**, switching related parameters shown below this parameter.<br>• If set to **"Dimming"**, dimmng related parameters shown below this parameter.<br>• If set to **"Shutter/Blind"**, shutter/blind related parameters shown below this parameter.<br>• If set to **"Scene"**, scene related parameters shown below this parameter.<br>• If set to **"Value dimming"**, value dimming related parameters shown below this parameter. |

| | | |
|---|---|---|
| Button operation*(when **"Object type"** selected as **"Switching"**)* | OFF<br>ON<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Switching"**.<br>• If set to **"OFF"** the **"Rocker X Upper Button"** communication object sends **"OFF"** at button pressing.<br>• If set to **"ON"** the **"Rocker X Upper Button"** communication object sends **"ON"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X Upper Button"** communication object inverts and sends the last button state at button pressing. |
| Transmit timing | **When pushing**<br>When releasing | • If set to **"When pushing"**, **"Rocker X Upper Button"** communication object sends at button pressing.<br>• If set to **"When releasing"**, **"Rocker X Upper Button"** communication object sends at button releasing. |
| Button operation for switching*(when **"Object type"** selected as **"Dimming"**)* | OFF<br>ON<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Dimming"**.<br>• If set to **"OFF"** the **"Rocker X Upper Button"** communication object sends **"OFF"** at button pressing.<br>• If set to **"ON"** the **"Rocker X Upper Button"** communication object sends **"ON"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X Upper Button"** communication object inverts and sends the last button state at button pressing. |
| Button operation for dimming*(when **"Object type"** selected as **"Dimming"**)* | Brighter<br>Darker<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Dimming"**.<br>• If set to **"Brighter"** the **"Rocker X Upper Button"** communication object sends **"Brighter"** telegram with adjusted value with **"Dimmer increment"** parameter at long button pressing.<br>• If set to **"Darker"** the **"Rocker X Upper Button"** communication object sends **"Darker"** telegram with adjusted value with **"Dimmer increment"** parameter at long button pressing.<br>• If set to **"Toggle"** the **"Rocker X Upper Button"** communication object sends **"Darker"** telegram if the last sent telegram was **"Brighter"** telegram and sends **"Brighter"** telegram vice versa at long button pressing. |
| Dimmer increment | **100%**<br>50%<br>25%<br>12.5%<br>6%<br>3%<br>1.5% | This parameter is visible if the **"Object type"** is selected as **"Dimming"**. And the **"Rocker X Upper Button"** communication object sends this value to make brighter or darker brightness by this value. |
| Long keystore starting time | 20…**30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes.<br>• If the key is pressed at least as long as the set time, then a long keystroke will be registered. |

| | | |
|---|---|---|
| Button operation *(when **"Object type"** selected as **"Shutter/Blind"**)* | Up<br>Down<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Shutter/Blind"**.<br>• If set to **"Up"** the **"Rocker X Upper Button Up/Down"** communication object sends **"Up"** telegram at button pressing.<br>• If set to **"Down"** the **"Rocker X Upper Button Up/Down"** communication object sends **"Down"** telegram at button pressing.<br>• If set to **"Toggle"** the **"Rocker X Upper Button Up/Down"** communication object sends **"Up"** telegram if the last sent telegram was **"Down"** and sends **"Down"** telegram vice versa at button pressing. |
| Stop driving after | Releasing the key<br><br>**Short keystroke** | This parameter used to determine when the drive stop signal send.<br>• If parameter selected as **"Releasing the key"** the stop signal sends at button releasing.<br><br>• If parameter selected as **"Short keystroke"** the stop signal is sent at the button short button pressing. |
| Long keystroke starting time | 20…**30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes. If the key is pressed at least as long as the set time, then a long keystroke will be registered. |
| Scene value *(when **"Object type"** selected as **"Scene"**)* | **1**…64 | Scene value to be sent by pressing the upper side of the rocker. |
| Save scene with long press | ☐<br>☒ | This parameter activates/deactivates the save scene with long press.<br>• If the checkbox is checked, the save scene with long press is activated.<br>• If the checkbox is unchecked, the save scene with long press is deactivated. |
| Long keystore starting time | 20…**30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes. If the key is pressed at least as long as the set time, then a long keystroke will be registered. |
| Object type*(when **"Object type"** selected as **"Value Dimming"**)* | **4 bit**<br>1-byte<br>1-byte percentage | This parameter used to select value dimming object type.<br>• If set to **"4 bit", "Dimmer increment"** parameter shown below and **"Dimming"** communication object appears under the group objects page.<br>• If set to **"1-byte", "step size"** parameter shown below, and **"Rocker X Upper Button"** communication object appears under the group objects page.<br>• If set to **"1-byte percentage", "step size"** parameter shown below, and **"Rocker X Upper Button""** communication object appears under the group objects page. |
| Dimmer increment | 100%<br>**50%**<br>25% | This parameter shows if **"Object type"** parameter set to the **"4 bit".** Dimming value increases/decreases by the selected value at button presses. |

