

Application Description

Touch Panel Eelecta 3,5" Color Touch Display

VS00E10KNX

VS00E20KNX

VS00E30KNX





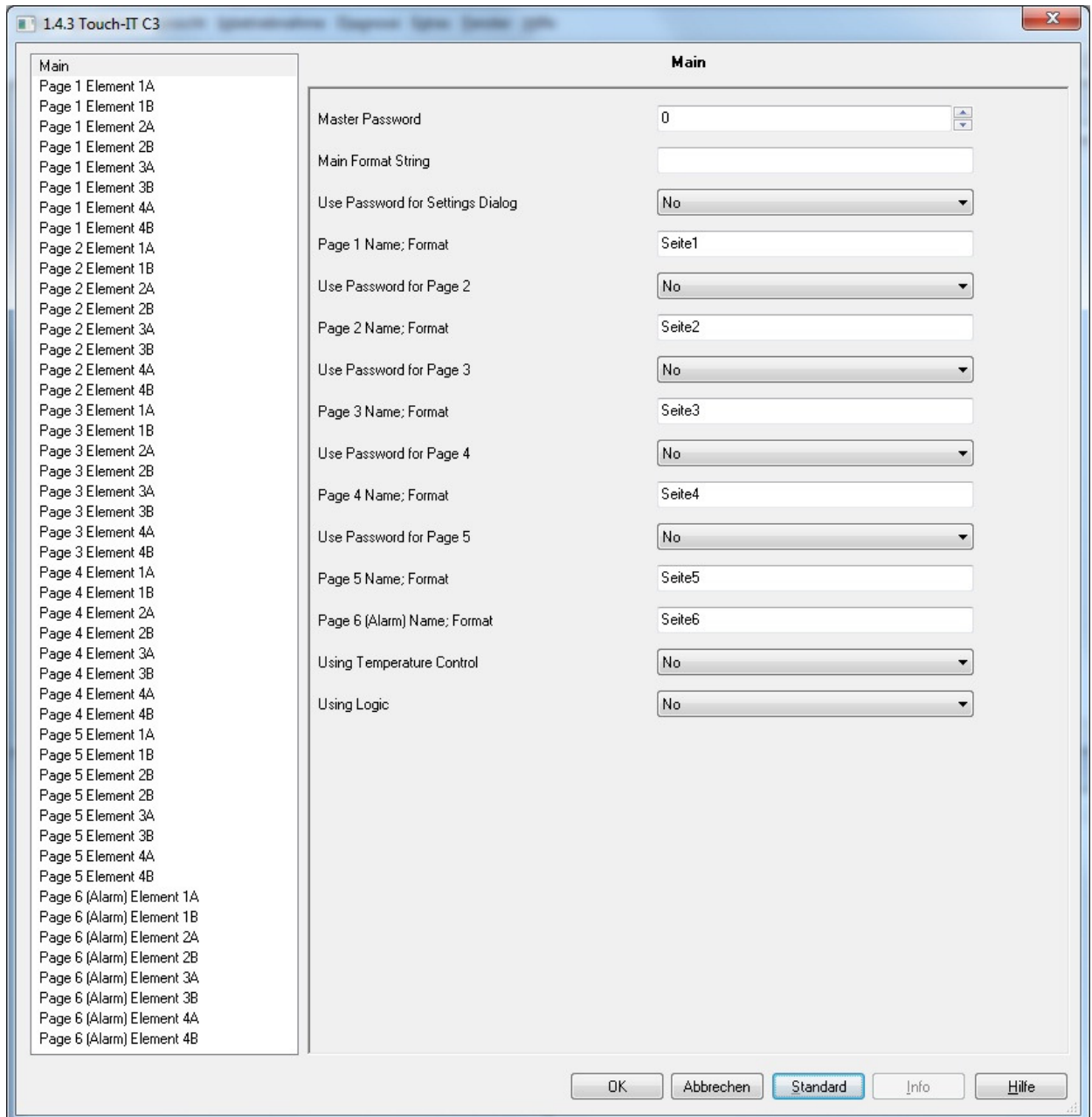
- **Main.....3**
- **Elements.....5**
- **Configuration.....7**

- Clock.....7*
- Stand by.....7*
- Acoustic Signals.....8*
- Characters.....8*
- Back Up & Reset.....9*
- Layout & Language.....9*

- **ETS Items.....10**



Main



1.4.3 Touch-IT C3

Main

- Main
- Page 1 Element 1A
- Page 1 Element 1B
- Page 1 Element 2A
- Page 1 Element 2B
- Page 1 Element 3A
- Page 1 Element 3B
- Page 1 Element 4A
- Page 1 Element 4B
- Page 2 Element 1A
- Page 2 Element 1B
- Page 2 Element 2A
- Page 2 Element 2B
- Page 2 Element 3A
- Page 2 Element 3B
- Page 2 Element 4A
- Page 2 Element 4B
- Page 3 Element 1A
- Page 3 Element 1B
- Page 3 Element 2A
- Page 3 Element 2B
- Page 3 Element 3A
- Page 3 Element 3B
- Page 3 Element 4A
- Page 3 Element 4B
- Page 4 Element 1A
- Page 4 Element 1B
- Page 4 Element 2A
- Page 4 Element 2B
- Page 4 Element 3A
- Page 4 Element 3B
- Page 4 Element 4A
- Page 4 Element 4B
- Page 5 Element 1A
- Page 5 Element 1B
- Page 5 Element 2B
- Page 5 Element 2B
- Page 5 Element 3A
- Page 5 Element 3B
- Page 5 Element 4A
- Page 5 Element 4B
- Page 6 (Alarm) Element 1A
- Page 6 (Alarm) Element 1B
- Page 6 (Alarm) Element 2A
- Page 6 (Alarm) Element 2B
- Page 6 (Alarm) Element 3A
- Page 6 (Alarm) Element 3B
- Page 6 (Alarm) Element 4A
- Page 6 (Alarm) Element 4B

Main

Master Password: 0

Main Format String:

Use Password for Settings Dialog: No

Page 1 Name; Format: Seite1

Use Password for Page 2: No

Page 2 Name; Format: Seite2

Use Password for Page 3: No

Page 3 Name; Format: Seite3

Use Password for Page 4: No

Page 4 Name; Format: Seite4

Use Password for Page 5: No

Page 5 Name; Format: Seite5

Page 6 (Alarm) Name; Format: Seite6

Using Temperature Control: No

Using Logic: No

OK Abbrechen Standard Info Hilfe

- **Master Password:**

A four digit password can be assigned to protect or lock pages or functions. Entering "0" deactivates this function.

For example, if the password is a „1“ , then „0001“ should be entered on the Touch Panel Eelecta to view the protected page or to carry out the function of a protected element.

- **Main Format String:**

If a layout with a main menu is selected, this menu can be labelled. Universal button configuration can be programmed here. The format must contain the form „Name: PARAMETER1=xx; PARAMETER2=yy ...“. Before the first parameter there must be a semicolon and the parameters are separated by a semicolon.

BREPEAT= set the repetition rate.

BLONG= set how long the button must be held down until it is detected.

- **Use Password for Settings Dialog:**

System page with password protection.

- **Page 1 – 5 Name; Format**

The 5 pages are named here.

- **Use Password for Page 2 – 5**

A password can be used for every page except the first page, which is protected by the master password. This function is deactivated if no password is assigned.

- **Page 6 (Alarm) Name; Format**

Name the alarm page and set universal alarm settings. The line must contain the form „Name;PARAMETER1=xx; PARAMETER2=yy...“. Before the first parameter there must be a semicolon and the parameters are separated by a semicolon.

RESCAN= Timing in seconds for alarm button recheck

BEEPOFF= Number of acoustic warnings

AUTOHIDE The alarm page should be closed if alarm conditions are changed at a different position or are confirmed

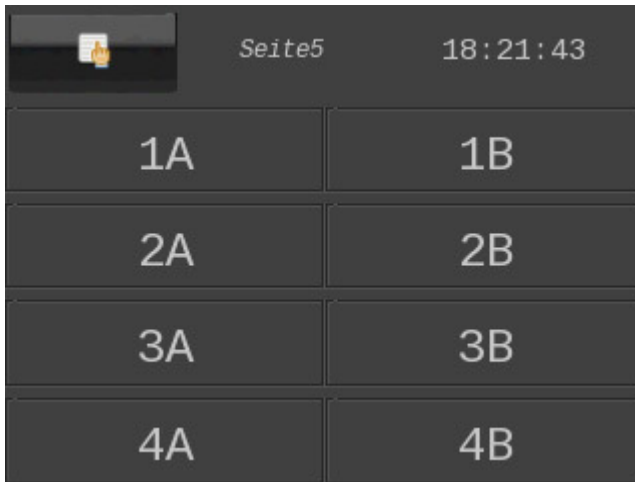
- **Using Temperature Control:**

At this time the temperature controller has not been installed and thus has no function.

- **Using Logic:**

At this time the logic module has not been installed and thus has no function.

Elements:

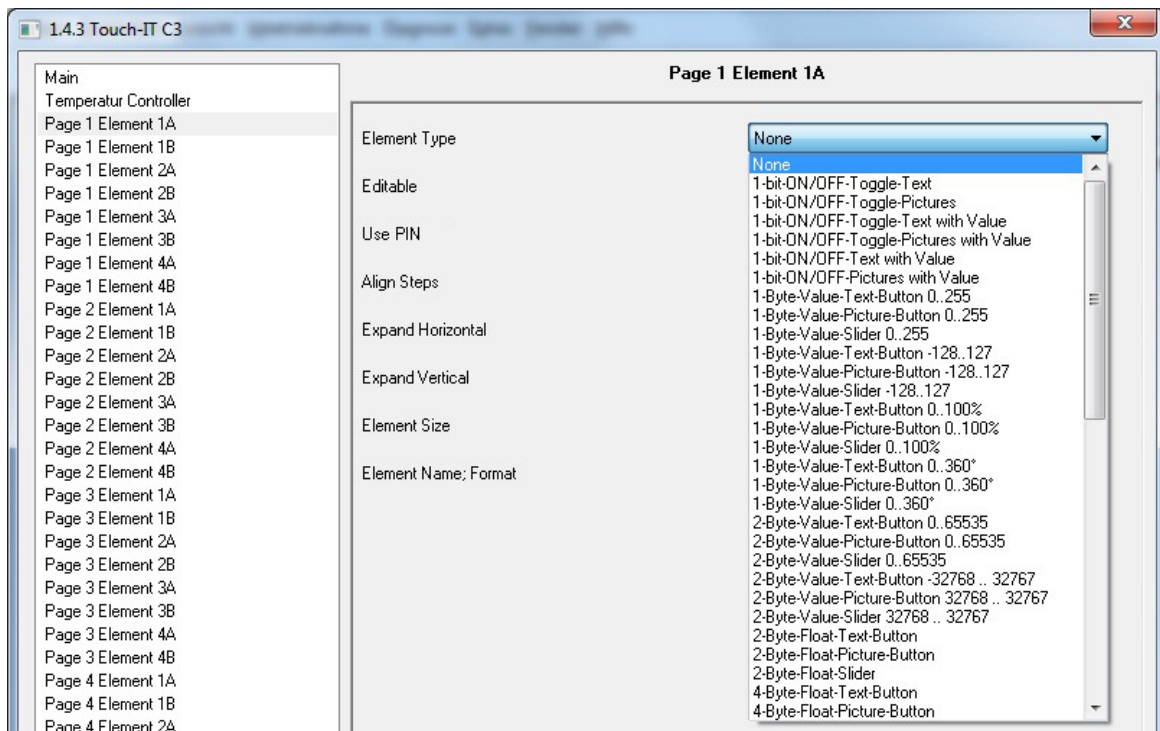


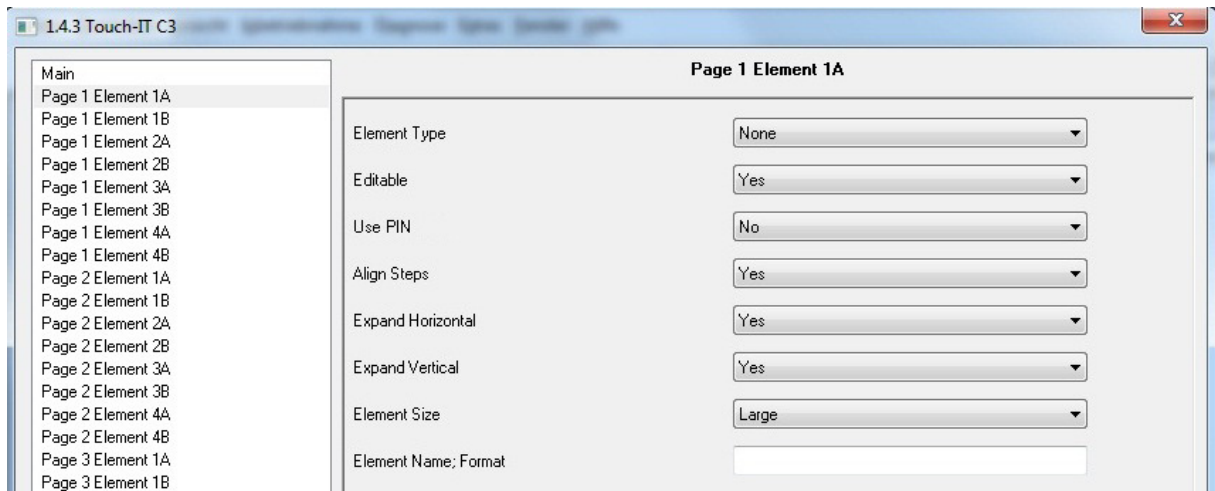
The above shows the list of elements. Per page there is a maximum of 4 lines and 2 columns.

Parameterization is carried out as follows:

Element Type

Choose from 1 Bit to 14 Byte strings. A list of all the strings is found in the document "Element Type Description".





Edit

The Touch Panel Eelecta element can be operated only when the selection is activated. When not activated the elements can only be viewed.

Use PIN

To protect the element with a password, press the „Use PIN“ button. Parameters can be set in the field „Element Name, Format“:

No additional value	listed	→ Use MasterPIN
PIN= XXXX		→ PIN XXXX is used for this element
PPIN		→ 2nd function protected by MasterPIN
PPIN=XXXX		→ 2nd function protected by PIN XXXX

Align Steps

Increments for setpoint specifications or slider are determined with STEPS. When Align Steps is activated the increments are aligned evenly. For example, using a positive increment of 0,5°C, 0,6°C is changed to either 1,1°C or 1,0°C when the alignment is active.

Expand Horizontal

The element is expanded horizontally to its maximum position as long as no other element is in the same line.

Expand Vertical

The element is expanded vertically to its maximum position as long as no other element is in the same column.

Element Size

4 sizes are available: **Small**, **Normal**, **Large** and **X-Large**. Calibrate the device by choosing **configuration** and then **characters**.

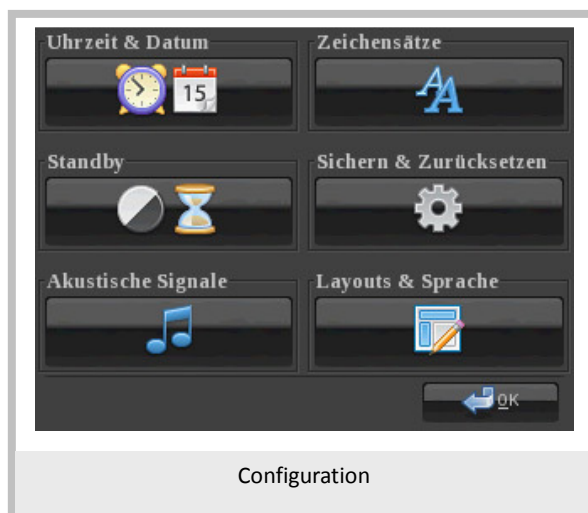
Element Name; Format

The element can be labelled, which is then shown on the left above the button on the Touch Panel Eelecta. Additional parameter settings can be carried out here. The line must contain the form „Name;PARAMETER1=xx;PARAMETER2=yy...“. Before the first parameter there must be a semicolon and the parameters are separated by a semicolon. Refer to the document “Element Type Description” to obtain the parameter.

Configuration:

The following parameters for the Touch Panel Eelecta can be set here.

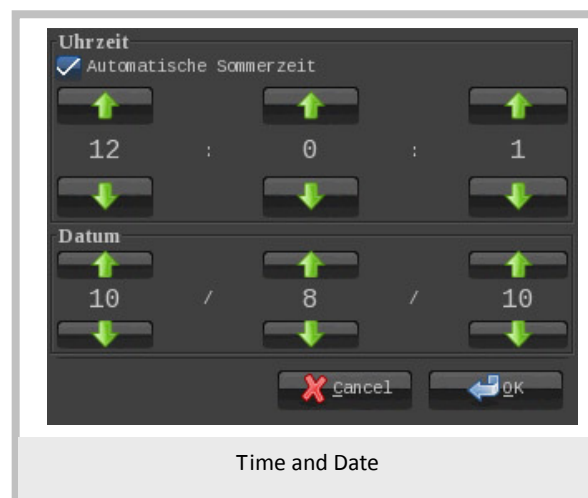
- Time and Date
- Standby
- Acoustic Signals
- Characters
- Save and Reset
- Layouts & Language



Configuration

Configuring Time:

The time and date are set on the Touch Panel Eelecta or by using the system object.



