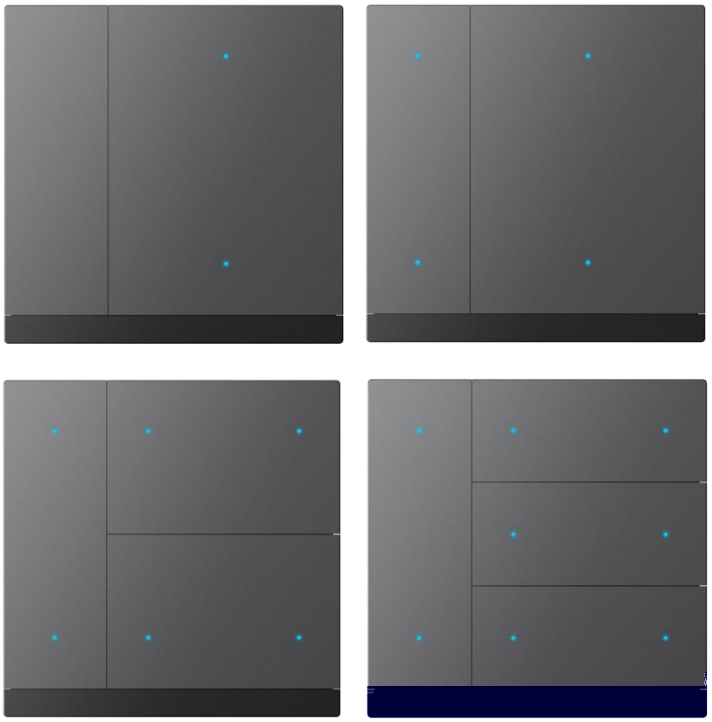
K-BUS



注意事项

3、不要使用湿布或具挥发性的试剂擦拭设备；

4、请勿自行拆卸本设备。

4/6/8 ! ! / ! ! ! ! !

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5.7 k

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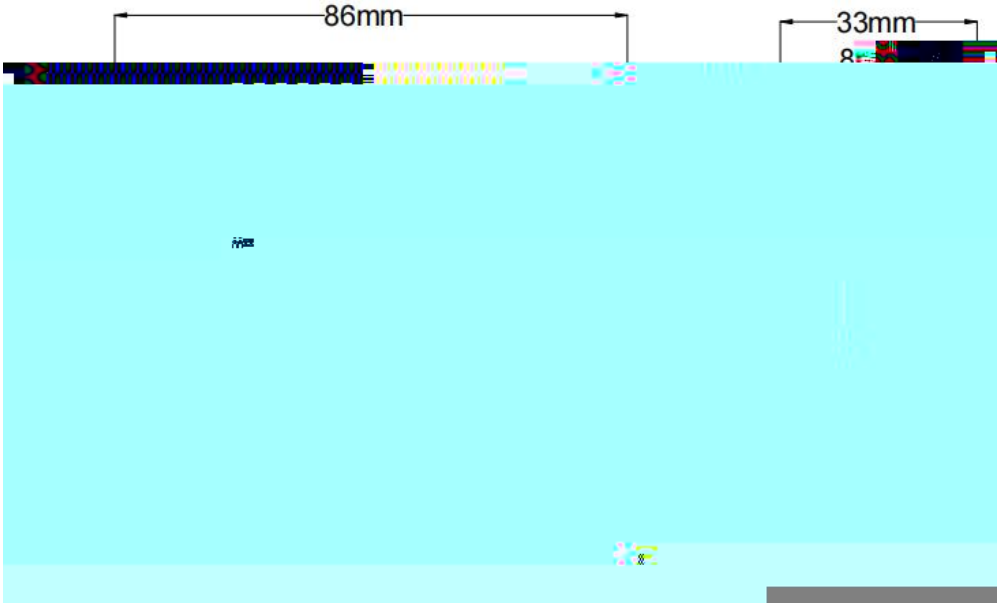
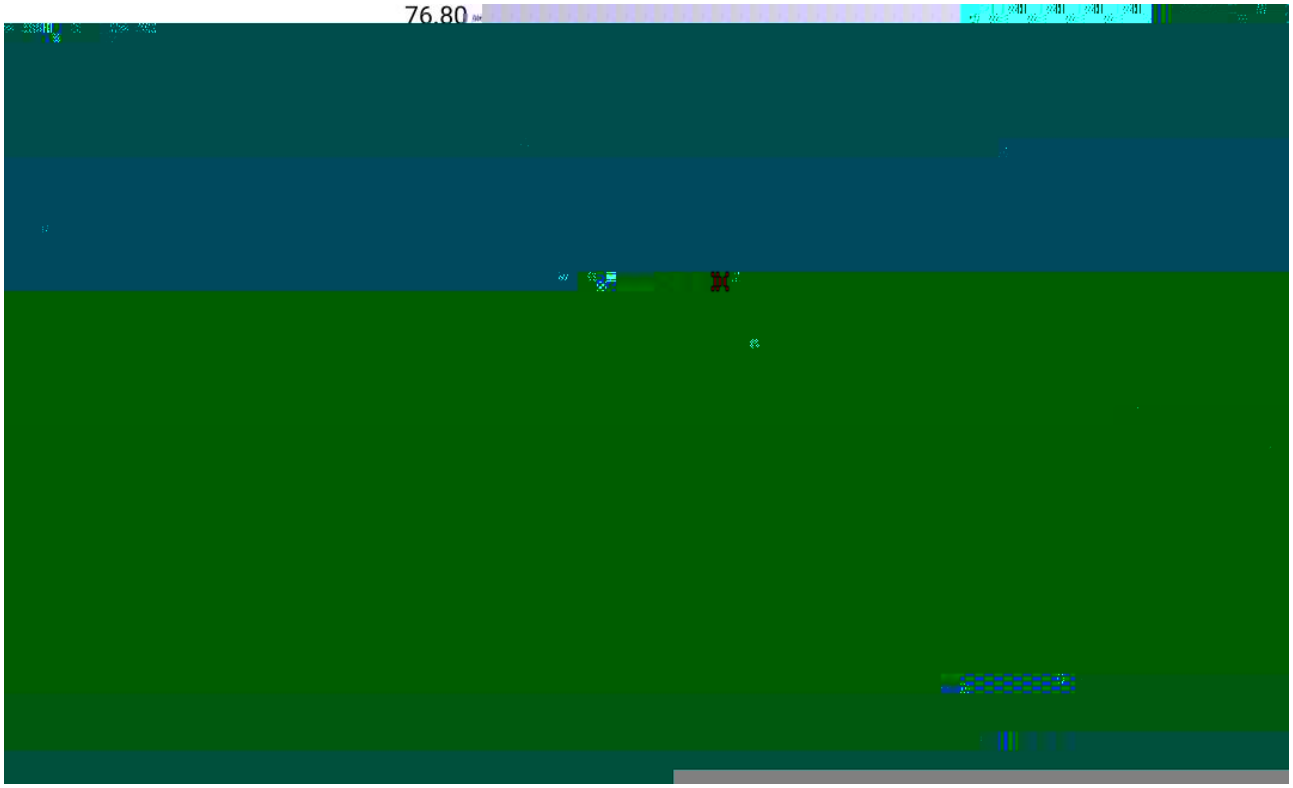