| | | |
|---|---|---|
| | 12.5%<br>6%<br>3%<br>1.5% | |
| Direction | **Decrease**<br>Increase | This parameter used to select the rocker buttons operation.<br><br>• If set to **"Decrease"**, the dimming value decrease as **"Dimmer increment"** value and sends with the **"Rocker X Upper Button"** communication object at button press.<br>• If set to **"Increase"**, the dimming value increase as **"Dimmer increment"** value and sends with the **"Rocker X Upper Button"** communication object at button press. |
| Cyclic function | ☐<br>☒ | This parameter used to enable/disable the telegram sending cyclically at long button presses.<br>• If the check box is checked "Sending period" parameter is shown below. And "Dimming" object will be triggered during long button press periodically with the "Cyclic time" parameter below. |
| Cyclic time | 20…**100**…255 x 10ms | This parameter is shown when the "Cyclic function" parameter is enabled. And adjust the cyclic sending period during button long press. |
| Step size*(when **"Object type"** selected as **"1-byte"**)* | 1…**10**…127 | This parameter shows if **"Object type"** parameter set to the **"1-byte".** Dimming value increases/decreases by the selected value at button presses. |
| Step size*(when **"Object type"** selected as **"1-byte percentage"**)* | 1…**10**…50 % | This parameter shows if **"Object type"** parameter set to the **"1-byte percentage".** Dimming value increases/decreases by the selected value at button presses. |
| Reaction after reaching final value *(when **"Object type"** selected as **"1-byte"**)* | **Come back first value**<br>Change direction | This parameter shows if **"Object type"** parameter set to the **"1-byte".**<br>• If set to **"Come back first value"**, dimming value sets to the first value after the reaching the limit value.<br>• If set to **"Change direction"**, dimming value changes direction after reaching the limit value. if it is increasing it starts decreasing after reaching the limit value and if it is decreasing vice versa. |
| Reaction after reaching final value *(when **"Object type"** selected as **"1-byte percentage"**)* | **Come back first value**<br>Change direction | This parameter shows if **"Object type"** parameter set to the **"1-byte percentage".**<br>• If set to **"Come back first value"**, dimming value sets to the first value after the reaching the limit value.<br>• If set to **"Change direction"**, dimming value changes direction after reaching the limit value. if it is increasing it starts decreasing after reaching the limit value and if it is decreasing vice versa. |
| Transmit timing | **When pushing**<br>When releasing | • If set to **"When pushing"**, **"Rocker X Upper Button"** communication object sends at button pressing. |