Time and Date



Configuring Stand By:

Once installed, normal mode brightness and the screen saver can be set, as well as a chronology. (Screen Saver and Standby)

Configuring Acoustic Signals:

The volume, frequency and length of button sounds can be freely calibrated. The alarm volume can also be set.

Configuring Fonts:

Element sizes for ETS can be freely adjusted.

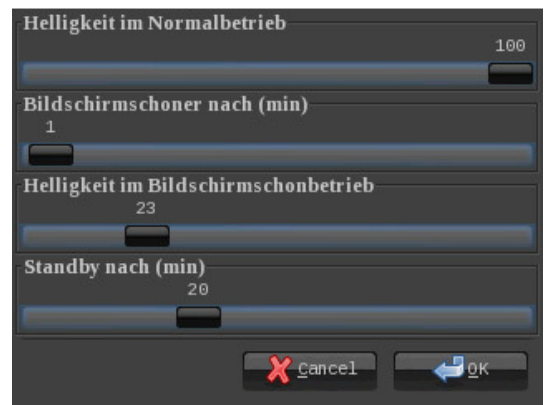
ETS (Element Size) → Touch_IT (Fonts)
 Small → small
 Normal → normal
 Large → large
 X-Large → very large

It is also possible to change:

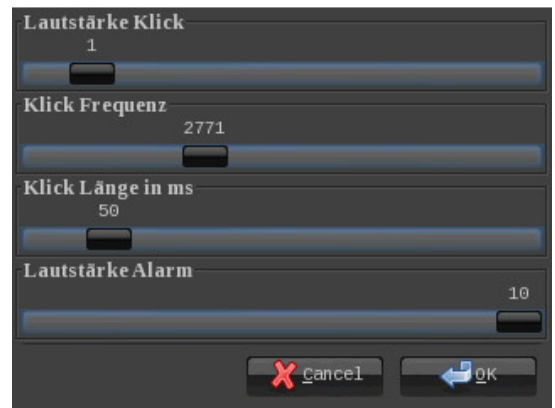
Frame Notation
 Page Names
 Menu

Adjustable parameters are:

font
 type
 size



Standby



Acoustic Signals



Characters



Adjusting Fonts

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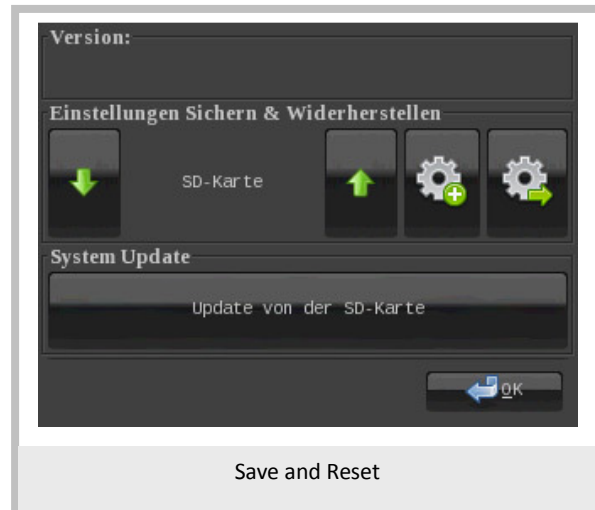




Configuring Save & Reset:

Show current firmware version.

System configuration (Characters, Layout, Menu Navigation, Standby, etc) can be saved onto internal disks or SD cards and reloaded from there.



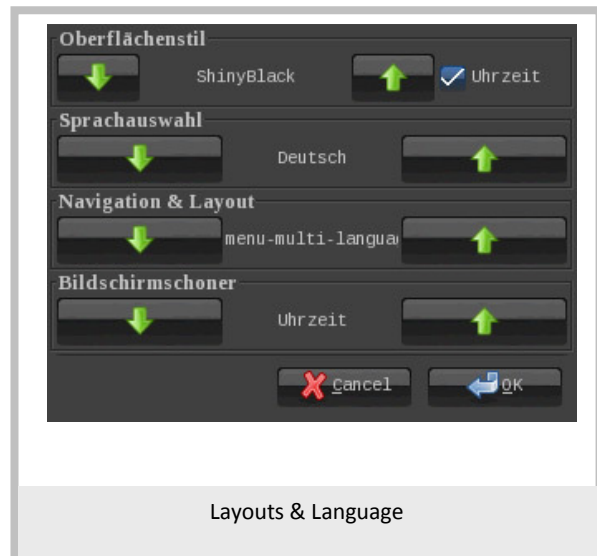
Configuring Layouts & Language:

Several layouts are available.

The device can switch between German and English and additional languages will soon be available.

6 Navigation Items:
Menu View
Multilingual Menu
Upper Tabs
Right Tabs
Left Tabs
Arrows Up

Choice of Screen Savers:
Stationary Picture
Dynamic Picture
Time and Date



ETS Object:

Nu...	Name	Funktion	Beschreibung	Gruppenadressen	Länge	K	L	S	Ü	A	Datentyp	Priorität
192	System Time	System Time			3 Byte	K	L	S	Ü	-	Time DPT_TimeOfDay	Niedrig
193	System Date	System Date			3 Byte	K	L	S	Ü	-	Date DPT_Date	Niedrig
194	System Standby	System Standby			1 bit	K	L	S	-	A	1 bit	Niedrig
195	System LED1	System LED1			1 bit	K	L	S	-	A	1 bit DPT_Switch	Niedrig
196	System LED2	System LED2			1 bit	K	L	S	-	A	1 bit	Niedrig

Up to 196 group addresses can be administered. If no elements are activated, only the system object in the topology is shown.

E.g. If element 1A on page 1 is activated and defined as 1 bit object, the topology changes as follows:

Nu...	Name	Funktion	Beschreibung	Gruppenadressen	Länge	K	L	S	Ü	A	Datentyp	Priorität
10	1.1-A Output, Switching	Switch			1 bit	K	L	S	Ü	A	1 bit	Niedrig
11	1.1-A Input, Feedback	Switch			1 bit	K	L	S	Ü	A	1 bit	Niedrig
192	System Time	System Time			3 Byte	K	L	S	Ü	-	Time DPT_TimeOfDay	Niedrig
193	System Date	System Date			3 Byte	K	L	S	Ü	-	Date DPT_Date	Niedrig
194	System Standby	System Standby			1 bit	K	L	S	-	A	1 bit	Niedrig
195	System LED1	System LED1			1 bit	K	L	S	-	A	1 bit DPT_Switch	Niedrig
196	System LED2	System LED2			1 bit	K	L	S	-	A	1 bit	Niedrig

Every element has connectable function-specific objects (see document „Element Type Description“). The exact relationship between the parameter view and object view in the topology is solved as follows:

E.g.

Page 3 Element 2B equates to **3.2-B** in the topology.

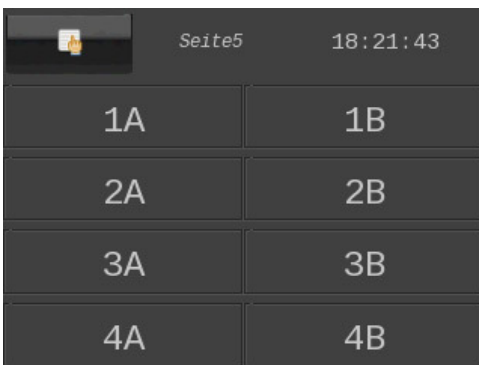
Element Types Description 3,5" Color Touch Display

VS00E10KNX
VS00E20KNX
VS00E30KNX

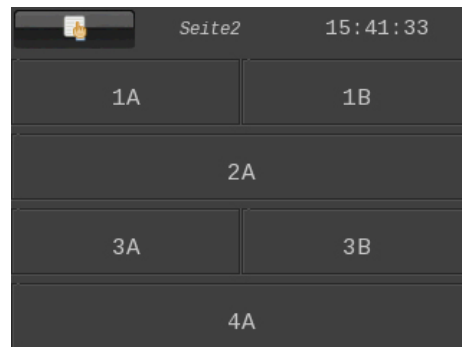
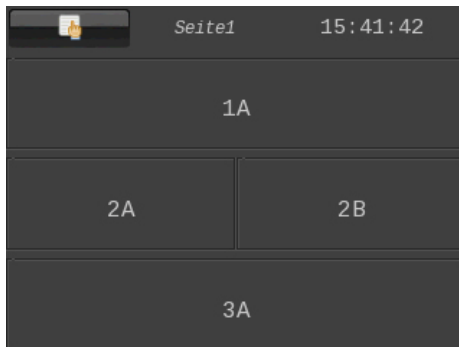


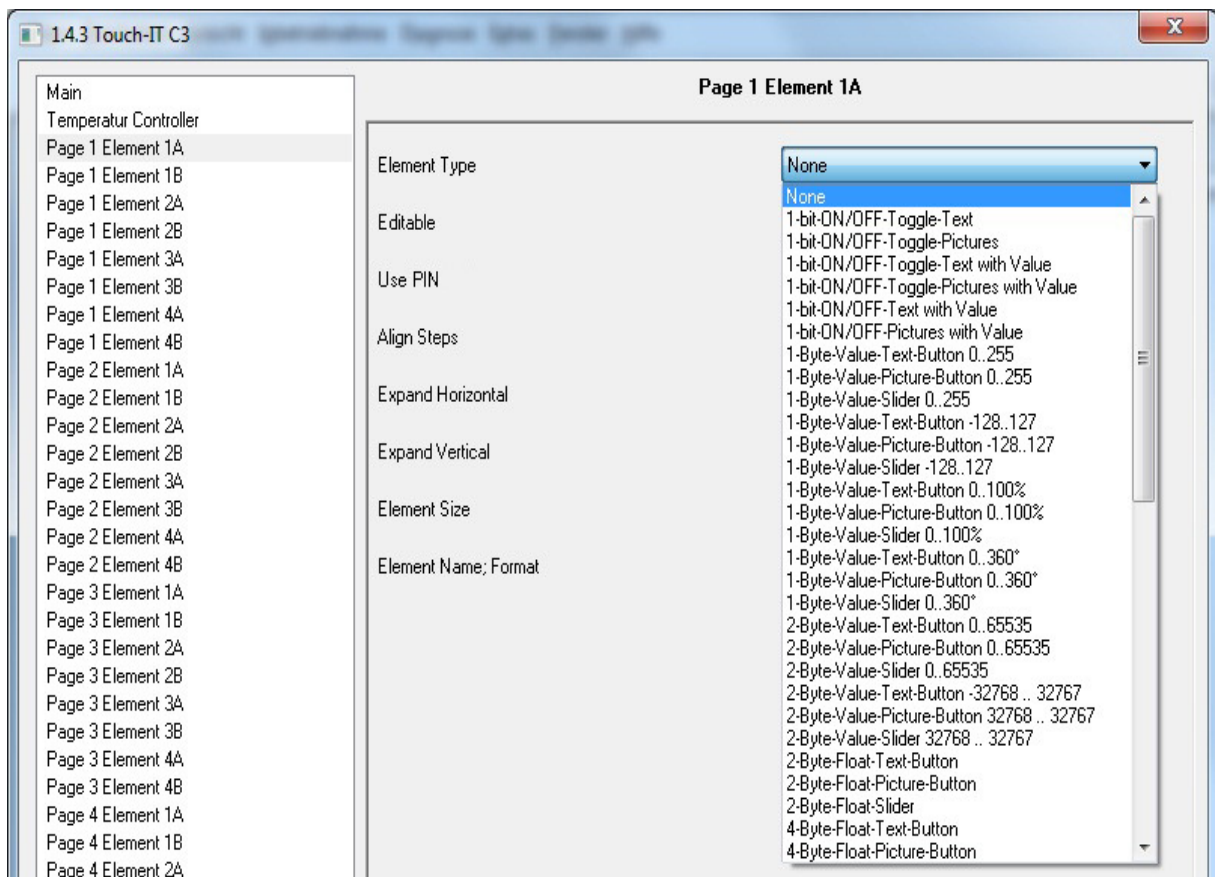
The following section describes all of the elements, which are present on the Touch Panel Eelecta. There are images, and examples for all Elements available. Further all the individual format options are described and listed the various ETS objects.

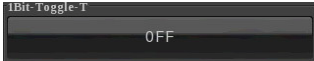
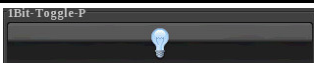




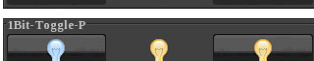
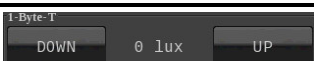
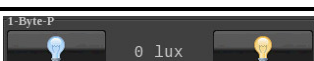
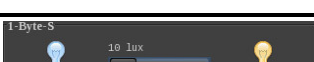



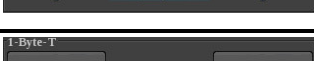


A Touch Panel Eelecta page can manage up to eight widgets.

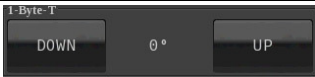
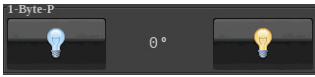

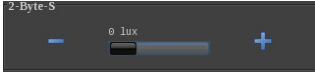

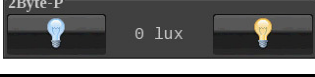
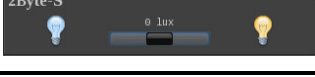

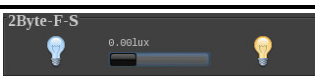

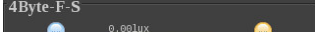


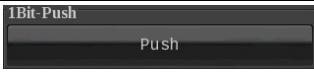

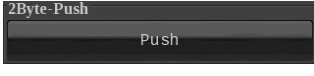
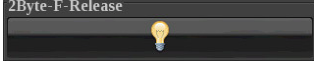
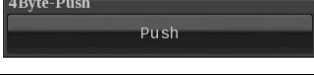
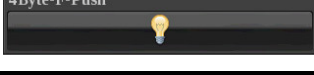
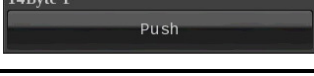
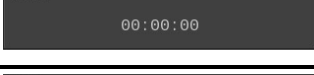
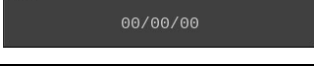
The pages are formatted automatically after uploading. If there are less than 8 elements on a page, they will be allocated over the available area (The Expand parameter (vertical and horizontal) determines whether the software tries to increase the elements as much as possible).