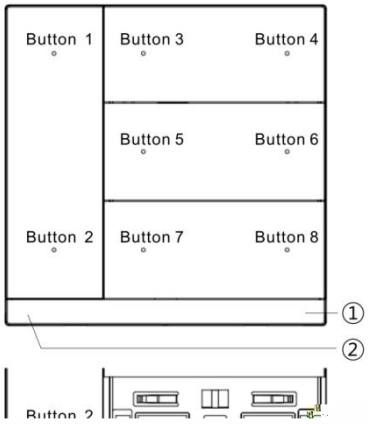
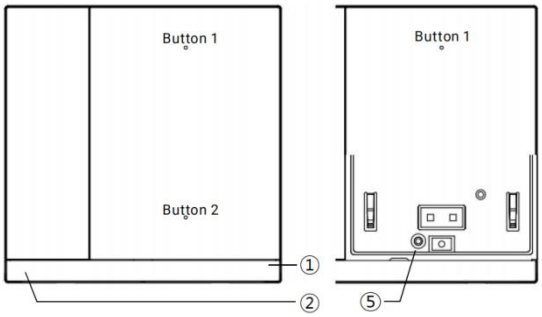
21-30 ,
18.4 /24 14. /30 (8) 15.1 /24 12.2 /30 (6) 12.2 /24 10.0 /30 (4) 10.0 /24 8.0 /30 (2) 447.0 (8) 366.0 (6) 300.0 (4) 240.0 (2)
2 10
(/)
0.2-1.5 ^{2} 0.2-2.5 ^{2} 0.4 - 5
5 ... 45
25 ... 55 25 ... 70
3%
86 86 33
0.0