| | | |
|---|---|---|
| | | • If set to **"When releasing"**, **"Rocker X Upper Button"** communication object sends at button releasing. |
| | | |
| **Rocker X Lower Button(**X refers to the rocker number**)** | | This page is visible if **"Rocker X"** enabled at the **"Rocker Configuration"** page. |
| **Function** | | This page is visible if **"Rocker X"** page is visible. |
| **Rocker General Settings** | | |
| Rocker name | | Changes the Rocker X communication object name. The entered name is appended to the rocker X's name. |
| **Button operation values** | | |
| Object type | **Switching**<br>Dimming<br>Shutter/Blind<br>Scene<br>Value Dimming | This parameter used for selecting or disabling the single button function.<br>• If set to **"Switching"**, switching related parameters shown below this parameter.<br>• If set to **"Dimming"**, dimmng related parameters shown below this parameter.<br>• If set to **"Shutter/Blind"**, shutter/blind related parameters shown below this parameter.<br>• If set to **"Scene"**, scene related parameters shown below this parameter.<br>• If set to **"Value dimming"**, value dimming related parameters shown below this parameter. |
| Button operation*(when **"Object type"** selected as **"Switching"**)* | OFF<br>ON<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"1-bit"**.<br>• If set to **"OFF"** the **"Rocker X Additional Object"** communication object sends **"OFF"** at button pressing.<br>• If set to **"ON"** the **"Rocker X Additional Object"** communication object sends **"ON"** at button pressing.<br>• If set to **"TOGGLE"** the **"Rocker X Additional Object"** communication object inverts and sends the last button state at button pressing. |
| Transmit timing | **When pushing**<br>When releasing | • If set to **"When pushing"**, **"Rocker X"** communication object sends at button pressing.<br>• If set to **"When releasing"**, **"Rocker X"** communication object sends at button releasing. |
| Button operation for switching*(when **"Object type"** selected as **"Dimming"**)* | OFF<br>ON<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Dimming"**.<br>• If set to **"OFF"** the **"Rocker X Lower Button"** communication object sends **"OFF"** at button pressing.<br>• If set to **"ON"** the **"Rocker X Lower Button"** communication object sends **"ON"** at button pressing. |

| | | |
|---|---|---|
| | | • If set to **"TOGGLE"** the **"Rocker X Lower Button"** communication object inverts and sends the last button state at button pressing. |
| Button operation for dimming*(when **"Object type"** selected as **"Dimming"**)* | Brighter<br>Darker<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Dimming"**.<br>• If set to **"Brighter"** the **"Rocker X Lower Button"** communication object sends **"Brighter"** telegram with adjusted value with **"Dimmer increment"** parameter at long button pressing.<br>• If set to **"Darker"** the **"Rocker X Lower Button"** communication object sends **"Darker"** telegram with adjusted value with **"Dimmer increment"** parameter at long button pressing.<br>• If set to **"Toggle"** the **"Rocker X Lower Button"** communication object sends **"Darker"** telegram if the last sent telegram was **"Brighter"** telegram and sends **"Brighter"** telegram vice versa at long button pressing. |
| Dimmer increment | **100%**<br>50%<br>25%<br>12.5%<br>6%<br>3%<br>1.5% | This parameter is visible if the **"Object type"** is selected as **"Dimming"**. And the **"Rocker X Lower Button"** communication object sends this value to make brighter or darker brightness by this value. |
| Long keystore starting time | 20…**30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes.<br>If the key is pressed at least as long as the set time, then a long keystroke will be registered. |
| Button operation *(when **"Object type"** selected as **"Shutter/Blind"**)* | UP<br>DOWN<br>**Toggle** | This parameter is visible if the **"Object type"** is selected as **"Shutter/Blind"**.<br>• If set to **"Up"** the **"Rocker X Lower Button Up/Down"** communication object sends **"Up"** telegram at button pressing.<br>• If set to **"Down"** the **"Rocker X Lower Button Up/Down"** communication object sends **"Down"** telegram at button pressing.<br>• If set to **"Toggle"** the **"Rocker X Lower Button Up/Down"** communication object sends **"Up"** telegram if the last sent telegram was **"Down"** and sends **"Down"** telegram vice versa at button pressing. |
| Stop driving after | Releasing the key<br>**Short keystore** | This parameter used to determine when the drive stop signal send.<br>• If parameter selected as **"Releasing the key"** the stop signal sends at button releasing.<br><br>If parameter selected as **"Short keystroke"** the stop signal is sent at the button short button pressing. |