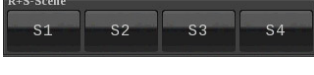
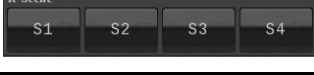
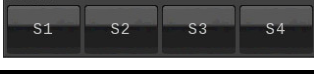






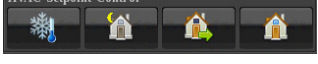


Picture	Elem. Nr.	Element Type	Page
	Range	Format	
	1	1-bit-ON/OFF-ToggleText	19
	0/1	B0,B1,AL,AH,PIN	
	2	1-bit-ON/OFF-Toggle Pictures	20
	0/1	IMGSET,AL,AH,PIN	
	3	1-bit-ON/OFF-Toggle-Text with Value	21
	0/1	W,L0,L1,B0,B1,AL,AH,PIN	
	4	1-bit-ON/OFF-Toggle-Pictures with Value	22
	0/1	W,B0,B1,IMGSET,AL,AH,PIN	
	5	1-bit-ON/OFF-Text with Value	23
	0/1	W, L0,L1,B0, B1, AL, AH,PIN	
 	6	1-bit-ON/OFF-Pictures with Value	24
	0/1	W,B0,B1,IMGSET,AL,AH,PIN	
	10	1-Byte-Value-Text-Button 0..255	25
	0...255	W,B-,B+,PF,STEPS,MIN,MAX,AL,AH,PIN	
	11	1-Byte-Value-Picture-Button 0..255	26
	0...255	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	12	1-Byte-Value-Slider 0..255	27
	0...255	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	13	1-Byte-Value-Text-Button -128..127	28
	-128...127	W,B-,B+,PF,STEPS,MIN,MAX,AL,AH,PIN	
	14	1-Byte-Value-Picture-Button -128..127	29
	-128...127	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	15	1-Byte-Value-Slider -128..127	30
	-128...127	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	16	1-Byte-Value-Text-Button 0..100%	31
	0...255	W,B-,B+,PF,STEPS,MIN,MAX,AL,AH,PIN	
	17	1-Byte-Value-Picture-Button 0..100%	32
	0...255	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	18	1-Byte-Value-Slider 0..100%	33

	0...255	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	19	1-Byte-Value-Text-Button 0..360°	34
	0...255	W,B-,B+,PF,STEPS,MIN,MAX,AL,AH,PIN	
	20	1-Byte-Value-Picture-Button 0..360°	35
	0...255	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	21	1-Byte-Value-Slider 0..360°	36
	0...255	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	22	2-Byte-Value-Text-Button 0..65535	37
	0...65535	W,B-,B+,PF,STEPS,MIN,MAX,AL,AH,PIN	
	23	2-Byte-Value-Picture-Button 0..65535	38
	0...65535	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	24	2-Byte-Value-Slider 0..65535	39
	0...65535	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	25	2-Byte-Value-Text-Button -32768..32767	40
	-32768...32767	W,B-,B+,PF,STEPS,MIN,MAX,AL,AH,PIN	
	26	2-Byte-Value-Picture-Button -32768..32767	41
	-32768...32767	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	27	2-Byte-Value-Slider -32768..32767	42
	-32768...32767	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,PIN	
	30	2-Byte-Float-Text-Button	43
	-671 088,64 ... 670 760,96	W,B-,B+,PF,STEPS,MIN,MAX,AL,AH,DC,PIN	
	31	2-Byte-Float-Picture-Button	44
	-671 088,64 ... 670 760,96	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,DC,PIN	
	32	2-Byte-Float-Slider	45
	-671 088,64 ... 670 760,96	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,DC,PIN	
	33	4-Byte-Float-Text-Button	46
	IEEE 754	W,B-,B+,PF,STEPS,MIN,MAX,AL,AH,DC,PIN	
	34	4-Byte-Float-Picture-Button	47
	IEEE 754	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,DC,PIN	
	35	4-Byte-Float-Slider	48

	IEEE 754	W,PF,IMGSET,STEPS,MIN,MAX,AL,AH,DC,PIN	
	40	1-Bit-Value-Pushbutton	49
	1/0	IMG,PRESS,RELEASE,LABEL,PIN	
	41	1-Byte-Value-Pushbutton	50
	0...255	IMG,PRESS,RELEASE,LABEL,PIN	
	42	2-Byte-Value-Pushbutton	51
	0...65535	IMG,PRESS,RELEASE,LABEL,PIN	
	43	2-Byte-Float-Value-Pushbutton	52
	2 Byte	IMG,PRESS,RELEASE,LABEL,PIN	
	44	4-Byte-Value-Pushbutton	53
	4 Byte	IMG,PRESS,RELEASE,LABEL,PIN	
	45	4-Byte-Float-Value-Pushbutton	54
	4 Byte	IMG,PRESS,RELEASE,LABEL,PIN	
	46	14-Byte-String-Pushbutton	55
	14 Byte	IMG,PRESS,RELEASE,LABEL,PIN	
	50	3-Byte-Time	56
	3 Byte	LONG,PIN	
	51	3-Byte-Date	57
	3 Byte	LONG,PIN	

	52	14-Byte-String	58
	14 Byte	-	
	55	Scene-Control-Recall-Save	59
	0 ... 63	TO,N,MOD,Nx,Sx (x = 1..4) ,PIN,PPIN	
	56	Scene-Control-Recall-Only	60
	0 ... 63	N,MOD,Nx,Sx (x = 1..4) ,PIN	
	57	Scene-Control-Save-Only	61
	0 ... 63	N,MOD,Nx,Sx (x = 1..4) ,PIN	
	60	Alarmclock	62
	1/0	W,MOD,ALTO,PIN,PPIN	
	61	Alarmtimer	63
	1/0	W,MOD,ALTO,PIN,PPIN	

	62	1-Bit-Timer-Profile	64
	0/1	W,OVRTO,PIN,PPIN	
	63	1-Byte-Timer-Profile 0..100%	65
	0...255	W,IMG,MN,MAX,STEP,OVRTO,PIN,PPIN	
	64	1-Byte-Timer-Profile 0..255	66
	0...255	W, IMG,PF,MIN,MAX,STEP,OVRTO,PIN,PPIN	
	65	1-Byte-Timer-Profile-HVAC	67
	0...255	W, IMG,OVRTO,PIN,PPIN	
	66	2-Byte-Float-Timer-Profile	68
	-671 088,64 ... 670 760,96	W, IMG,PF,MIN,MAX,STEP,OVRTO,PIN,PPIN	
	70	4-Bit-Dimmer-Start-Stop	69
	0 ... 15	W,B-,B+,STEP ,TO,IMGSET ,PIN	
	71	4-Bit-Dimmer-Repeat	70
	0 ... 15	W,B-,B+,STEP,REP,TO,IMGSET,PIN	
	72	8-Bit-Dimmer-Repeat	71
	0 ... 255	W,B-,B+,STEP,REP,TO,IMGSET,PIN	
	73	Shutter-Blinds-Control-A	72
	0/1	W,B-,B+,TO,IMGSET ,PIN	
	74	Shutter-Blinds-Control-B	73
	0/1	W,B-,B+,REP,TO,IMGSET,PIN	
	75	Shutter-Blinds-Control-C	74
	0/1	W,B-,B+,TO,IMGSET,PIN	
	76	RGB-Dimmer-A	75
	3x 0 ... 255	W,STEPS,IMGSET ,B-,B+,PIN	
	77	RGB-Dimmer-B	76
	3x 0 ... 255	W,STEPS,IMGSET ,B-,B+,PIN	
	78	RGB-Dimmer-C	77
	3x 0 ... 255	W,STEPS,IMGSET ,B-,B+,PIN	
	79	RGB-Dimmer-D	78
	3x 0 ... 255	W,STEPS,IMGSET ,B-,B+,PIN	

	80 -671 088,64 ... 670 760,96	HVAC-Setpoint-Control W,TO,DC,STEP,T,MIN,MAX,PIN	79
	81 0 ... 4	HVAC-Mode-Control W,PIN	
	82 0 ... 4	HVAC-Mode-Control-Text W,PIN	81

Element Type: **1-bit-ON/OFF-ToggleText**

Nr. 1

ETS Object:		
range	0/1	
Input	Feedback	1 bit
Output	Switching	1 bit

Format:	
B0	Text on the button to send a 0.
B1	Text on the button to send a 1.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

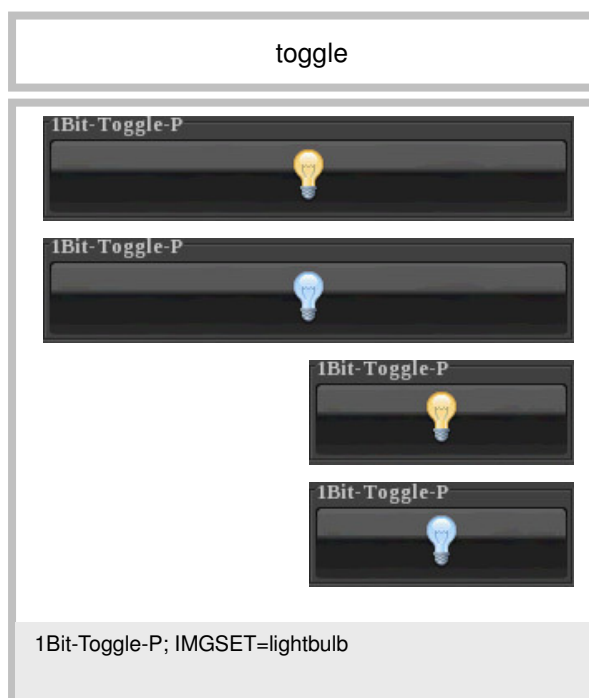
Simple Element to send/receive a 1-bit value 0/1. Set the displayed Texte on the buttons using B0 and B1.
If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0/1	
Input	Feedback	1 bit
Output	Switching	1 bit

Format:	
IMGSET	Determines the choice of used icons.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Simple Element to send/receive a 1-bit value 0/1. Set the displayed Icons on the buttons using IMGSET.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

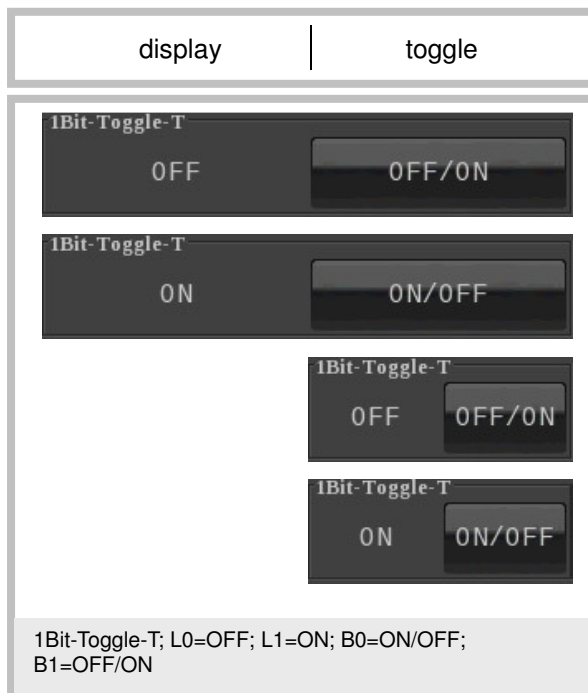


ETS Object:		
range	0/1	
Input	Feedback	1 bit
Output	Switching	1 bit

Format:	
W	Determines the width of the notification area.
L0	Display String at 0 on the Bus.
L1	Display String at 1 on the Bus.
B0	Text on the button to send a 0.
B1	Text on the button to send a 1.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send/receive a 1-bit value 0/1. Use the right side as buttons. On the left side the current state is displayed by text. Set the strings for the display on the left side using L0 and L1. Set the strings for the buttons using B0 and B1. The width of the left side can be influenced with W.







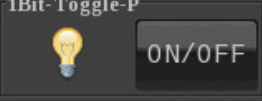

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned..



ETS Object:		
range	0/1	
Input	Feedback	1 bit
Output	Switching	1 bit

Format:	
W	Determines the width of the notification area.
B0	Display String at 0 on the Bus.
B1	Text on the button to send a 1.
IMGSET	Determines the choice of used icons.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send/receive a 1-bit value 0/1. Use the right side as buttons. On the left side the current state is displayed by icons. Set the icons for the display on the left side using IMGSET. Set the strings for the buttons using B0 and B1. The width of the left side can be influenced with W.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

display	toggle
	
	
	
	

1Bit-Toggle-P; B0=ON/OFF; B1=OFF/ON;
 IMGSET=lightbulb

ETS Object:		
range	0/1	
Input	Feedback	1 bit
Output	Switching	1 bit

Format:	
W	Determines the width of the notification area.
L0	Display String at 0 on the Bus.
L1	Display String at 1 on the Bus.
B0	Text on the button to send a 0.
B1	Text on the button to send a 1.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send/receive a 1-bit value 0/1. Use the right and the left side as buttons. In the center the current state is displayed through text. Set the strings for the display in the center using L0 and L1. With B0 and B1 the strings for the buttons can be adjusted. The width of the center side can be influenced with W.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

0 send | display | 1 send

1Bit-Toggle-T

OFF

OFF

ON

1Bit-Toggle-T

OFF

ON

ON

1Bit-Toggle-T

OFF

OFF

ON

1Bit-Toggle-T

OFF

ON

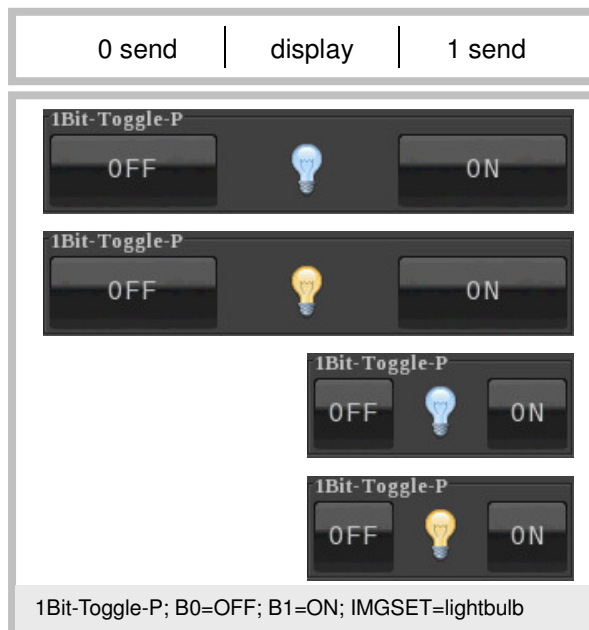
ON

1Bit-Toggle-T; L0=OFF; L1=ON; B0=OFF; B1=ON

ETS Object:		
range	0/1	
Input	Feedback	1 bit
Output	Switching	1 bit

Format:	
W	Determines the width of the notification area.
B0	Text on the button to send a 0.
B1	Text on the button to send a 1.
IMGSET	Determines the choice of used icons.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send/receive a 1-bit value 0/1. Use the right and the left side as buttons. In the center the current state is displayed through icons. With B1 and B0 the icons on the buttons set by IMGSET can be replaced by text. The width of the center side can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0...255	
Input	Feedback	1 Byte
Output	Value	1 Byte

Format:	
W	Determines the width of the notification area.
B+	Text on the button to increment the value.
B-	Text on the button to decree the value.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

decrement | display | increment

1-Byte-T

DOWN

0 lux

UP

1-Byte-T

DOWN

0 lux

UP

1-Byte-T; B-=DOWN; B+=UP; PF=lux; STEPS=32; MIN=10; MAX=200

Element to set and display a 1-byte value. The adjustable range goes from 0 to 255, can be limited by MIN and MAX. Use the right and the left side as buttons. Set the texts displayed there with B+ and B-. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF.

The width of the center side can be influenced with W. When the button is pressed, the value will be changed gradually by the value set at STEPS. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

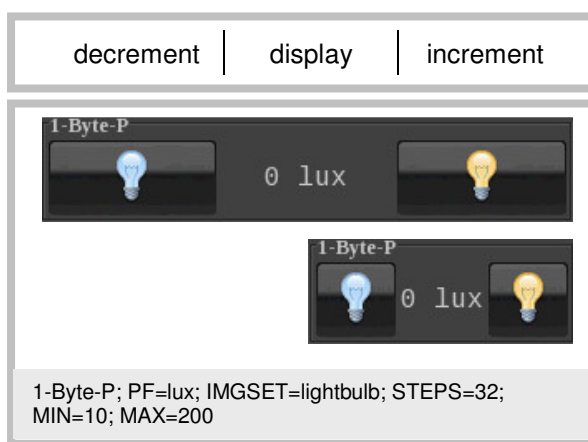
Element Type:

1-Byte-Value-Picture-Button 0..255

Nr. 11

ETS Object:		
range	0..255	
Input	Feedback	1 Byte
Output	Value	1 Byte

Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY



Element to send and receive a 1-byte value. The adjustable range goes from 0 to 255, can be limited using MIN and MAX. Use the right and the left side as buttons and set the icons displayed there with IMGSET. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF.

The width of the center side can be influenced with W.