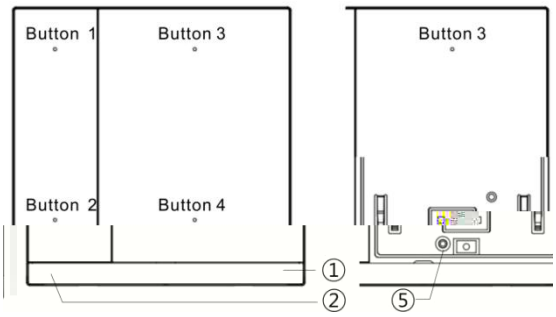
2/4/6/8 8 k

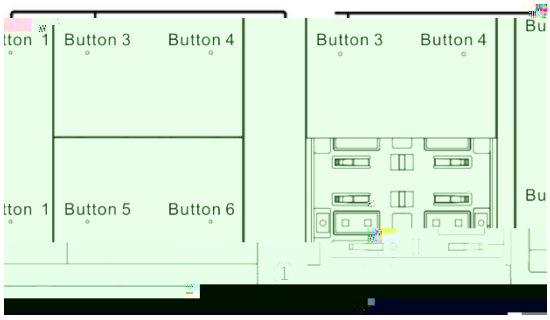





Button 1
Button 3
Button 4
Button 5
Button 6
Button 2
Button 7
Button 8
①
②


Button 1
Button 2
①
②
Button 1
⑤


Button 1
Button 3
Button 2
Button 4
①
②
Button 3
⑤


Button 3
Button 4
Button 5
Button 6
Button 3
Button 4

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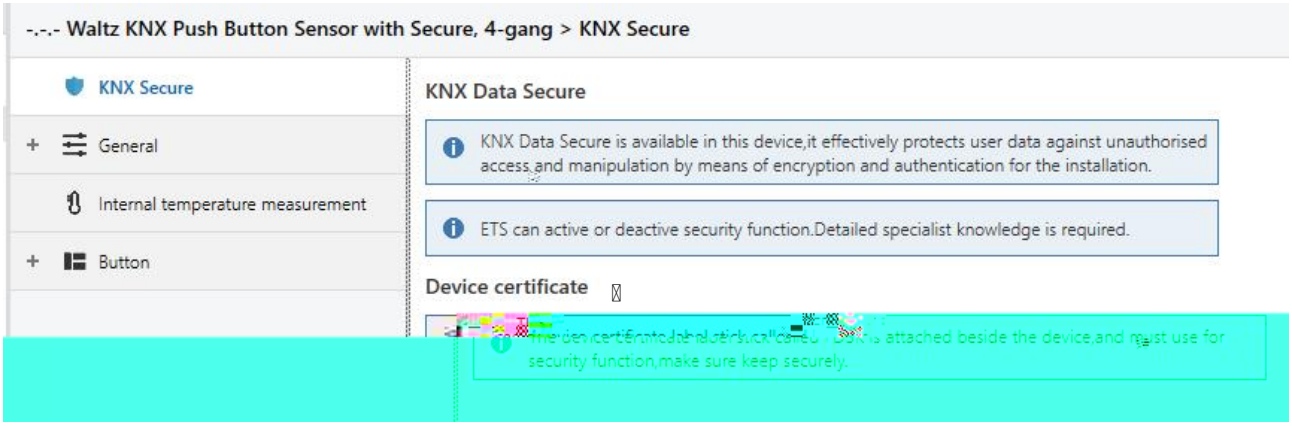
1 /1 /2 k

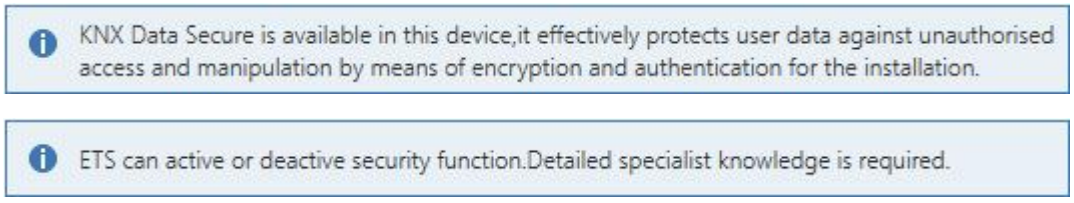
4/6/8 k

k

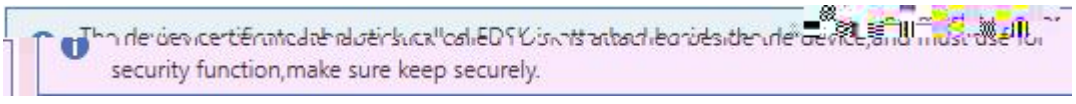


5.1 (1)

5.1(1)



k k k



k

❖ k

k

❖ k

✧ 5.1 (2) k

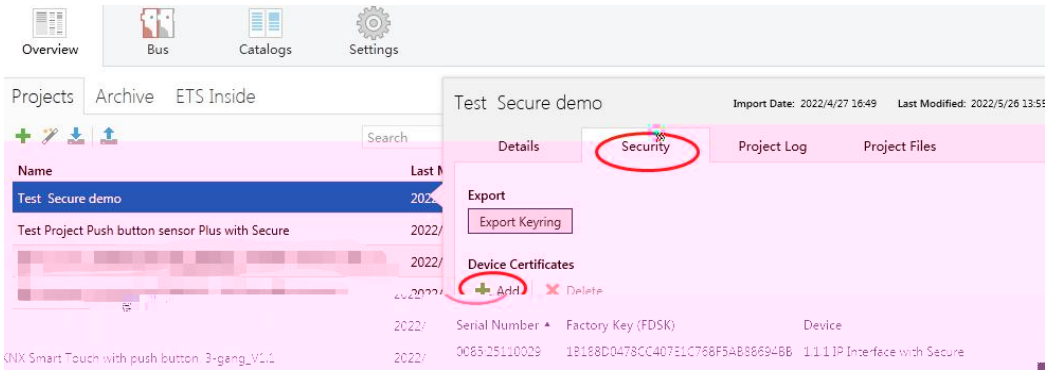
k

5.1(2)

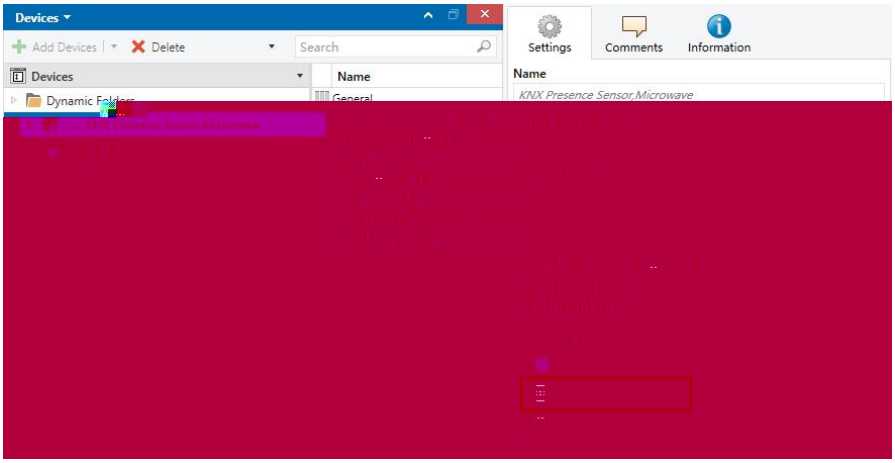
✧ k

5.1(3) k

5.1(4) k



5.1(3)