| | | |
|---|---|---|
| Long keystore starting time | 20…**30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes. If the key is pressed at least as long as the set time, then a long keystroke will be registered. |
| Scene value *(when **"Object type"** selected as **"Scene"**)* | **1**…64 | Scene value to be sent by pressing the Lower side of the rocker. |
| Save scene with long press | ☐<br>☒ | This parameter activates/deactivates the save scene with long press.<br>• If the checkbox is checked, the save scene with long press is activated.<br>• If the checkbox is unchecked, the save scene with long press is deactivated. |
| Long keystore starting time | 20…**30**...255 x 10ms | This function serves to clearly differentiate between long and short keystrokes.<br>If the key is pressed at least as long as the set time, then a long keystroke will be registered. |
| Object type*(when **"Object type"** selected as **"Value Dimming"**)* | **4 bit**<br>1-byte<br>1-byte percentage | This parameter used to select value dimming object type.<br>• If set to **"4 bit", "Dimmer increment"** parameter shown below and **"Dimming"** communication object appears under the group objects page.<br>• If set to **"1-byte", "step size"** parameter shown below, and **"Rocker X Lower Button"** communication object appears under the group objects page.<br>• If set to **"1-byte percentage", "step size"** parameter shown below, and **"Rocker X Lower Button""** communication object appears under the group objects page. |
| Dimmer increment | 100%<br>**50%**<br>25%<br>12.5%<br>6%<br>3%<br>1.5% | This parameter shows if **"Object type"** parameter set to the **"4 bit".** Dimming value increases/decreases by the selected value at button presses. |
| Direction | **Decrease**<br>Increase | This parameter used to select the rocker buttons operation.<br>• If set to **"Decrease"**, the dimming value decrease as **"Dimmer increment"** value and sends with the **"Rocker X Lower Button"** communication object at button press.<br>• If set to **"Increase"**, the dimming value increase as **"Dimmer increment"** value and sends with the **"Rocker X Lower Button"** communication object at button press. |
| Cyclic function | ☐<br>☒ | This parameter used to enable/disable the telegram sending cyclically at long button presses.<br>• If the check box is checked "Sending period" parameter is shown below. And "Dimming" object will be triggered during long button press periodically with the "Cyclic time" parameter below. |

| | | |
|---|---|---|
| Cyclic time | 20…**100**…255 x 10ms | This parameter is shown when the "Cyclic function" parameter is enabled. And adjust the cyclic sending period during button long press. |
| Transmit timing | **When pushing**<br>When releasing | • If set to **"When pushing"**, **"Rocker X"** communication object sends at button pressing.<br>• If set to **"When releasing"**, **"Rocker X"** communication object sends at button releasing. |

### 3.1.10.2. Function Objects

#### 3.1.10.2.1. Upper button Function Objects

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22 /28* | *Rocker X Upper Button* | Switching | *1 Bit* | *1.001 switch* | ☒ | ☐ | ☒ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Switching"** or **"Dimming"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22 /28* | *Rocker X Upper Button* | Dimming | *1 Bit* | *3.007 dimming control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Dimming"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22 /28* | *Rocker X Upper Button* | Step/Stop | *1 Bit* | *1.007 step* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Shutter/Blind"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *11/17/23 /29* | *Rocker X Upper Button* | Up / Down | *1 Bit* | *1.00 up/down* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Shutter/Blind"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22 /28* | *Rocker X Upper Button* | Scene Control | *1 Byte* | *18.001 scene control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Scene"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22 /28* | *Rocker X Upper Button* | *Dimming* | *4 Bit* | *3.007 dimming control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Value Dimming"** and **"4 bit"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22 /28* | *Rocker X Upper Button* | Value | *1 byte* | *5.010 counter pulses* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page, **''Object Type''** configuration is selected as **"Value Dimming"** and **"1-byte"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *10/16/22 /28* | *Rocker X Upper Button* | Value | *1 byte* | *5.001 percentage (0..100%)* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"General Settings"**, **"Rocker Configuration"** page, **''Object Type''** configuration is selected as **"Value Dimming"** and **"1-byte percentage"** under the **"Button Operation Values"** at the **"Rocker X Upper Button"**, **"Function"** page**.**