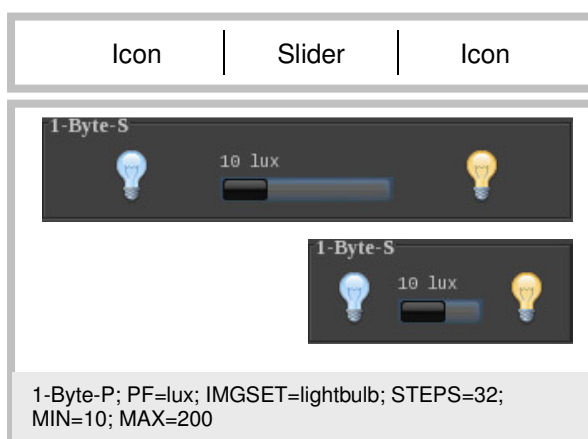
When the button is pressed, the value will be changed gradually by the value set at STEPS.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

ETS Object:		
range	0...255	
Input	Feedback	1 Byte
Output	Value	1 Byte

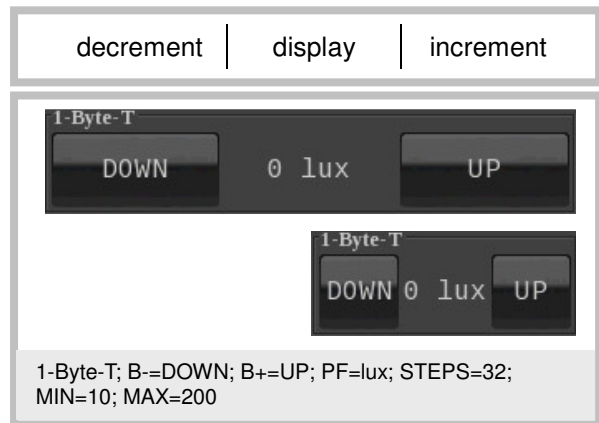
Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive a 1-byte value. The adjustable range goes from 0 to 255, can be limited using MIN and MAX. On the right and the left side icons are displayed, which can be selected using IMGSET. STEPS sets, how many steps it takes to get from MIN to MAX by moving the slider. Above the slider the current value is displayed in a unit defined by PF.
 The width of the center side can be influenced with W.
 By pressing the icons on the left and on the right side, the value will be changed gradually by the value set at STEPS. The value can also be changed by moving the Slider.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-128...127	
Input	Feedback	1 Byte
Output	Value	1 Byte

Format:	
W	Determines the width of the notification area.
B+	Text on the button to increment the value.
B-	Text on the button to decree the value.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY



Element to set and display a 1-byte value. The adjustable range goes from -128 to 127, can be limited by MIN and MAX. Use the right and the left side as buttons. Set the texts displayed there with B+ and B-. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF. The width of the center side can be influenced with W. When the button is pressed, the value will be changed gradually by the value set at STEPS. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

ETS Object:		
range	-128...127	
Input	Feedback	1 Byte
Output	Value	1 Byte

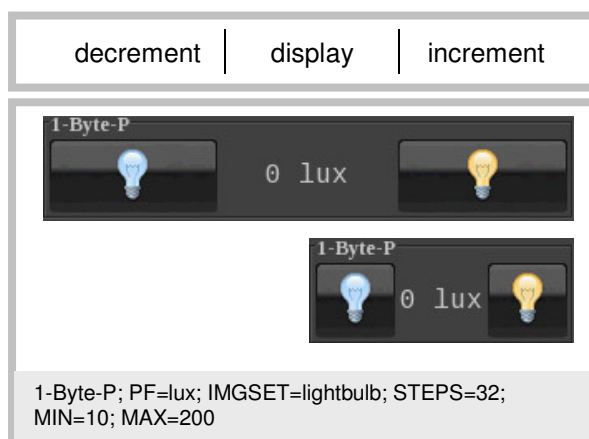
Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive a 1-byte value. The adjustable range goes from -128 to 127, can be limited using MIN and MAX. Use the right and the left side as buttons and set the icons displayed there with IMGSET. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF.

The width of the center side can be influenced with W.

When the button is pressed, the value will be changed gradually by the value set at STEPS.

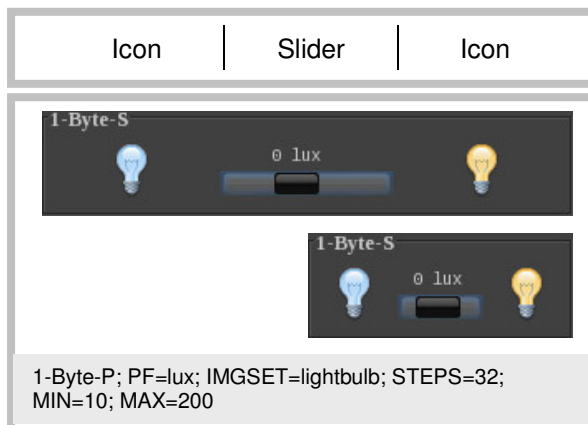
If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-128...127	
Input	Feedback	1 Byte
Output	Value	1 Byte

Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive a 1-byte value. The adjustable range goes from -128 to 127, can be limited using MIN and MAX. On the right and the left side icons are displayed, which can be selected using IMGSET. STEPS sets, how many steps it takes to get from MIN to MAX by moving the slider. Above the slider the current value is displayed in a unit defined by PF. The width of the center side can be influenced with W. By pressing the icons on the left and on the right side, the value will be changed gradually by the value set at STEPS. The value can also be changed by moving the Slider. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0...255	
Input	Feedback	1 Byte
Output	Value	1 Byte

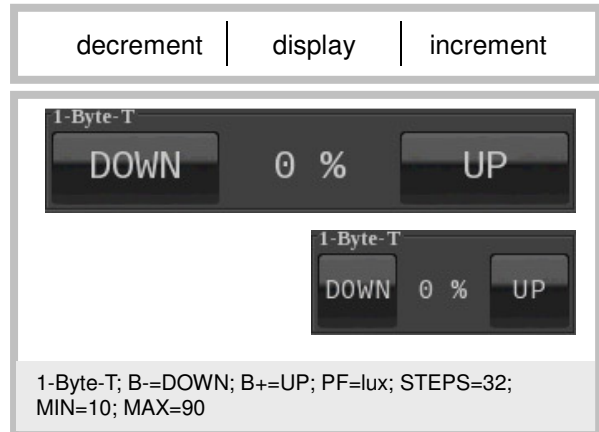
Format:	
W	Determines the width of the notification area.
B+	Text on the button to increment the value.
B-	Text on the button to decree the value.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to set and display a 1-byte value. The adjustable range goes from 0 to 255, the displayed range goes from 0 to 100% and can be limited by MIN and MAX. Use the right and the left side as buttons. Set the texts displayed there with B+ and B-. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF.

The width of the center side can be influenced with W.

When the button is pressed, the value will be changed gradually by the value set at STEPS.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0...255	
Input	Feedback	1 Byte
Output	Value	1 Byte

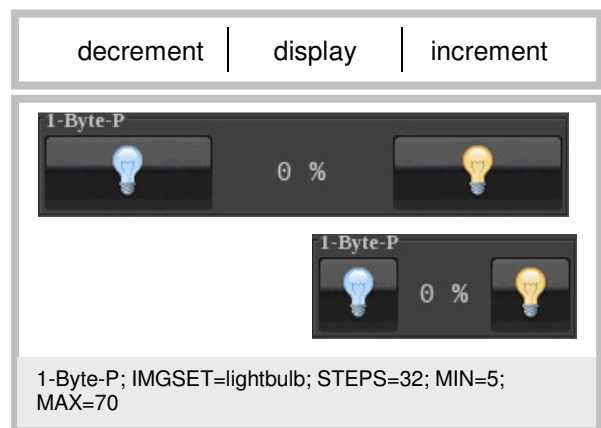
Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps..
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive a 1-byte value. The adjustable range goes from 0 to 255, the displayed range goes from 0 to 100% and can be limited using MIN and MAX. Use the right and the left side as buttons and set the icons displayed there with IMGSET. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF.

The width of the center side can be influenced with W.

When the button is pressed, the value will be changed gradually by the value set at STEPS.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0...255	
Input	Feedback	1 Byte
Output	Value	1 Byte

Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive a 1-byte value. The adjustable range goes from 0 to 255, the displayed range goes from 0 to 100% and can be limited using MIN and MAX. On the right and the left side icons are displayed, which can be selected using IMGSET. STEPS sets, how many steps it takes to get from MIN to MAX by moving the slider. Above the slider the current value is displayed in a unit defined by PF.

The width of the center side can be influenced with W.

By pressing the icons on the left and on the right side, the value will be changed gradually by the value set at STEPS. The value can also be changed by moving the Slider.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0...255	
Input	Feedback	1 Byte
Output	Value	1 Byte

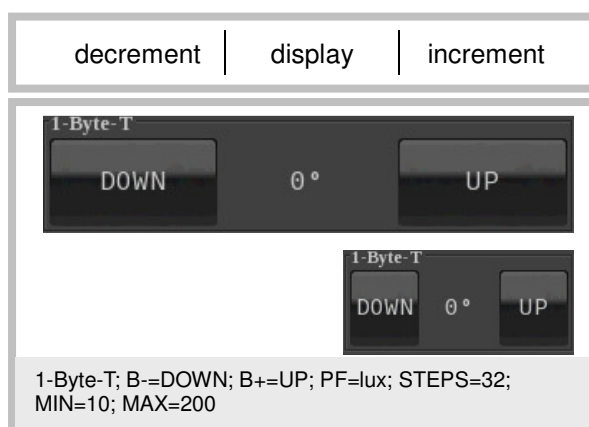
Format:	
W	Determines the width of the notification area.
B+	Text on the button to increment the value.
B-	Text on the button to decree the value.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to set and display a 1-byte value. The adjustable range goes from 0 to 255, the displayed range goes from 0 to 360° and can be limited by MIN and MAX. Use the right and the left side as buttons. Set the texts displayed there with B+ and B-. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF.

The width of the center side can be influenced with W.

When the button is pressed, the value will be changed gradually by the value set at STEPS.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0...255	
Input	Feedback	1 Byte
Output	Value	1 Byte

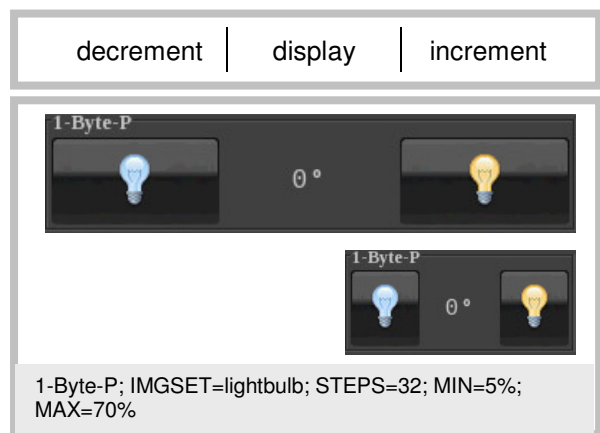
Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive a 1-byte value. The adjustable range goes from 0 to 255, the displayed range goes from 0 to 360° and can be limited using MIN and MAX. Use the right and the left side as buttons and set the icons displayed there with IMGSET. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF.

The width of the center side can be influenced with W.

When the button is pressed, the value will be changed gradually by the value set at STEPS.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0...255	
Input	Feedback	1 Byte
Output	Value	1 Byte

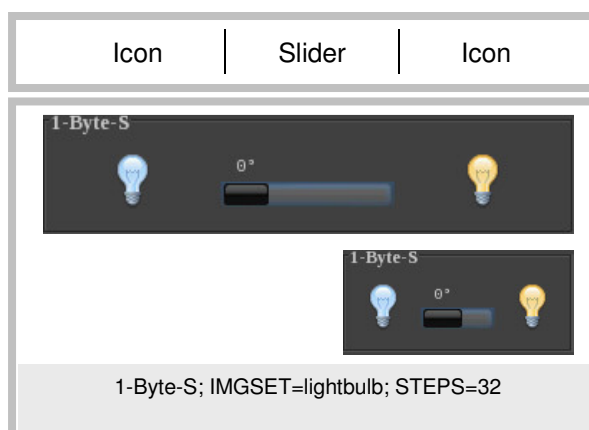
Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive a 1-byte value. The adjustable range goes from 0 to 255, the displayed range goes from 0 to 360° and can be limited using MIN and MAX. On the right and the left side icons are displayed, which can be selected using IMGSET. STEPS sets, how many steps it takes to get from MIN to MAX by moving the slider. Above the slider the current value is displayed in a unit defined by PF.

The width of the center side can be influenced with W.

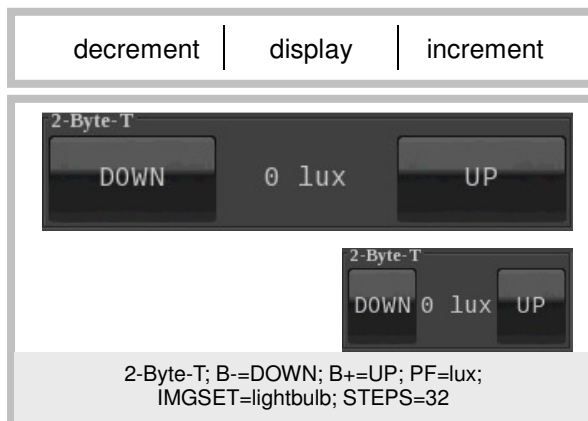
By pressing the icons on the left and on the right side, the value will be changed gradually by the value set at STEPS. The value can also be changed by moving the Slider.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0..65535	
Input	Feedback	2 Byte
Output	Value	2 Byte

Format:	
W	Determines the width of the notification area.
B+	Text on the button to increment the value.
B-	Text on the button to decree the value.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps..
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY



Element to set and display a 2-byte value. The adjustable range goes from 0 to 65535, can be limited by MIN and MAX. Use the right and the left side as buttons. Set the texts displayed there with B+ and B-. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF.

The width of the center side can be influenced with W.

When the button is pressed, the value will be changed gradually by the value set at STEPS.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

ETS Object:		
range	0...65535	
Input	Feedback	2 Byte
Output	Value	2 Byte

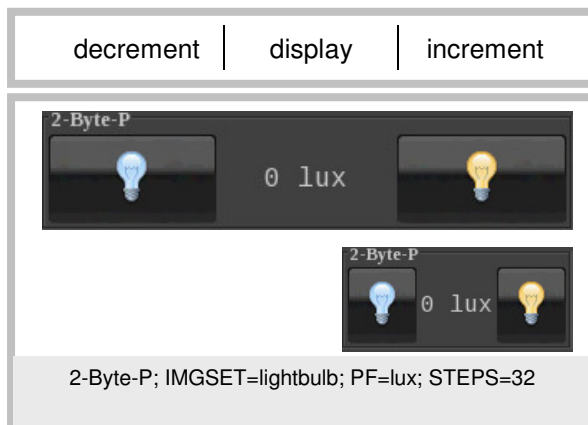
Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive a 2-byte value. The adjustable range goes from 0 to 65535, and can be limited using MIN and MAX. Use the right and the left side as buttons and set the icons displayed there with IMGSET. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF.

The width of the center side can be influenced with W.

When the button is pressed, the value will be changed gradually by the value set at STEPS.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0...65535	
Input	Feedback	2 Byte
Output	Value	2 Byte

Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set..
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

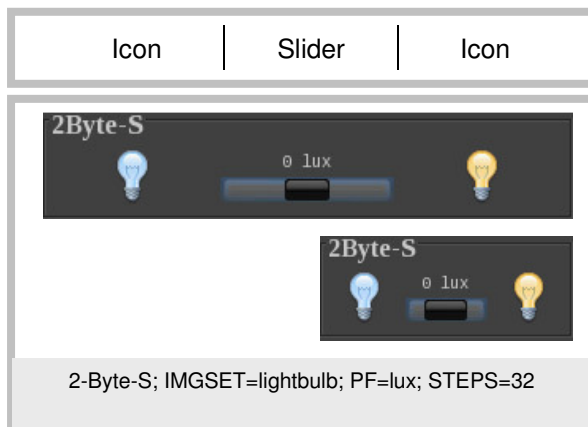
Element to send and receive a 2-byte value. The adjustable range goes from 0 to 65535, and can be limited using MIN and MAX. On the right and the left side icons are displayed, which can be selected using IMGSET. STEPS sets, how many steps it takes to get from MIN to MAX by moving the slider. Above the slider the current value is displayed in a unit defined by PF.

The width of the center side can be influenced with W.

By pressing the icons on the left and on the right side, the value will be changed gradually by the value set at STEPS.

The value can also be changed by moving the Slider.


If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0...65535	
Input	Feedback	2 Byte
Output	Value	2 Byte

Format:	
W	Determines the width of the notification area.
B+	Text on the button to increment the value.
B-	Text on the button to decree the value.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

decrement | display | increment



2-Byte-T;B-=DOWN;B+=UP;PF=lux;STEPS=32

Element to set and display a 2-byte value. The adjustable range goes from -32768 to 32767, can be limited by MIN and MAX. Use the right and the left side as buttons. Set the texts displayed there with B+ and B-. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF.

The width of the center side can be influenced with W.

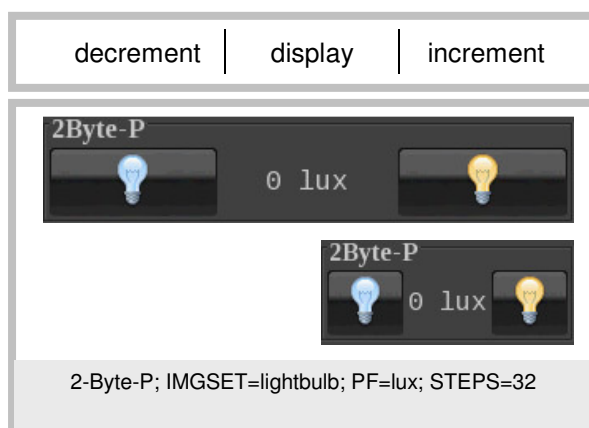
When the button is pressed, the value will be changed gradually by the value set at STEPS.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

ETS Object:		
range	-32768...32767	
Input	Feedback	2 Byte
Output	Value	2 Byte

Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive a 2-byte value. The adjustable range goes from -32768 to 32767, and can be limited using MIN and MAX. Use the right and the left side as buttons and set the icons displayed there with IMGSET. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF. The width of the center side can be influenced with W. When the button is pressed, the value will be changed gradually by the value set at STEPS. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Objekte:		
range	-32768...32767	
Input	Feedback	2 Byte
Output	Value	2 Byte

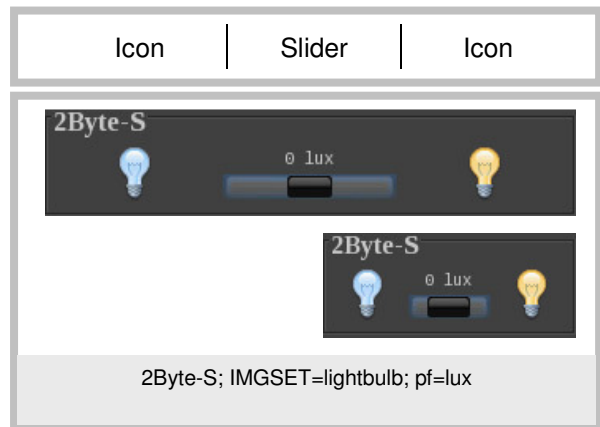
Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive a 2-byte value. The adjustable range goes from -32768 to 32767, and can be limited using MIN and MAX. On the right and the left side icons are displayed, which can be selected using IMGSET. STEPS sets, how many steps it takes to get from MIN to MAX by moving the slider. Above the slider the current value is displayed in a unit defined by PF.