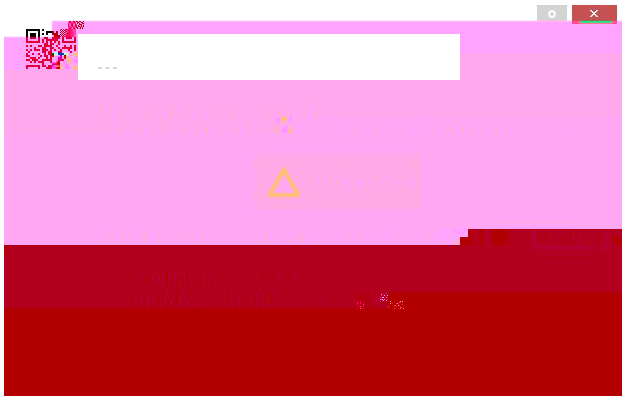
5.1(4)

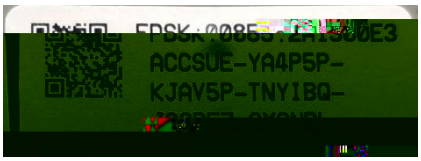
✧ k

k

5.1(5) k

k



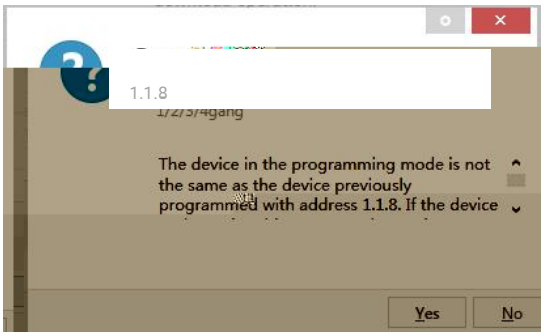


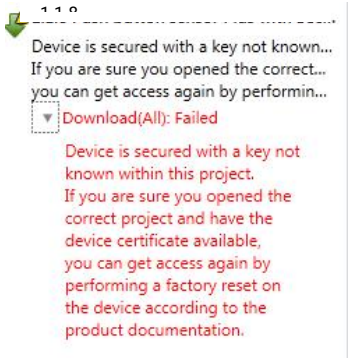
5.1(5)

k

5.1(6)

5.1(6) k

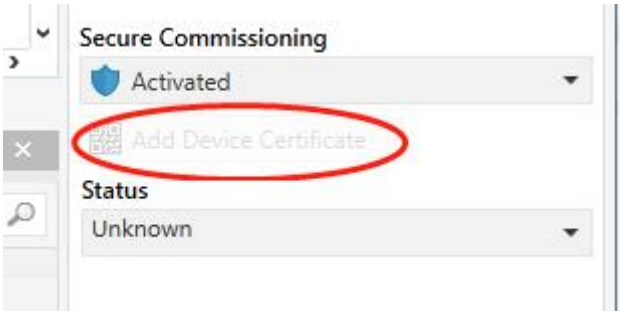




5.1(6)