### 3.1.10.2.2. Upper button Function Objects

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *13/19/25 /31* | *Rocker X Lower Button* | Switching | *1 Bit* | *1.001 switch* | ☒ | ☐ | ☒ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Switching"** or **"Dimming"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *13/19/25 /31* | *Rocker X Lower Button* | Dimming | *1 Bit* | *3.007 dimming control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Dimming"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *13/19/25 /31* | *Rocker X Lower Button* | Step/Stop | *1 Bit* | *1.007 step* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Shutter/Blind"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *14/20/26 /32* | *Rocker X Lower Button* | Up / Down | *1 Bit* | *1.00 up/down* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Shutter/Blind"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *13/19/25 /31* | *Rocker X Lower Button* | Scene Control | *1 Byte* | *18.001 scene control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Scene"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *13/19/25 /31* | *Rocker X Lower Button* | *Dimming* | *4 Bit* | *3.007 dimming control* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page and **''Object Type''** configuration is selected as **"Value Dimming"** and **"4 bit"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *13/19/25 /31* | *Rocker X Lower Button* | Value | *1 byte* | *5.010 counter pulses* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"Rocker Configuration"** page, **''Object Type''** configuration is selected as **"Value Dimming"** and **"1-byte"** under the **"Button Operation Values".**

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *13/19/25 /31* | *Rocker X Lower Button* | Value | *1 byte* | *5.001 percentage (0..100%)* | ☒ | ☐ | ☐ | ☒ | ☐ |

This object is visible if **"Rocker X"** configuration is selected as **"Single button operation"** under the **"General Settings"**, **"Rocker Configuration"** page, **''Object Type''** configuration is selected as **"Value Dimming"** and **"1-byte percentage"** under the **"Button Operation Values"** at the **"Rocker X Lower Button"**, **"Function"** page**.**

### 3.1.11. LED Behaviours

#### 3.1.11.1. Configuration Parameters

| Name | | Description |
|---|---|---|
| **LED Behaviour** | | This page is visible under the **"Rocker X"** page. |
| **Behaviour of LED** | | |
| Upper LED | ☐<br>☒ | This parameter activates/deactivates the upper button LED.<br>• If the checkbox is checked, the upper button LED is activated, and the upper LED related parameters are appeared below. |

| | | |
|---|---|---|
| | | • If the checkbox is unchecked, the upper button LED is deactivated, and the upper LED related parameters are disappeared from below. |
| Working mode | Fixed value<br>**Rocker function**<br>Display feedback object value | This parameter is visible if the **"Upper LED"** parameter is enabled.<br>• If set to **"Fixed value"**, the **"Status of LED"** parameter appears below and, the upper LED lights up constantly with the selected color with the **"Status of LED"** parameter.<br>• If set to **"Rocker function"**, the **"LED behaviour"** parameter appears below and, the upper LED lights up according to this parameter below.<br>• If set to **"Display feedback object value"**, the **"LED behaviour"** parameter appears below and, the upper LED lights up according to this parameter below. |
| Status of LED | **OFF**<br>Red<br>Green<br>Blue<br>Magenta<br>Cyan | This parameter is visible if the **"Working mode"** parameter set to the **"Fixed value"**.<br>• If set to **"OFF",** the upper LED remain off constantly.<br>• If set to any color**,** the upper LED lights up with this color. |
| LED behaviour *(when **"working mode"** selected as **"Rocker function"**)* | **According to rocker operation**<br>LED is ON during 3 seconds<br>Flashing | This parameter is visible if the **"Working mode"** parameter set to the **"Rocker function"**.<br>• If set to **"According to rocker operation"**, the upper LED lights up at the selected color with the **"Status of LED when pushes upper button"** or with the **"Status of LED when pushes lower button"** parameter according to the pressed button.<br>• If set to **"LED is ON during 3 seconds"**, the upper LED lights up at the selected color with the **"Status of LED when pushes upper button"** or with the **"Status of LED when pushes lower button"** parameter according to the pressed button after 3 seconds it turns turns off again.<br>• If set to **"Flashing"**, the upper LED starts to flashing at the selected color with the **"Status of LED when pushes upper button"** or with the **"Status of LED when pushes lower button"** parameter according to the pressed button. |
| Status of LED when pushes upper button | OFF<br>Red<br>**Green**<br>Blue<br>Magenta<br>Cyan<br>No reaction | This parameter is visible if the **"Working mode"** parameter set to the **"Rocker function"**.<br>• If set to **"OFF",** the upper LED turns off at upper button pressing.<br>• If set to any color**,** the upper LED lights up with this color at the upper button pressing.<br>• If set to **"No reaction"**, the upper LED keeps it's status at the upper button pressing. |