The width of the center side can be influenced with W.

By pressing the icons on the left and on the right side, the value will be changed gradually by the value set at STEPS. The value can also be changed by moving the Slider.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-671 088,64 ... 670 760,96	
Input	Feedback	2 Byte
Output	Value	2 Byte

Format:	
W	Determines the width of the notification area.
B+	Text on the button to increment the value.
B-	Text on the button to decree the value.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
DC	Sets the number of decimal points.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

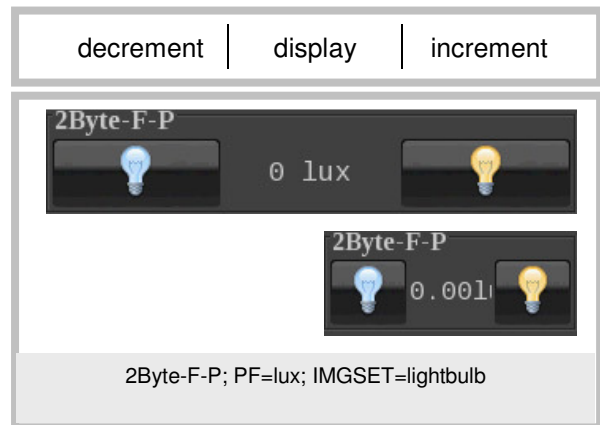
Element to set and display an 2-byte value. The 2-byte float covers a large range of values, but it can be limited using MIN and MAX. Use the right and the left side as buttons. Set the texts displayed there with B+ and B-. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF, and the number of decimal points, set by DC. The width of the center side can be influenced with W. When the button is pressed, the value will be changed gradually by the value set at STEPS. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-671 088,64 ... 670 760,96	
Input	Feedback	2 Byte
Output	Value	2 Byte

Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
DC	Sets the number of decimal points.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

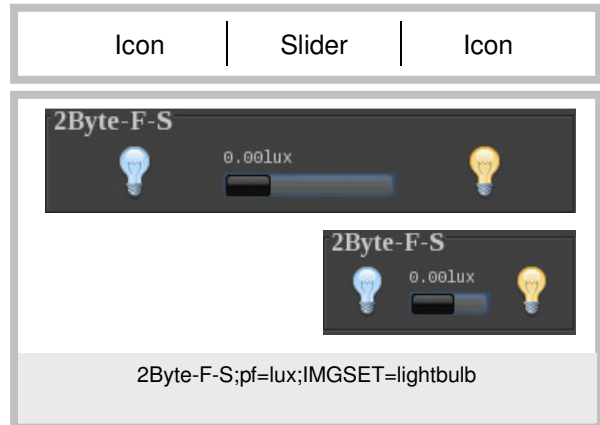
Element to send and receive an 2-byte value. The 2-byte float covers a large range of values, but it can be limited using MIN and MAX. Use the right and the left side as buttons and set the icons displayed there with IMGSET. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF, and the number of decimal points, set by DC. The width of the center side can be influenced with W. When the button is pressed, the value will be changed gradually by the value set at STEPS. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-671 088,64 ... 670 760,96	
Input	Feedback	2 Byte
Output	Value	2 Byte

Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
DC	Sets the number of decimal points.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

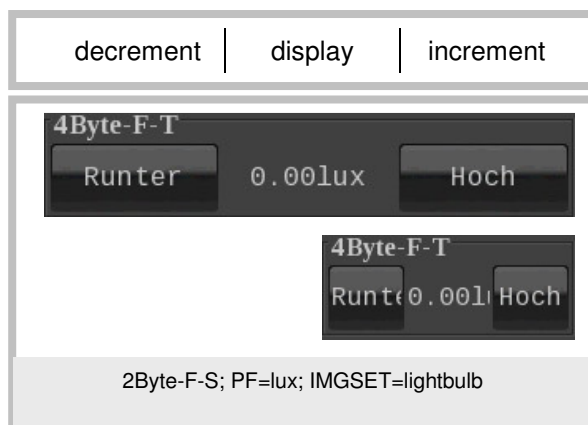
Element to send and receive an 2-byte value. The 2-byte float covers a large range of values, but it can be limited using MIN and MAX. On the right and the left side icons are displayed, which can be selected using IMGSET. STEPS sets, how many steps it takes to get from MIN to MAX by moving the slider. Above the slider the current value is displayed in a unit defined by PF, and the number of decimal points, set by DC. The width of the center side can be influenced with W. By pressing the icons on the left and on the right side, the value will be changed gradually by the value set at STEPS. The value can also be changed by moving the Slider. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	According to IEEE 754	
Input	Feedback	4 Byte
Output	Value	4 Byte

Format:	
W	Determines the width of the notification area.
B+	Text on the button to increment the value.
B-	Text on the button to decree the value.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
DC	Sets the number of decimal points.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to set and display an 4-byte value. The 4-byte float covers a very large range of values, but it can be limited using MIN and MAX. Use the right and the left side as buttons. Set the texts displayed there with B+ and B-. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF, and the number of decimal points, set by DC.
 The width of the center side can be influenced with W.
 When the button is pressed, the value will be changed gradually by the value set at STEPS.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



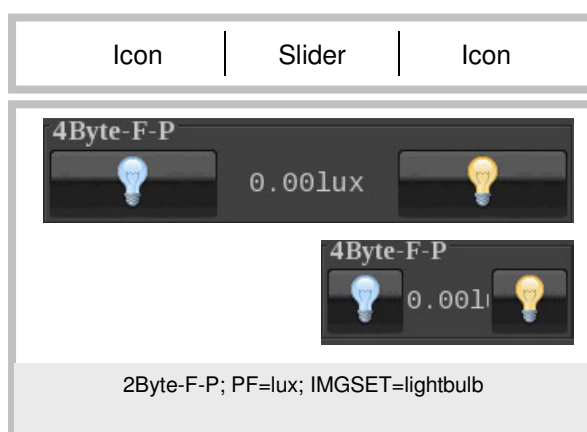
ETS Object:		
range	According to IEEE 754	
Input	Feedback	4 Byte
Output	Value	4 Byte

Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
DC	Sets the number of decimal points.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive an 4-byte value. The 4-byte float covers a very large range of values, but it can be limited using MIN and MAX. Use the right and the left side as buttons and set the icons displayed there with IMGSET. STEPS sets the number of steps it takes to get from MIN to MAX. In the center the current value is displayed with a unit defined by PF, and the number of decimal points, set by DC.

The width of the center side can be influenced with W. When the button is pressed, the value will be changed gradually by the value set at STEPS.

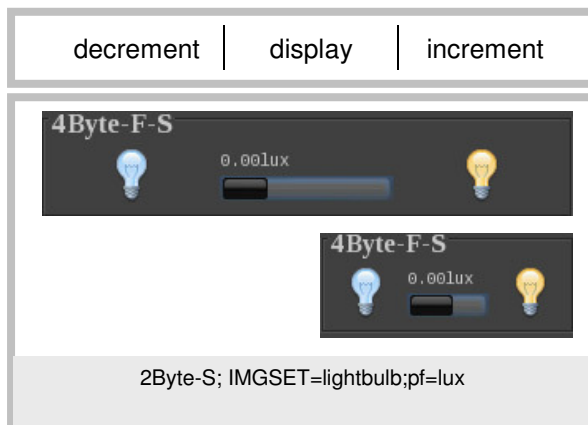
If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	According to IEEE 754	
Input	Feedback	4 Byte
Output	Value	4 Byte

Format:	
W	Determines the width of the notification area.
IMGSET	Determines the choice of used icons.
PF	Determines the unit after the measured value.
STEPS	Determines the number of steps.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
DC	Sets the number of decimal points.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
AL	Alarm lower limit / ON ALARM SIDE ONLY
AH	Alarm upper limit / ON ALARM SIDE ONLY

Element to send and receive an 4-byte value. The 4-byte float covers a very large range of values, but it can be limited using MIN and MAX. On the right and the left side icons are displayed, which can be selected using IMGSET. STEPS sets, how many steps it takes to get from MIN to MAX by moving the slider. Above the slider the current value is displayed in a unit defined by PF, and the number of decimal points, set by DC. The width of the center side can be influenced with W. By pressing the icons on the left and on the right side, the value will be changed gradually by the value set at STEPS. The value can also be changed by moving the Slider. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



Element Type:

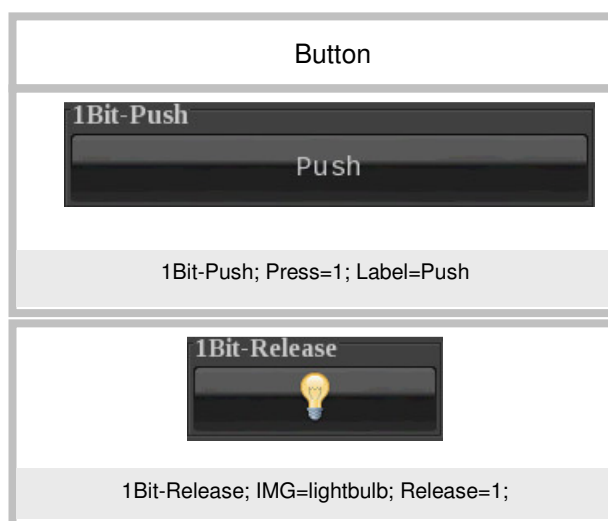
1-Bit-Value-Pushbutton

Nr. 40

ETS Objekte:		
range	0/1	
Input	-	-
Output	Value	1 bit
	Value B	1 bit

Format:	
IMG	Determines the icon in use.
PRESS	Value sent when pressing.
RELEASE	Value sent when releasing.
LABEL	Sets the button label.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

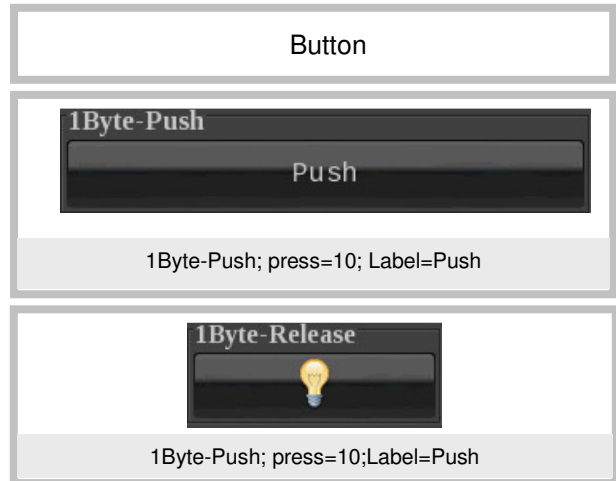
Element to send a 1 bit value 0/1. PRESS and RELEASE determine what will be sent when pressing or releasing the button. Using LABEL, you can define the text, or else an image using IMG, on the button.
If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Objekte:		
range	0...255	
Input	-	-
Output	Value	1 Byte
	Value B	1 Byte

Format:	
IMG	Determines the icon in use.
PRESS	Value sent when pressing.
RELEASE	Value sent when releasing.
LABEL	Sets the button label.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

Element to send a 1-byte value 0 to 255. PRESS and RELEASE determine what will be sent when pressing or releasing the button. Using LABEL, you can define the text, or else an image using IMG, on the button.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	0...65535	
Input	-	-
Output	Value	2 Byte
	Value B	2 Byte

Format:	
IMG	Determines the icon in use.
PRESS	Value sent when pressing.
RELEASE	Value sent when releasing.
LABEL	Sets the button label.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

Element to send a 2-byte value 0 to 65535 PRESS and RELEASE determine what will be sent when pressing or releasing the button. Using LABEL, you can define the text, or else an image using IMG, on the button. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-	
Input	-	-
Output	Value	2 Byte
	Value B	2 Byte

Format:	
IMG	Determines the icon in use.
PRESS	Value sent when pressing.
RELEASE	Value sent when releasing.
LABEL	Sets the button label.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

Element to send a 2-byte float value PRESS and RELEASE determine what will be sent when pressing or releasing the button. Using LABEL, you can define the text, or else an image using IMG, on the button.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

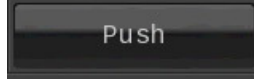
Button

2Byte-F-Release



2Byte-F-Release; IMG=lightbulb; release=384

2Byte-F-Push

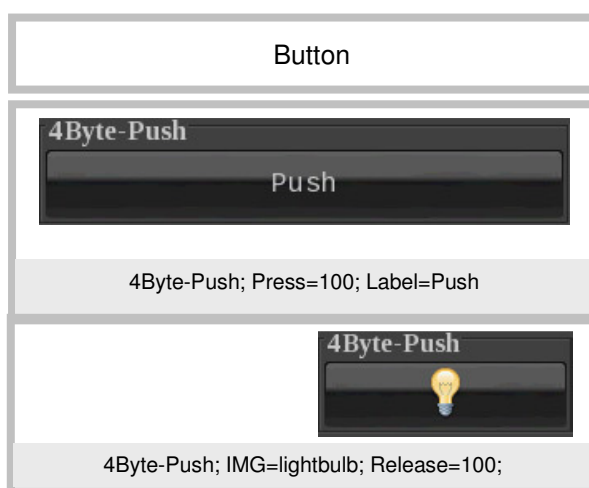


2Byte-F-Push; press=375,54;Label=Push

ETS Object:		
range	-	
Input	-	-
Output	Value	4 Byte
	Value B	4 Byte

Format:	
IMG	Determines the icon in use.
PRESS	Value sent when pressing.
RELEASE	Value sent when releasing.
LABEL	Sets the button label.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

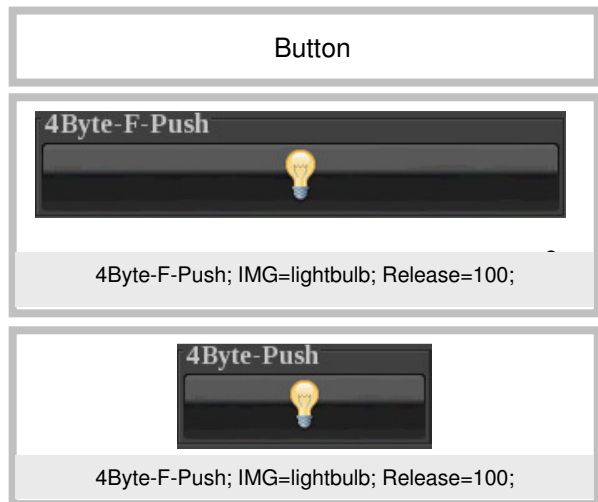
Element to send a 4-byte value PRESS and RELEASE determine what will be sent when pressing or releasing the button. Using LABEL, you can define the text, or else an image using IMG, on the button.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-	
Input	-	-
Output	Value	2 Byte
	Value B	2 Byte

Format:	
IMG	Determines the icon in use.
PRESS	Value sent when pressing.
RELEASE	Value sent when releasing.
LABEL	Sets the button label.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

Element to send a 4-byte float value PRESS and RELEASE determine what will be sent when pressing or releasing the button. Using LABEL, you can define the text, or else an image using IMG, on the button.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned..



ETS Object:		
range	-	
Input	-	-
Output	String	14 Byte

Format:	
IMG	Determines the icon in use.
PRESS	Value sent when pressing.
RELEASE	Value sent when releasing.
LABEL	Sets the button label.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

Element to send a 14-byte string PRESS and RELEASE determine what will be sent when pressing or releasing the button. Using LABEL, you can define the text, or else an image using IMG, on the button.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-	
Input	Feedback	3 Byte
Output	-	-
Input/Output	Date	3 Byte

With this element an „e.g. time-telegram“ can be displayed and set. When time is set on the Touch_IT by pressing the element surface, the new value will be sent. With the LONG format the weekday will also be displayed. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

Time

Time

00:00:00

Time

00:00:00

↑

23

↓

↑

59

↓

↑

59

↓

✖ Cancel

↩ OK

Time; LONG=0;

ETS Object:		
range	-	
Input	Feedback	3 Byte
Output		
Input/Output	Date	3 Byte

Format:	
LONG	Determines how the date is displayed. Possible settings are 0 or 1
PIN	If „Use PIN“ is selected, an individual password can be assigned.