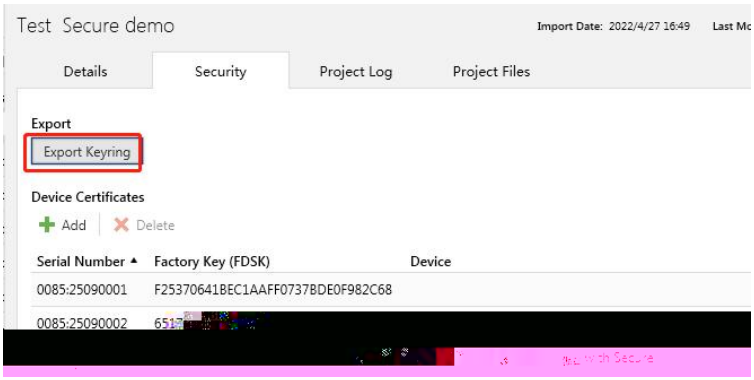
k

k



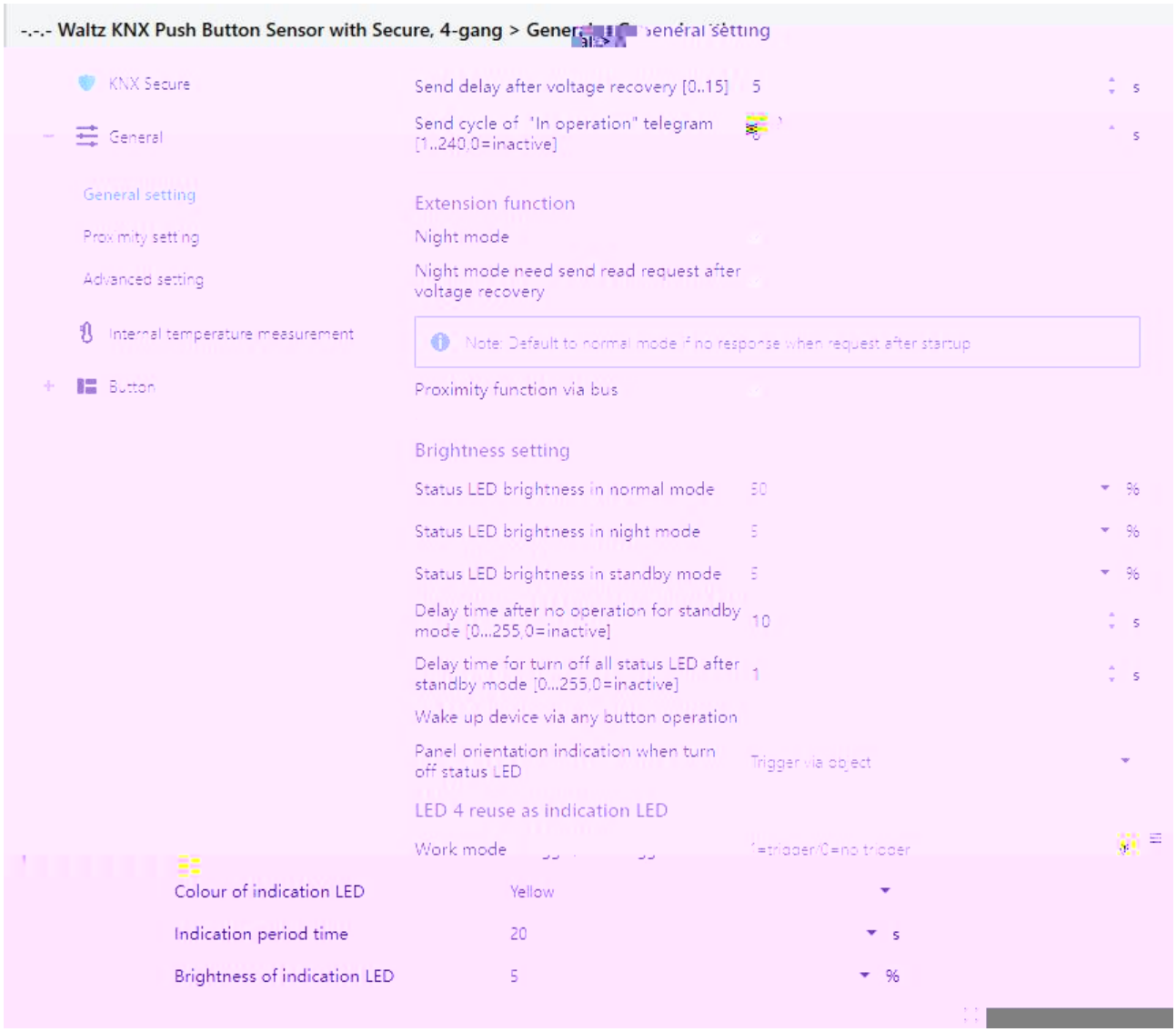
4.1(7)

5.1(8) . k


Test Secure demo
Import Date: 2022/4/27 16:49
Details
Security
Project Log
Project Files
Export
Export Keyring
Device Certificates
Add
Delete
Serial Number
Factory Key (FDSK)
Device
0085:25090001
F25370641BEC1AAFF0737BDE0F982C68
0085:25090002

5.1(8)

k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > General setting
KNX Secure
General
General setting
Proximity setting
Advanced setting
Internal temperature measurement
Button
Send delay after voltage recovery [0..15] 5 s
Send cycle of "In operation" telegram [1..240,0=inactive] s
Extension function
Night mode
Night mode need send read request after voltage recovery
Note: Default to normal mode if no response when request after startup
Proximity function via bus
Brightness setting
Status LED brightness in normal mode 50 %
Status LED brightness in night mode 5 %
Status LED brightness in standby mode 5 %
Delay time after no operation for standby mode [0...255,0=inactive] 10 s
Delay time for turn off all status LED after standby mode [0...255,0=inactive] 1 s
Wake up device via any button operation
Panel orientation indication when turn off status LED Trigger via object
LED 4 reuse as indication LED
Work mode
Colour of indication LED Yellow
Indication period time 20 s
Brightness of indication LED 5 %