| | | |
|---|---|---|
| Status of LED pushes lower button | OFF<br>**Red**<br>Green<br>Blue<br>Magenta<br>Cyan<br>No reaction | This parameter is visible if the **"Working mode"** parameter set to the **"Rocker function"**.<br>• If set to **"OFF",** the upper LED turns off at lower button pressing constantly.<br>• If set to any color**,** the upper LED lights up with this color at the lower button pressing.<br>• If set to **"No reaction"**, the upper LED keeps its status at the lower button pressing. |
| LED behaviour *(when **"working mode"** selected as **"Display feedback object value")*** | **Continuously ON or OFF**<br>LED is ON during 3 seconds<br>Flashing | This parameter is visible if the **"Working mode"** parameter set to the **"Display feedback object value"**.<br>• If set to **"Continuously ON or OFF"**, the upper LED lights up at the selected color with the **"Status of LED when object value is 0"** parameter when object value is 0 and lights up at the selected color with the **"Status of LED when object value is 1"** parameter when object value is 1.<br>• If set to **"LED is ON during 3 seconds"**, the upper LED lights up at the selected color with the **"Status of LED when object value is 0"** parameter when object value is 0 and lights up at the selected color with the **"Status of LED when object value is 1"** parameter when object value is 1 for 3 seconds then turns off.<br><br>• If set to **"Flashing"**, the upper LED starts to flashing at the selected color with the **"Status of LED when object value is 0"** parameter when object value is 0 and lights up at the selected color with the **"Status of LED when object value is 1"**. |
| Status of LED when object value is 0 | OFF<br>**Red**<br>Green<br>Blue<br>Magenta<br>Cyan | This parameter is visible if the **"Working mode"** parameter set to the **"Display feedback object value"**.<br>• If set to **"OFF",** the upper LED turns off at upper button pressing.<br>• If set to any color**,** the upper LED lights up with this color when the object value is 0. |
| Status of LED when object value is 1 | OFF<br>Red<br>**Green**<br>Blue<br>Magenta<br>Cyan | This parameter is visible if the **"Working mode"** parameter set to the **"Display feedback object value"**.<br>• If set to **"OFF",** the upper LED turns off at upper button pressing constantly.<br>• If set to any color**,** the upper LED lights up with this color when the object value is 1. |
| | | |
| **LED Behaviour** | | This page is visible if **"Rocker X"** page is visible. |

| **Behaviour of LED** | | |
|---|---|---|
| Lower LED | ☐<br>☒ | This parameter activates/deactivates the lower button LED.<br>• If the checkbox is checked, the lower button LED is activated, and the lower LED related parameters are appeared below.<br>• If the checkbox is unchecked, the lower button LED is deactivated, and the lower LED related parameters are disappeared from below. |
| Working mode | Fixed value<br>**Rocker function**<br>Display feedback object value | This parameter is visible if the **"Lower LED"** parameter is enabled.<br>• If set to **"Fixed value"**, the **"Status of LED"** parameter appears below and, the lower LED lights up constantly with the selected color with the **"Status of LED"** parameter.<br>• If set to **"Rocker function"**, the **"LED behaviour"** parameter appears below and, the lower LED lights up according to this parameter below.<br>• If set to **"Display feedback object value"**, the **"LED behaviour"** parameter appears below and, the lower LED lights up according to this parameter below. |
| Status of LED | **OFF**<br>Red<br>Green<br>Blue<br>Magenta<br>Cyan | This parameter is visible if the **"Working mode"** parameter set to the **"Fixed value"**.<br>• If set to **"OFF",** the lower LED remain off constantly.<br>• If set to any color**,** the lower LED lights up with this color. |
| LED behaviour *(when **"working mode"** selected as **"Rocker function"**)* | **According to rocker operation**<br>LED is ON during 3 seconds<br>Flashing | This parameter is visible if the **"Working mode"** parameter set to the **"Rocker function"**.<br>• If set to **"According to rocker operation"**, the lower LED lights up at the selected color with the **"Status of LED when pushes upper button"** or with the **"Status of LED when pushes lower button"** parameter according to the pressed button.<br>• If set to **"LED is ON during 3 seconds"**, the lower LED lights up at the selected color with the **"Status of LED when pushes upper button"** or with the **"Status of LED when pushes lower button"** parameter according to the pressed button after 3 seconds it turns turns off again.<br>• If set to **"Flashing"**, the lower LED starts to flashing at the selected color with the **"Status of LED when pushes upper button"** or with the **"Status of LED when pushes lower button"** parameter according to the pressed button. |