- With this element an „e.g. time-telegram“ can be displayed and set. When date is set on the Touch_IT by pressing the element surface, the new value will be sent. With the LONG format the year will also be displayed with four digits.
- If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

Date

Date

00/00/00

Date

00/00/00

◀ January ▶ ◀ 2000 ▶

26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

✖ cancel
↩ OK

Date; LONG=0;

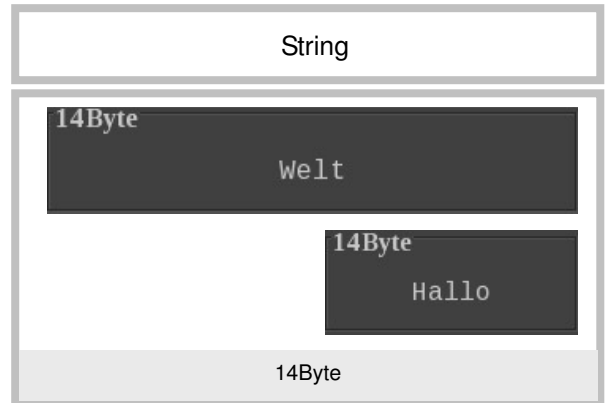
Element Type: **14-Byte-String**

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ETS Object:		
range		
Input	String	14 Byte
Output	-	-

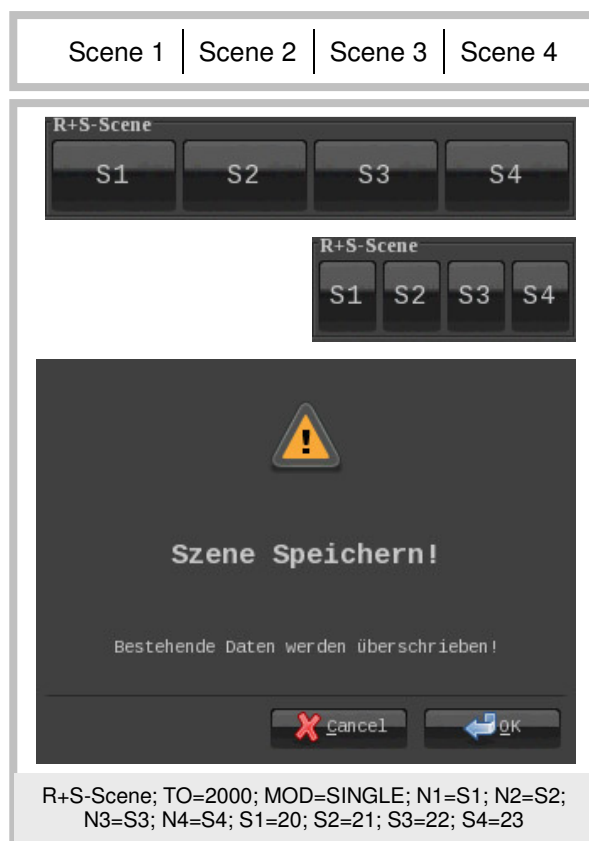
Format:	
-	-

Element to visualize a 14-byte character string.



ETS Objekte:		
range	-	
Input	-	-
Output	Scene Control 1	1 Byte
	Scene Control 2	1 Byte
	Scene Control 3	1 Byte
	Scene Control 4	1 Byte

Format:		
TO	Determines the span of time, from what point onwards pressing a button is interpreted as holding the button down. Expressed in ms.	
N	Number of scenes used (1...4).	
MOD	Determines, how the ETS objects are used:	
	SINGLE	Saving and loading is carried out only via Scene Control 1.
	DUAL	Loading is carried out via Scene Control 1 and saving via Scene Control 2.
	DIFF	All 4 Scene Control objects save and load independently.
Nx(1..4)	Determines the name on the buttons.	
Sx(1..4)	Determines, which value is sent when the associated scene button is pressed. The values range is 0-63	
PIN	If „Use PIN“ is selected, an individual password can be assigned.	
PPIN	In case „Use PIN“ is selected, an individual password can be assigned using PPIN, which protects the secondary function of this object.	



Element to save and load scenes. When saving, a value which is set to Sx will be sent to the bus. The data will not be saved on the Touch_IT. By holding the button down a scene can be saved, TO determines how long to keep it held down in order to save. The value is given in milliseconds (ms). N determines how many scene buttons are available; up to 4 are possible. MOD sets, how ETS objects are used. If SINGLE is set, saving and loading only works via Scene Control 1. When DIFF is set, all 4 ETS objects are used for saving and loading. Using the DUAL setting it is possible to use Scene Control 2 for saving and to reuse Scene Control 1 for loading.

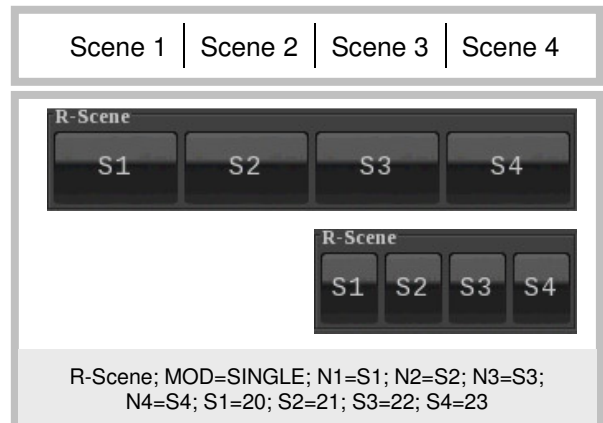
Nx determines the labels of the individual buttons. Here x stands for the respective button. Counting is carried out from left to right, from 1 up to 4.

Using Sx, the scene memory used for the respective button (again from left to right, from 1 up to 4) can be chosen freely. The range of values for Sx is from 0 to 63.

If „Use PIN“ is selected, the default master password will be used in case PIN, or PPIN is not set. Using PIN, an individual password can be assigned. If PPIN is not initialized, the master password will be used as PPIN. PPIN can also be chosen individually.

ETS Object:		
range		
Input	-	-
Output	Scene Control 1	1 Byte
	Scene Control 2	1 Byte
	Scene Control 3	1 Byte
	Scene Control 4	1 Byte

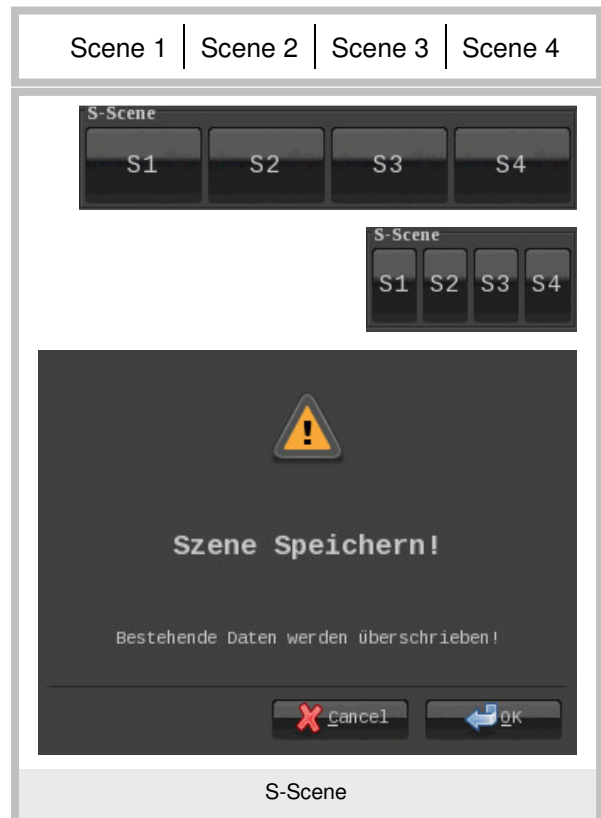
Format:		
N	Number of scenes used (1..4).	
MOD	Determines, how the ETS objects are used:	
	SINGLE	Saving and loading is carried out only via Scene Control 1.
	DIFF	All 4 Scene Control objects save and load independently.
Nx(1..4)	Determines the name on the buttons.	
Sx(1..4)	Determines, which value is sent when the associated scene button is pressed. The values range is 0-63	
PIN	If „Use PIN“ is selected, an individual password can be assigned.	



Element for loading scenes.
 N determines how many scene buttons are available. A maximum of 4 is possible.
 MOD sets how ETS objects are used.
 If SINGLE is set, loading is carried out using only Scene Control 1. If the setting is DIFF, all 4 ETS objects are used for loading.
 Nx determines the labels of the individual buttons. Here x stands for the respective button. Counting is carried out from left to right, from 1 up to 4.
 Using Sx, the scene memory used for the respective button (again from left to right, from 1 up to 4) can be chosen freely. The range of values for Sx is from 0 to 63.
 If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

ETS Object:		
range		
Input	-	-
Output	Scene Control 1	1 Byte
	Scene Control 2	1 Byte
	Scene Control 3	1 Byte
	Scene Control 4	1 Byte

Format:		
N	Number of scenes used (1...4).	
MOD	Determines, how the ETS objects are used:	
	SINGLE	Saving and loading is carried out only via Scene Control 1.
	DIFF	All 4 Scene Control objects save and load independently.
Nx	Determines the name on the buttons.	
Sx	Determines, which value is sent when the associated scene button is pressed. The values range is 0-63	
PIN	If „Use PIN“ is selected, an individual password can be assigned.	



lement for saving scenes.

N determines how many scene buttons are available. A maximum of 4 is possible.

MOD sets how ETS objects are used.

If SINGLE is set, saving is carried out using only Scene Control 1. If the setting is DIFF, all 4 ETS objects are used for loading.

Using Sx, the scene memory used for the respective button (again from left to right, from 1 up to 4) can be chosen freely. The range of values for Sx is from 0 to 63.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

Element Type: **Alarmclock**

Nr. 60



ETS Objekte:		
range	-	
Input	Alarmclock Enable	1 bit
Output	Alarmclock	1 bit

Format:				
W	Determines the width of the notification area.			
MOD	Determines, if the alarm is silent or not.			
	<table border="1"> <tr> <td>SILENT</td> <td>Silent Alarm.</td> </tr> <tr> <td>ALARM</td> <td>Alarm through beeper on the Touch_IT</td> </tr> </table>	SILENT	Silent Alarm.	ALARM
SILENT	Silent Alarm.			
ALARM	Alarm through beeper on the Touch_IT			
ALTO	Determines, how long (in seconds) the alarm is active.			
PIN	If „Use PIN“ is selected, an individual password can be assigned.			
PPIN	In case „Use PIN“ is selected, an individual password can be assigned using PPIN, which protects the secondary function of this object.			

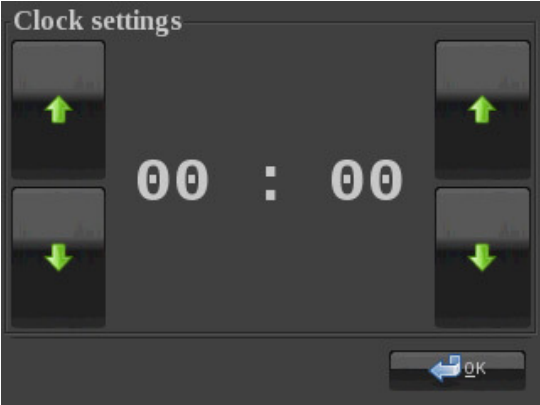
Element to trigger an alarm at a specified time. MOD determines if the Touch_IT beeps (ALARM) or displays the alarm only visually (SILENT). The alarm can be started and stopped via bus and also a 1 will be sent when the alarm is triggered. ALTO determines how long the alarm remains active after triggering.

The width of the right side can be influenced with W.

If „Use PIN“ is selected, the default master password will be used in case PIN, or PPIN is not set. Using PIN, an individual password can be assigned. If PPIN is not initialized, the master password will be used as PPIN. PPIN can also be chosen individually.

Activ	Icon	Alarm Time
<input type="checkbox"/>		13:55
<input type="checkbox"/>		00:00

Clock settings



00 : 00

OK

Time

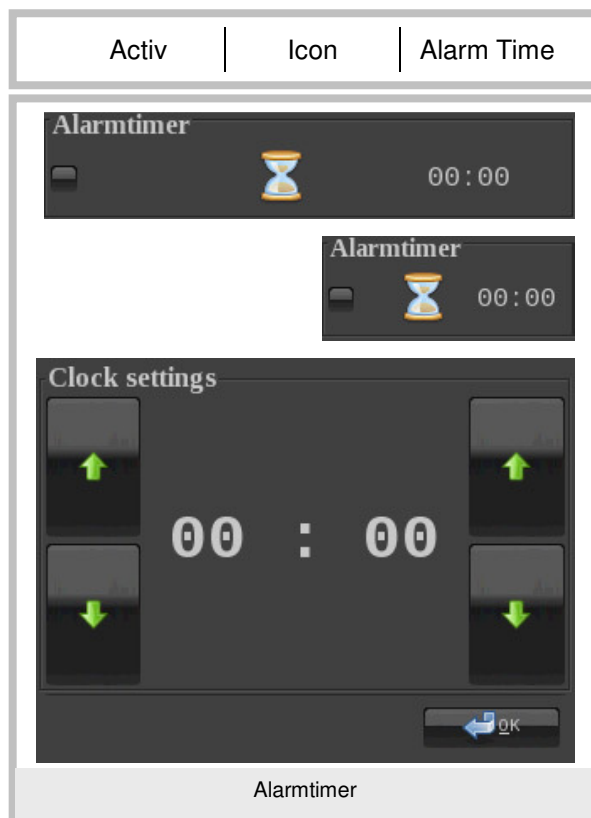
Element Type: **Alarmtimer**

Nr. 61

ETS Object:		
range		
Input	Timer Enable	1 bit
Output	Timer	1 bit

Format:		
W	Determines the width of the notification area.	
MOD	Determines, if the alarm is silent or not.	
	SILENT	Silent Alarm.
	ALARM	Alarm durch Beeper am Touch_IT
ALTO	Determines, how long (in seconds) the alarm is active.	
PIN	If „Use PIN“ is selected, an individual password can be assigned.	
PPIN	In case „Use PIN“ is selected, an individual password can be assigned using PPIN, which protects the secondary function of this object.	

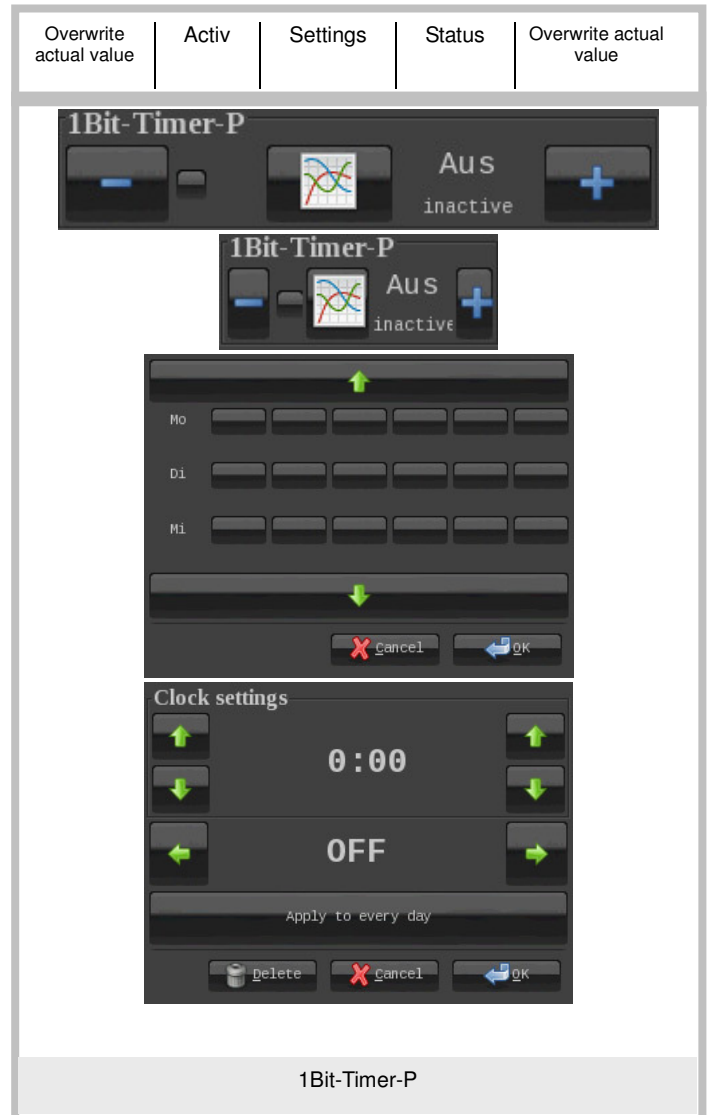
Element to trigger an alarm after a specified, adjustable period of time. MOD determines if the Touch_IT beeps (ALARM) or displays the alarm only visually (SILENT). The alarm can be started and stopped via bus and also a 1 will be sent when the alarm is triggered. ALTO determines how long the alarm remains active after triggering. The width of the right side can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN, or PPIN is not set. Using PIN, an individual password can be assigned. If PPIN is not initialized, the master password will be used as PPIN. PPIN can also be chosen individually.