5.2.1

k 0

k 0 1

k

k

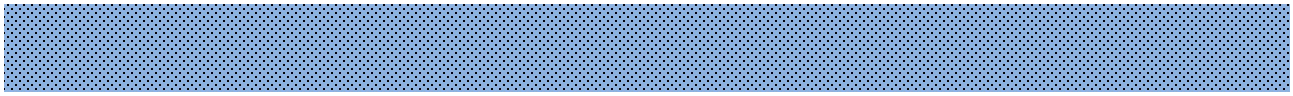
k

/ k

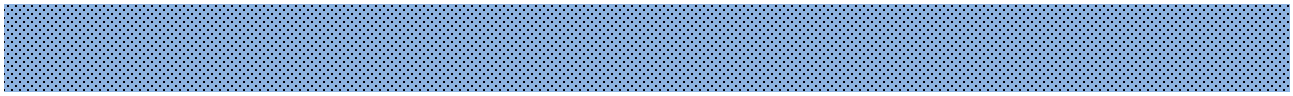
k k

k

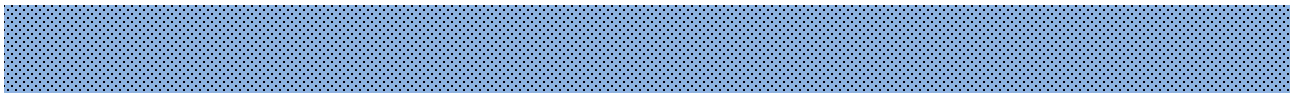
k



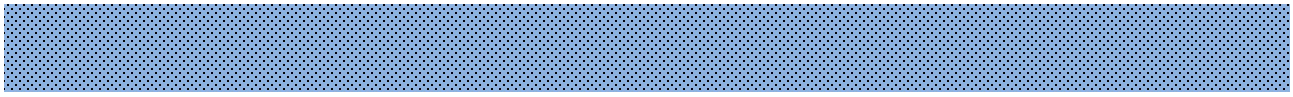
k k



0 k k



0 k



0 k

k 0 k

0 k k

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k

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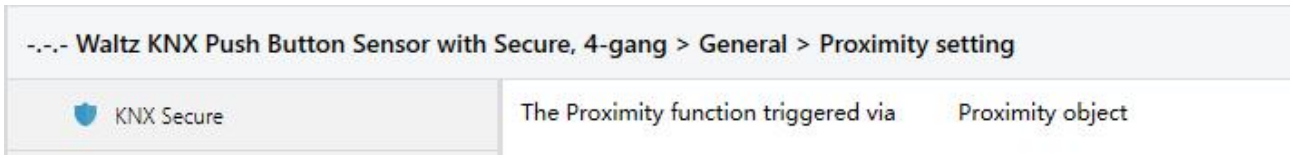
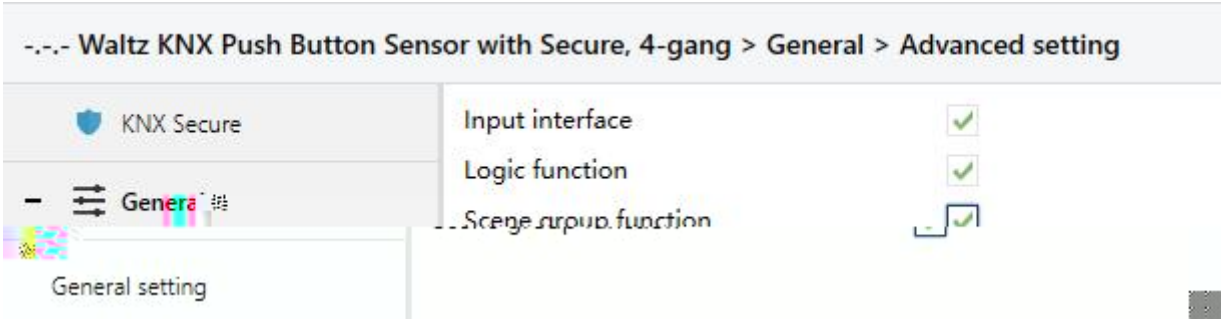


5.2.2

k

k



5.2.3

k

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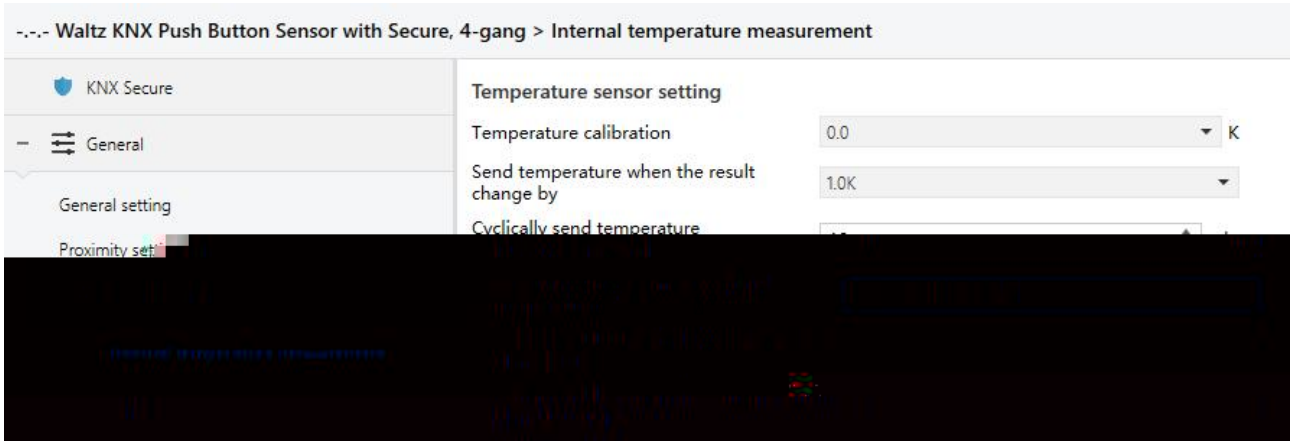
k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Internal temperature measurement
KNX Secure
General
General setting
Temperature sensor setting
Temperature calibration
0.0
K
Send temperature when the result change by
1.0K
Cyclically send temperature