| | | |
|---|---|---|
| Status of LED when pushes lower button | OFF<br>**Red**<br>Green<br>Blue<br>Magenta<br>Cyan<br>No reaction | This parameter is visible if the **"Working mode"** parameter set to the **"Rocker function"**.<br>• If set to **"OFF",** the lower LED turns off at lower button pressing.<br>• If set to any color**,** the lower LED lights up with this color at the lower button pressing.<br>• If set to **"**No **reaction"**, the lower LED keeps its status at the lower button pressing. |
| Status of LED pushes lower button | OFF<br>Red<br>**Green**<br>Blue<br>Magenta<br>Cyan<br>No reaction | This parameter is visible if the **"Working mode"** parameter set to the **"Rocker function"**.<br>• If set to **"OFF",** the lower LED turns off at lower button pressing constantly.<br>• If set to any color**,** the lower LED lights up with this color at the lower button pressing.<br>• If set to **"No reaction"**, the lower LED keeps its status at the lower button pressing. |
| LED behaviour *(when **"working mode"** selected as **"Display feedback object value")*** | **Continuously ON or OFF**<br>LED is ON during 3 seconds<br>Flashing | This parameter is visible if the **"Working mode"** parameter set to the **"Display feedback object value"**.<br>• If set to **"Continuously ON or OFF"**, the lower LED lights up at the selected color with the **"Status of LED when object value is 0"** parameter, when object value is 0 and lights up at the selected color with the **"Status of LED when object value is 1"** parameter when object value is 1.<br>• If set to **"LED is ON during 3 seconds"**, the lower LED lights up at the selected color with the **"Status of LED when object value is 0"** parameter, when object value is 0 and lights up at the selected color with the **"Status of LED when object value is 1"** parameter when object value is 1 for 3 seconds then turns off.<br>• If set to **"Flashing"**, the lower LED starts to flashing at the selected color with the **"Status of LED when object value is 0"** parameter when object value is 0 and lights up at the selected color with the **"Status of LED when object value is 1"**. |
| Status of LED when object value is 0 | OFF<br>**Red**<br>Green<br>Blue<br>Magenta<br>Cyan | This parameter is visible if the **"Working mode"** parameter set to the **"Display feedback object value"**.<br>• If set to **"OFF",** the lower LED turns off at lower button pressing.<br>• If set to any color**,** the lower LED lights up with this color when the object value is 0. |
| Status of LED when object value is 1 | OFF<br>Red<br>**Green** | This parameter is visible if the **"Working mode"** parameter set to the **"Display feedback object value"**. |

| | | |
|---|---|---|
| | Blue<br>Magenta<br>Cyan | • If set to **"OFF",** the lower LED turns off at lower button pressing constantly.<br>• If set to any color**,** the lower LED lights up with this color when the object value is 1. |

### 3.1.11.2. Function Objects

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *12/18/24/30* | *Rocker X* | Drive Upper LED | *1 Bit* | *1.001 switch* | ☒ | ☐ | ☒ | ☐ | ☐ |

This object is visible at the Upper LED side if the **"Working mode"** parameter set to the **"Display feedback object value"**.

| No | Object Name | Function | Size | Data Point Type | Flags | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | R | W | T | U |
| *15/21/27/33* | *Rocker X* | Drive Lower LED | *1 Bit* | *1.001 switch* | ☒ | ☐ | ☒ | ☐ | ☐ |

This object is visible at the Lower LED side if the **"Working mode"** parameter set to the **"Display feedback object value"**.