ETS Object:		
range	0/1	
Input	-	-
Output	Profile	1 bit
Input/Output	Profile Enable	1 bit

Format:	
W	Determines the width of the notification area.
IMG	Determines the icon in use.
OVRTO	Determines the time (in minutes) until manual settings are overwritten.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
PPIN	In case „Use PIN“ is selected, an individual password can be assigned using PPIN, which protects the secondary function of this object.

Element to change a 1-bit ETS object at specified, adjustable points of time.
 IMG determines the image used on the options button.
 OVTRO is given in seconds and determines the span of time, after which the changes made manually by the user are overwritten by the values set in the time table.
 Pressing the options button will open a window, where the times can be set, according to which the ETS object is then controlled. It is possible to determine up to 6 times for each weekday, at which freely selectable values out of the object value range can be sent. The width of the status part can be influenced with W.
 If „Use PIN“ is selected, the default master password will be used in case PIN, or PPIN is not set. Using PIN, an individual password can be assigned. If PPIN is not initialized, the master password will be used as PPIN. PPIN can also be chosen individually.



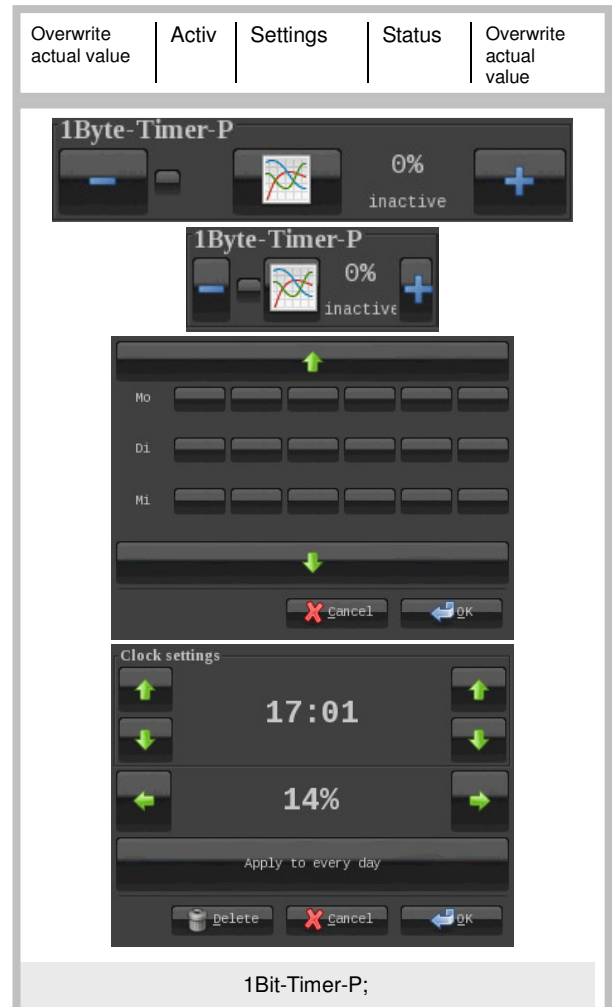
Element Type: **1-Byte-Timer-Profile 0..100%**

Nr. 63

ETS Object:		
range	0 - 255	
Input	-	-
Output	Profile	1 Byte
Input/Output	Profile Enable	1 bit

Format:	
W	Determines the width of the notification area.
IMG	Determines the icon in use.
PF	Determines the unit after the measured value.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
STEP	Determines the step width for the buttons.
OVRTO	Determines the time (in minutes) until manual settings are overwritten.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
PPIN	In case „Use PIN“ is selected, an individual password can be assigned using PPIN, which protects the secondary function of this object.

Element to change a 1-byte ETS object at specified, adjustable points of time.
 IMG determines the image used on the options button.
 PF displays the defined unit after the 1-byte value.
 OVRTO is given in seconds and determines the span of time, after which the changes made manually by the user are overwritten by the values set in the time table.
 Pressing the options button will open a window, where the times can be set, according to which the ETS object is then controlled. It is possible to determine up to 6 times for each weekday, at which freely selectable values out of the object value range can be sent.
 The width of the status part can be influenced with W.
 If „Use PIN“ is selected, the default master password will be used in case PIN, or PPIN is not set. Using PIN, an individual password can be assigned. If PPIN is not initialized, the master password will be used as PPIN. PPIN can also be chosen individually.



ETS Object:		
range	0 - 255	
Input	-	-
Output	Profile	1 Byte
Input/Output	Profile Enable	1 bit

Format:	
W	Determines the width of the notification area.
IMG	Determines the icon in use.
PF	Determines the unit after the measured value.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
STEP	Determines the step width for the buttons.
OVRTO	Determines the time (in minutes) until manual settings are overwritten.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
PPIN	In case „Use PIN“ is selected, an individual password can be assigned using PPIN, which protects the secondary function of this object.

Element to change a 1-byte ETS object at specified, adjustable points of time.
 IMG determines the image used on the options button.
 PF displays the defined unit after the 1-byte value.
 OVRTO is given in seconds and determines the span of time, after which the changes made manually by the user are overwritten by the values set in the time table.
 Pressing the options button will open a window, where the times can be set, according to which the ETS object is then controlled. It is possible to determine up to 6 times for each weekday, at which freely selectable values out of the object value range can be sent. The width of the status part can be influenced with W.
 If „Use PIN“ is selected, the default master password will be used in case PIN, or PPIN is not set. Using PIN, an individual password can be assigned. If PPIN is not initialized, the master password will be used as PPIN. PPIN can also be chosen individually.



ETS Object:		
range	-	
Input	-	-
Output	Profile	1 Byte
Input/Output	Profile Enable	1 bit

Format:	
W	Determines the width of the notification area.
IMG	Determines the icon in use.
OVRTO	Determines the time (in minutes) until manual settings are overwritten.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
PPIN	In case „Use PIN“ is selected, an individual password can be assigned using PPIN, which protects the secondary function of this object.

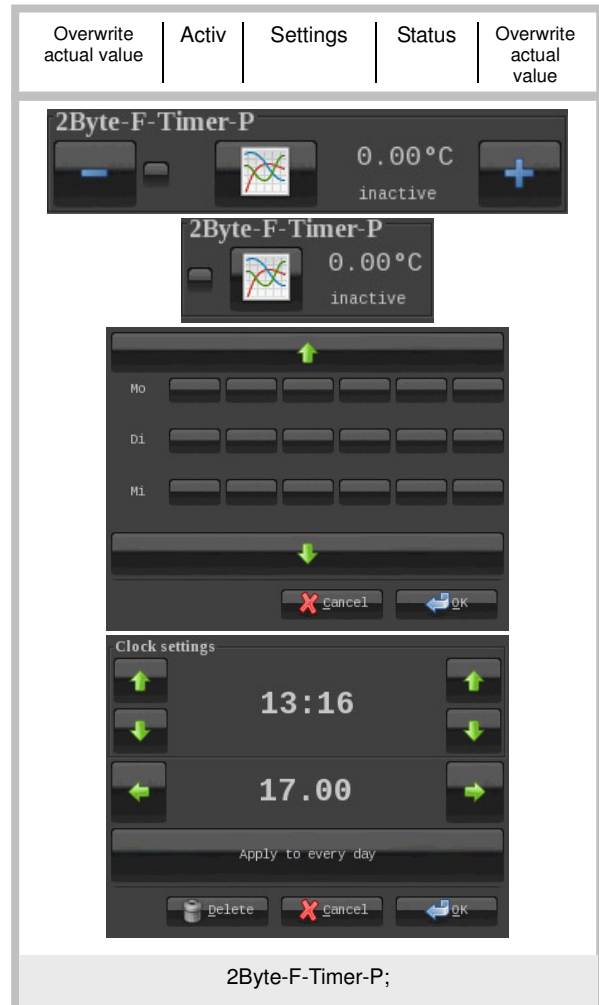
Element to change a 1-byte ETS object at specified, adjustable points of time.
 IMG determines the image used on the options button.
 OVRTO is given in seconds and determines the span of time, after which the changes made manually by the user are overwritten by the values set in the time table.
 Pressing the options button will open a window, where the times can be set, according to which the ETS object is then controlled. It is possible to determine up to 6 times for each weekday, at which freely selectable values out of the object value range can be sent.
 The width of the status part can be influenced with W.
 If „Use PIN“ is selected, the default master password will be used in case PIN, or PPIN is not set. Using PIN, an individual password can be assigned. If PPIN is not initialized, the master password will be used as PPIN. PPIN can also be chosen individually.



ETS Object:		
range	-	
Input	-	-
Output	Profile	2 Byte
Input/Output	Profile Enable	1 bit

Format:	
W	Determines the width of the notification area.
IMG	Determines the icon in use.
PF	Determines the unit after the measured value.
MIN	Sets the lower limit, which can be set.
MAX	Sets the upper limit, which can be set.
STEP	Determines the step width for the buttons.
OVRTO	Determines the time (in minutes) until manual settings are overwritten.
PIN	If „Use PIN“ is selected, an individual password can be assigned.
PPIN	In case „Use PIN“ is selected, an individual password can be assigned using PPIN, which protects the secondary function of this object.

Element to change a 2-byte float ETS object at specified, adjustable points of time.
 IMG determines the image used on the options button.
 PF displays the defined unit after the 2-byte float value.
 OVRTO is given in seconds and determines the span of time, after which the changes made manually by the user are overwritten by the values set in the time table.
 Pressing the options button will open a window, where the times can be set, according to which the ETS object is then controlled. It is possible to determine up to 6 times for each weekday, at which freely selectable values out of the object value range can be sent. The width of the status part can be influenced with W.



ETS Object:		
range	-	
Input	ON/OFF Feedback	1 bit
	Value Feedback	1 Byte
Output	ON/OFF	1 bit
	Dimming	4 bit

Format:	
W	Determines the width of the notification area.
B-	Text on the button to decree the value.
B+	Text auf Button, um 1 zu senden.
STEP	Determines the step width for the buttons.
TO	Legt fest, ab wann ein Buttondruck als Long interpretiert wird. Angabe in ms.
IMGSET	Determines the choice of used icons.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

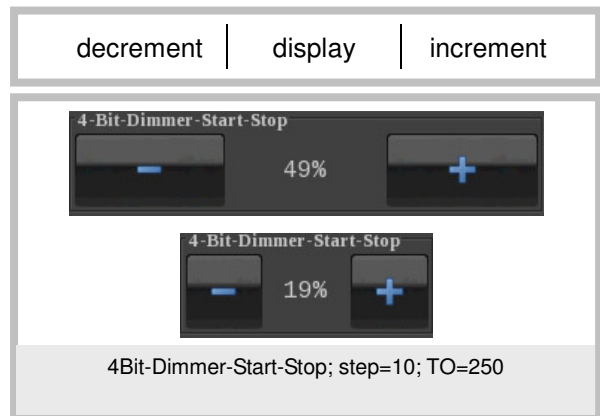
This is a 4-bit dimmer element that sends a dimming command when the button is pressed and a stop command when it is released. Using STEP determines the percentage of the dimming. By briefly pressing the button, a 1-bit on/off command is sent and by holding it down, a 4-bit dimming command is sent.

Using TO it is possible to determine from what point onwards pressing the button is interpreted as holding the button down.

W sets the width of the display. IMGSET sets the ICONS used, if there are no specified labels for B- and B+.

The width of the center side can be influenced with W.

If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-	
Input	ON/OFF Feedback	1 bit
	Value Feedback	1 Byte
Output	ON/OFF	1 bit
	Dimming	4 bit

Format:	
W	Determines the width of the notification area.
B-	Text on the button to decree the value.
B+	Text on the button to increment the value.
STEP	Determines the step width for the buttons.
REP	Determines the interval, in which values are sent to the bus (in ms).
TO	Legt fest, ab wann ein Buttondruck als Long interpretiert wird. Angabe in ms.
IMGSET	Determines the choice of used icons.
PIN	If „Use PIN“ is selected, an individual password can be assigned.



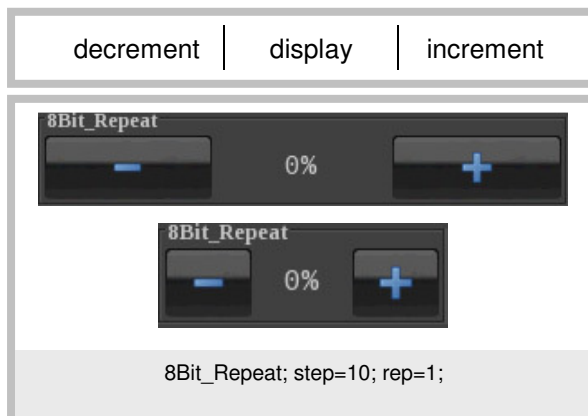
This is a 4-bit dimmer element, that repeatedly keeps sending a dimming command when the button is pressed, until a stop command is sent when releasing the button. Using STEP the percentage of dimming per telegram can be set. REP sets the repetition rate, by which the telegrams are sent. By briefly pressing the button, a 1-bit on/off command is sent, by holding it down, a 4-bit dimming command is sent. Using TO it is possible to determine from what point onwards pressing the button is interpreted as holding the button down. W sets the width of the display. IMGSET sets the ICONS used, if there are no specified labels for B- and B+.

The width of the center side can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

ETS Object:		
range	-	
Input	ON/OFF Feedback	1 bit
	Value Feedback	1 Byte
Output	ON/OFF	1 bit
	Dimming	1 Byte

Format:	
W	Determines the width of the notification area.
B-	Text on the button to decree the value.
B+	Text on the button to increment the value.
STEP	Determines the step width for the buttons.
REP	Determines the interval, in which values are sent to the bus (in ms).
TO	Determines the span of time, from what point onwards pressing a button is interpreted as holding the button down. Expressed in ms.
IMGSET	Determines the choice of used icons.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

This is an 8-bit dimmer element, that repeatedly keeps sending a dimming command when the button is pressed, until a stop command is sent when releasing the button. Using STEP the percentage of dimming per telegram can be set. REP sets the repetition rate, by which the telegrams are sent. By briefly pressing the button, a 1-bit on/off command is sent, by holding it down, an 8-bit dimming command is sent. Using TO it is possible to determine from what point onwards pressing the button is interpreted as holding the button down. W sets the width of the display. IMGSET sets the ICONS used, if there are no specified labels for B- and B+. The width of the center side can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



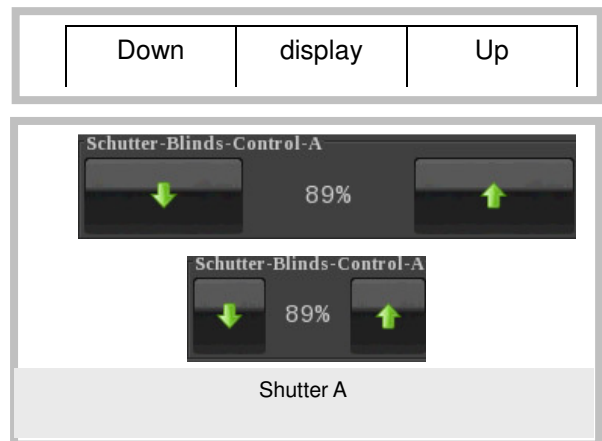
ETS Object:		
range	-	
Input	Position Feedback	1 Byte
Output	LONG	1 bit
	SHORT	1 bit

Format:	
W	Determines the width of the notification area.
B-	Text on the button to decrease the value.
B+	Text on the button to increment the value.
TO	Determines the span of time, from what point onwards pressing a button is interpreted as holding the button down. Expressed in ms.
IMGSET	Determines the choice of used icons.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

This is an element to control shutters and sun blinds. To this end, short-term (STEP) and long-term (MOVE) objects are used. Pressing it briefly sends a telegram to a short-term (STEP) object, holding it down sends it to a long-term (MOVE) object. The span of time from which onwards a long-term command is sent can be set using "TO" (default: 500 ms). The position of the shutters/sun blinds can be displayed as a feedback. Elements 74 and 75 are comparable. Which one is to be used, depends on the type of shutter/sun blind in use.

The width of the center side can be influenced with W.