5.3

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k

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k 0 k

k

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k k

k k

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k k

5.4

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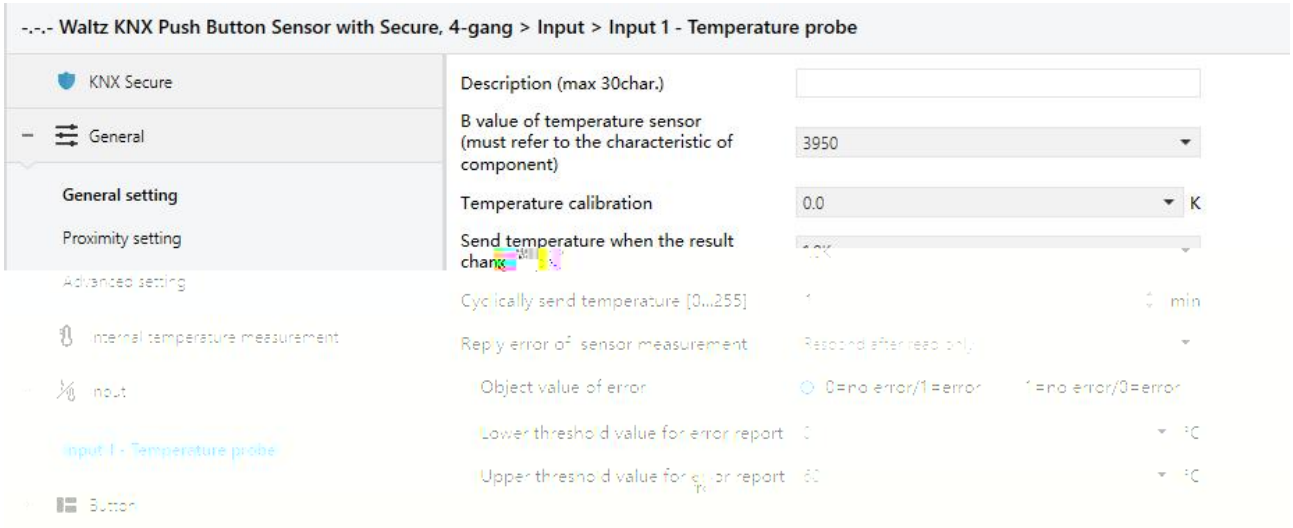
-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Input > Input 1 - Temperature probe
KNX Secure
General
General setting
Proximity setting
Advanced setting
Internal temperature measurement
Input
Input 1 - Temperature probe
Button
Description (max 30char.)
B value of temperature sensor (must refer to the characteristic of component)
3950
Temperature calibration
0.0
K
Send temperature when the result chan
Cyclically send temperature [0...255]
min
Reply error of sensor measurement
Respond after read only
Object value of error
0=no error/1=error
1=no error/0=error
Lower threshold value for error report
°C
Upper threshold value for error report
60
°C

5.4.1

k

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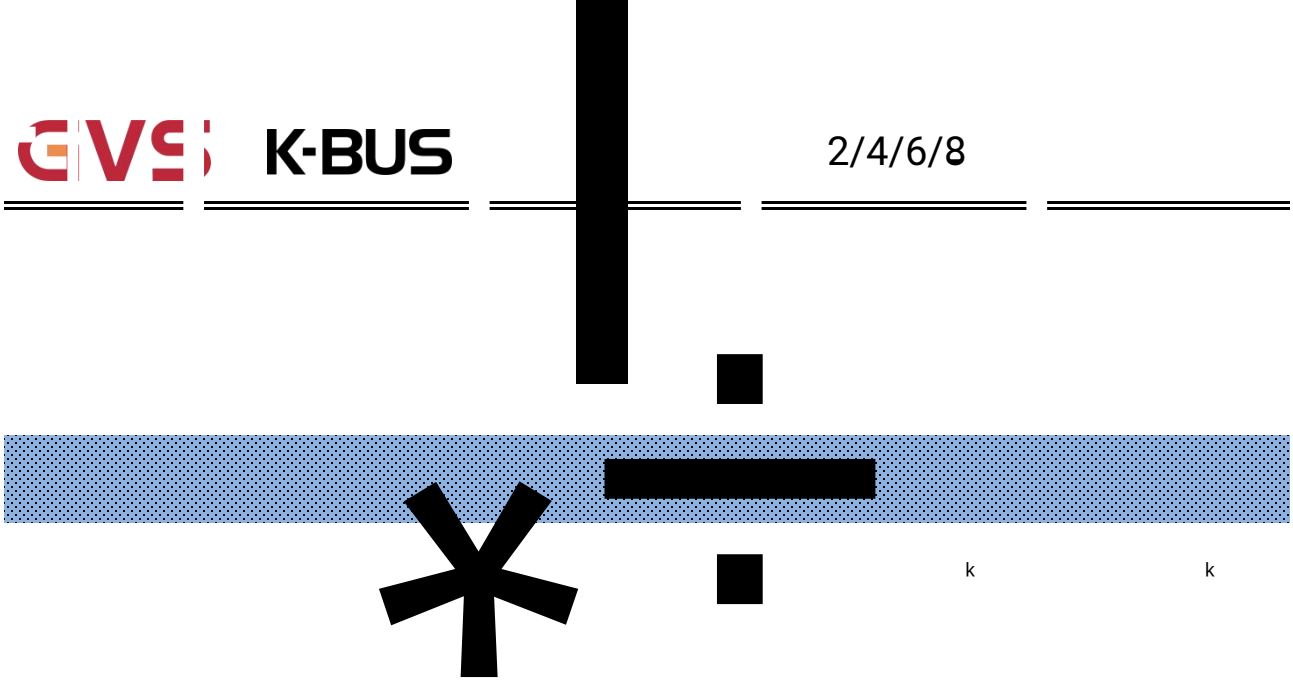