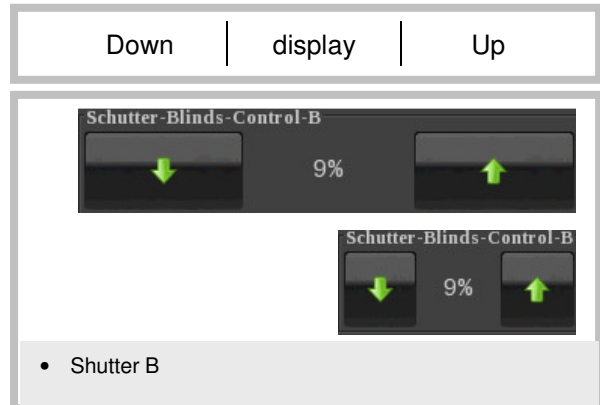
If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-	
Input	Position Feedback	1 Byte
Output	LONG	1 bit
	SHORT	1 bit

Format:	
W	Determines the width of the notification area.
B-	Text on the button to decree the value.
B+	Text on the button to increment the value.
REP	Determines the interval, in which values are sent to the bus (in ms).
TO	Determines the span of time, from what point onwards pressing a button is interpreted as holding the button down. Expressed in ms.
IMGSET	Determines the choice of used icons.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

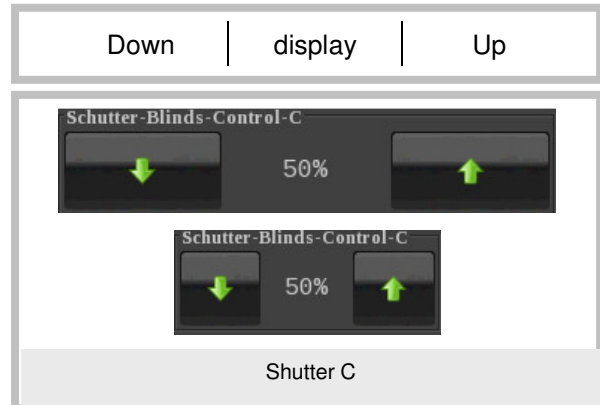
This element works in a similar way as element 73. When pressed, however, an initial short-term (STEP) command is sent in order to stop current shutter operations. When releasing the element, either nothing is sent or when holding it down (longer than "TO"), a long-term (MOVE) command is sent. Further short-term (STEP) commands can be sent in the "REP" interval, if "REP" is set to a value smaller than "TO". The width of the center side can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-	
Input	Position Feedback	1 Byte
Output	LONG	1 bit
	SHORT	1 bit

Format:	
W	Determines the width of the notification area.
B-	Text on the button to decree the value.
B+	Text on the button to increment the value.
TO	Determines the span of time, from what point onwards pressing a button is interpreted as holding the button down. Expressed in ms.
IMGSET	Determines the choice of used icons.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

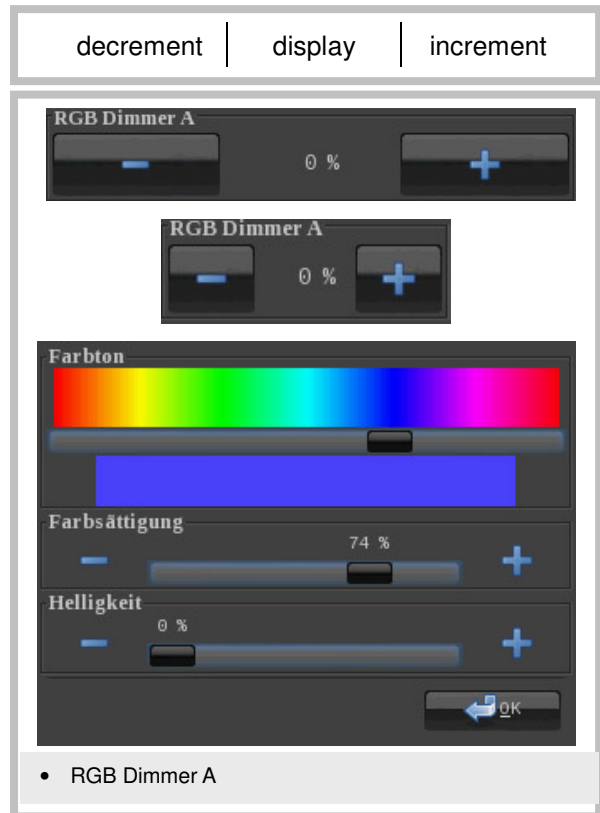
This element works in a similar way as element 73. When pressed, however, an initial long-term (MOVE) command is sent. When releasing the element, a short-term (STEP) command is sent, if hold time longer then the time set in TO ther is nothing sent. The width of the center side can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range		
Input	-	-
Output	Blue	1 Byte
	Green	1 Byte
	Red	1 Byte

Format:	
W	Determines the width of the notification area.
STEPS	Determines the number of steps.
IMGSET	Determines the choice of used icons.
B-	Text on the button to decree the value.
B+	Text on the button to increment the value.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

Elements to dim or set three 1-byte values. STEPS sets the number of steps and IMGSET sets the icons used, if there are no button labels specified by means of B- and B+. The color value can be set by pressing the display. Pressing the display surface opens the menu where color, saturation, and brightness can be freely adjusted. Briefly pressing the buttons switches the object on or off. The width of the center side can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



- RGB Dimmer A

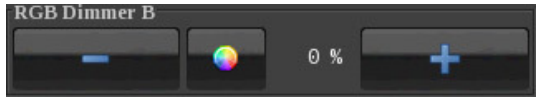
ETS Object:		
range	-	
Input	-	-
Output	Blue	1 Byte
	Green	1 Byte
	Red	1 Byte

Format:	
W	Determines the width of the notification area.
STEPS	Determines the number of steps.
IMGSET	Determines the choice of used icons.
B-	Text on the button to decree the value.
B+	Text on the button to increment the value.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

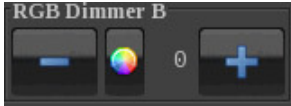
Elements to dim or set three 1-byte values. STEPS sets the number of steps and IMGSET sets the icons used, if there are no button labels specified by means of B- and B+. The color value can be set by pressing the color display. Briefly pressing the buttons switches the object on or off. Pressing the settings area opens the menu where color, saturation, and brightness can be freely adjusted. The width of the center side can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

decrement
settings
display
increment


RGB Dimmer B



RGB Dimmer B

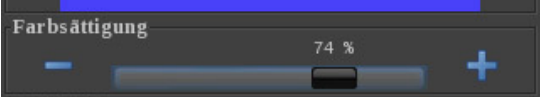


Farbton



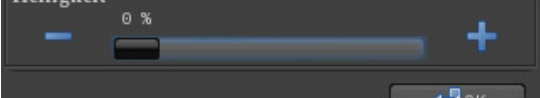
Farbsättigung

74 %



Helligkeit

0 %



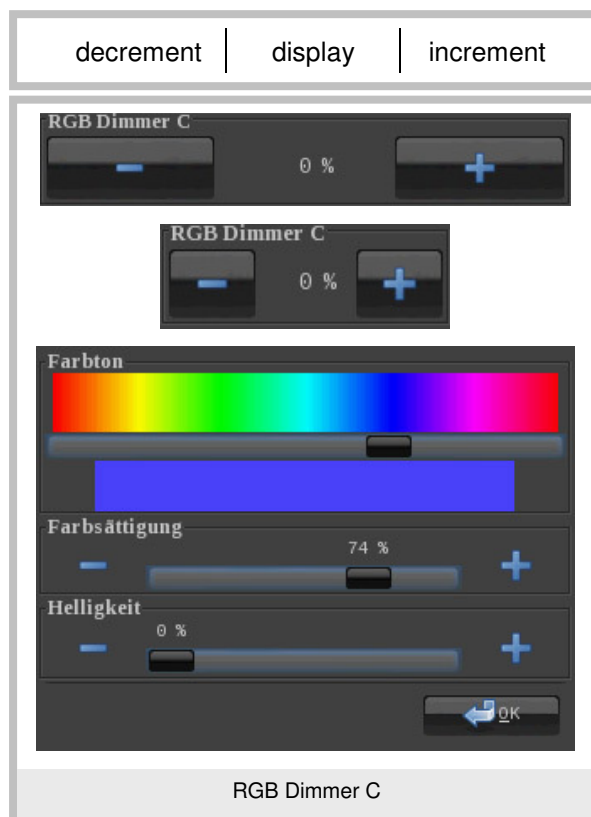
← OK

- RGB Dimmer B

ETS Object:		
range		
Input	-	-
Output	Blue	1 Byte
	Green	1 Byte
	Red	1 Byte

Format:	
W	Determines the width of the notification area.
STEPS	Determines the number of steps.
IMGSET	Determines the choice of used icons.
B-	Text on the button to decree the value.
B+	Text on the button to increment the value.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

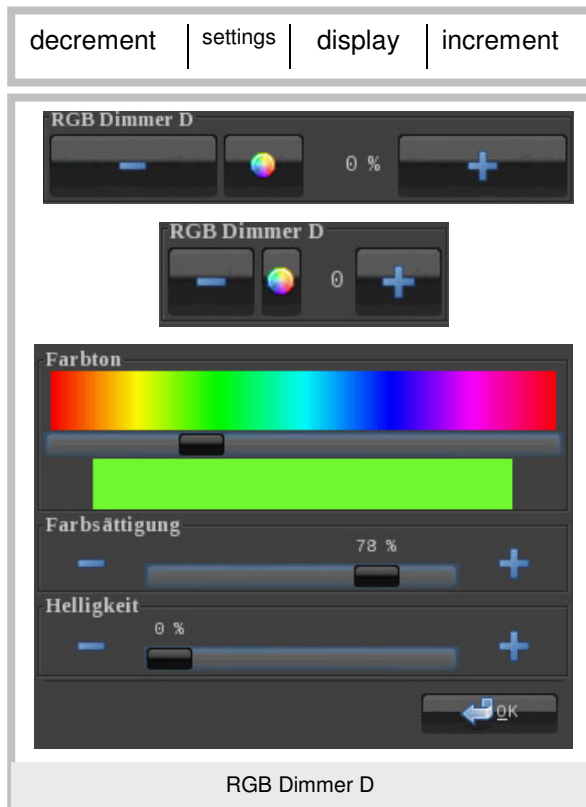
Elements to dim or set three 1-byte values. STEPS sets the number of steps and IMGSET sets the icons used, if there are no button labels specified by means of B- and B+. The color value can be set by pressing the display. Pressing the display surface opens the menu where color, saturation, and brightness can be freely adjusted. Briefly pressing the buttons switches the object on or off. In contrast to element 77, briefly pressing the button does not mean switching from 0 to 100%. The width of the center side can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-	
Input	-	-
Output	Blue	1 Byte
	Green	1 Byte
	Red	1 Byte

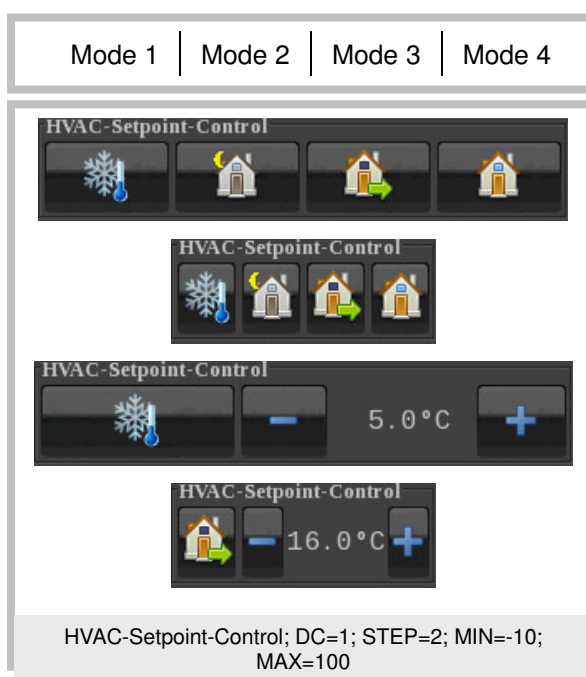
Format:	
W	Determines the width of the notification area.
STEPS	Determines the number of steps.
IMGSET	Determines the choice of used icons.
B-	Text on the button to decree the value.
B+	Text on the button to increment the value.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

Elements to dim or set three 1-bit values. STEPS sets the number of steps and IMGSET sets the icons used, if there are no button labels specified by means of B- and B+. The color value can be set by pressing the color display. Briefly pressing the buttons switches the object on or off. Pressing the settings area opens the menu where color, saturation, and brightness can be freely adjusted. In contrast to element 77, briefly pressing the button does not mean switching from 0 to 100%. The width of the center side can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Objekte:		
range	-	
Input	-	-
Output	Protection Setpoint	2 Byte
	Night Setpoint	2 Byte
	Standby Setpoint	2 Byte
	Comfort Setpoint	2 Byte

Format:	
W	Determines the width of the notification area.
TO	Determines the span of time, from what point onwards pressing a button is interpreted as holding the button down. Expressed in ms.
DC	Sets the number of decimal points.v
STEP	Determines the step width for the buttons
T	Using this, initialization values for the temperatures can be set. T=T1:T2:T3:T4
MIN	Determines the lower limits for customizable temperatures. MIN=MIN1: MIN2: MIN3: MIN4
MAX	Determines the upper limits for customizable temperatures MAX=MAX1: MAX2: MAX3: MAX4
PIN	If „Use PIN“ is selected, an individual password can be assigned.

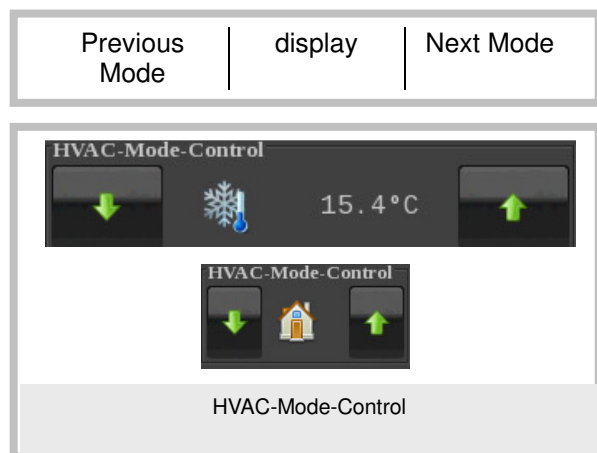


Using this element it is possible to determine four 2-byte temperatures. When the temperatures are set and you have returned to the element "main menu", the value will be sent. TO sets, after how much time, expressed in seconds, an automatic return to the element "main menu" is performed. DC sets, how many decimal points are displayed, and STEP determines the step width, by which the values are changed when the button is pressed. T determines the initialization values for the set temperatures. Using MIN and MAX, a minimum and a maximum can be determined for all values. T, MIN, and MAX are to be set as follows: T=T1(frost protection):T2(night-time reduction):T3(standby):T4(convenience). (e.g. T=5:17:20:25)
The width of the readings can be influenced with W.
If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.

ETS Object:		
range	-	
Input	-	-
Output	HVAC-Mode	1 Byte
	Temperature Feedback	2 Byte

Format:	
W	Determines the width of the notification area.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

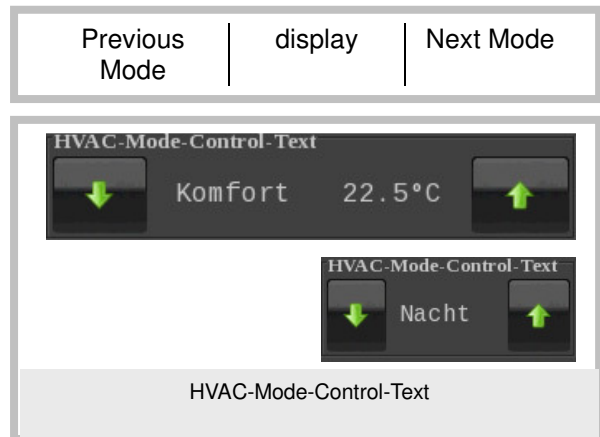
With this element the 5 different states can be set via icons. Select settings for: automatic, frost protection, night-time reduction, stand-by and convenience mode. At this, an HAC mode 1-bit object is placed, additionally it is possible to display a temperature. The width of the readings can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



ETS Object:		
range	-	
Input	-	-
Output	HVAC-Mode	1 Byte
	Temperature Feedback	2 Byte

Format:	
W	Determines the width of the notification area.
PIN	If „Use PIN“ is selected, an individual password can be assigned.

With this element the 5 different states can be set via text. Select settings for: automatic, frost protection, night-time reduction, stand-by and convenience mode. At this, an HAC mode 1-bit object is placed, additionally it is possible to display a temperature. The width of the readings can be influenced with W. If „Use PIN“ is selected, the default master password will be used in case PIN is not set. Using PIN, an individual password can be assigned.



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