k k

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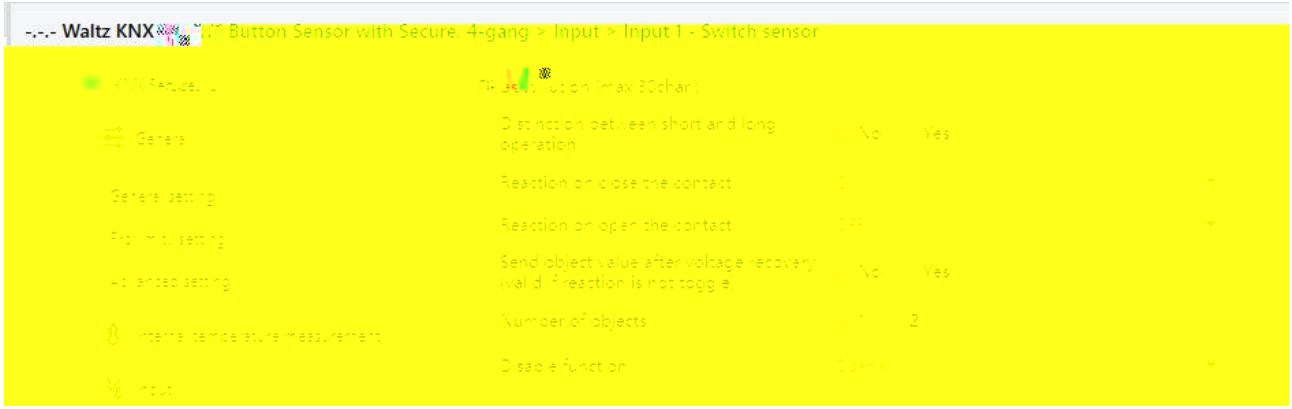
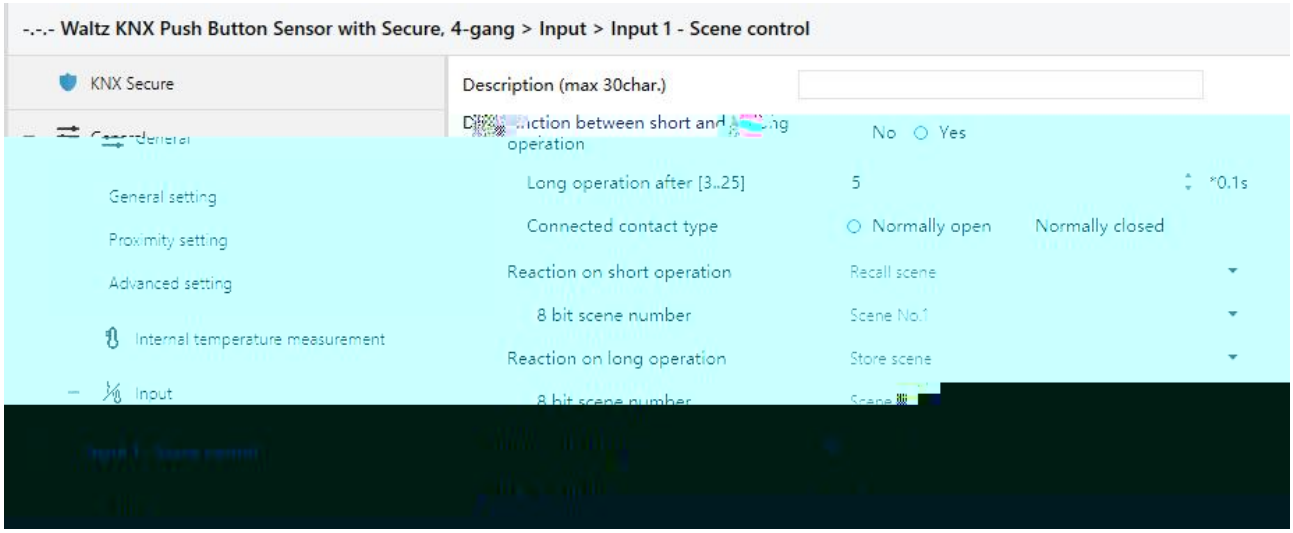
k k

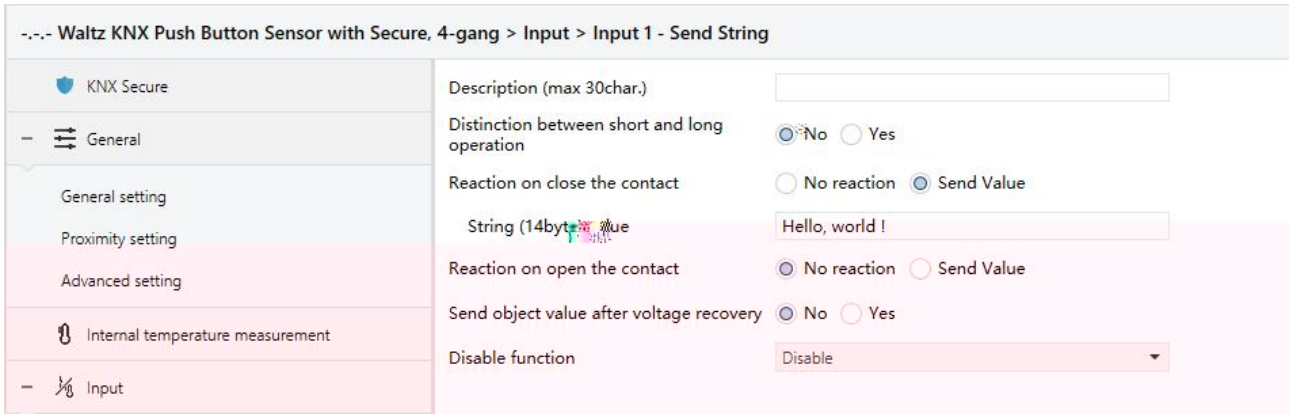
k k



5.4.2(1)



5.4.2(2)



5.4.2(3)

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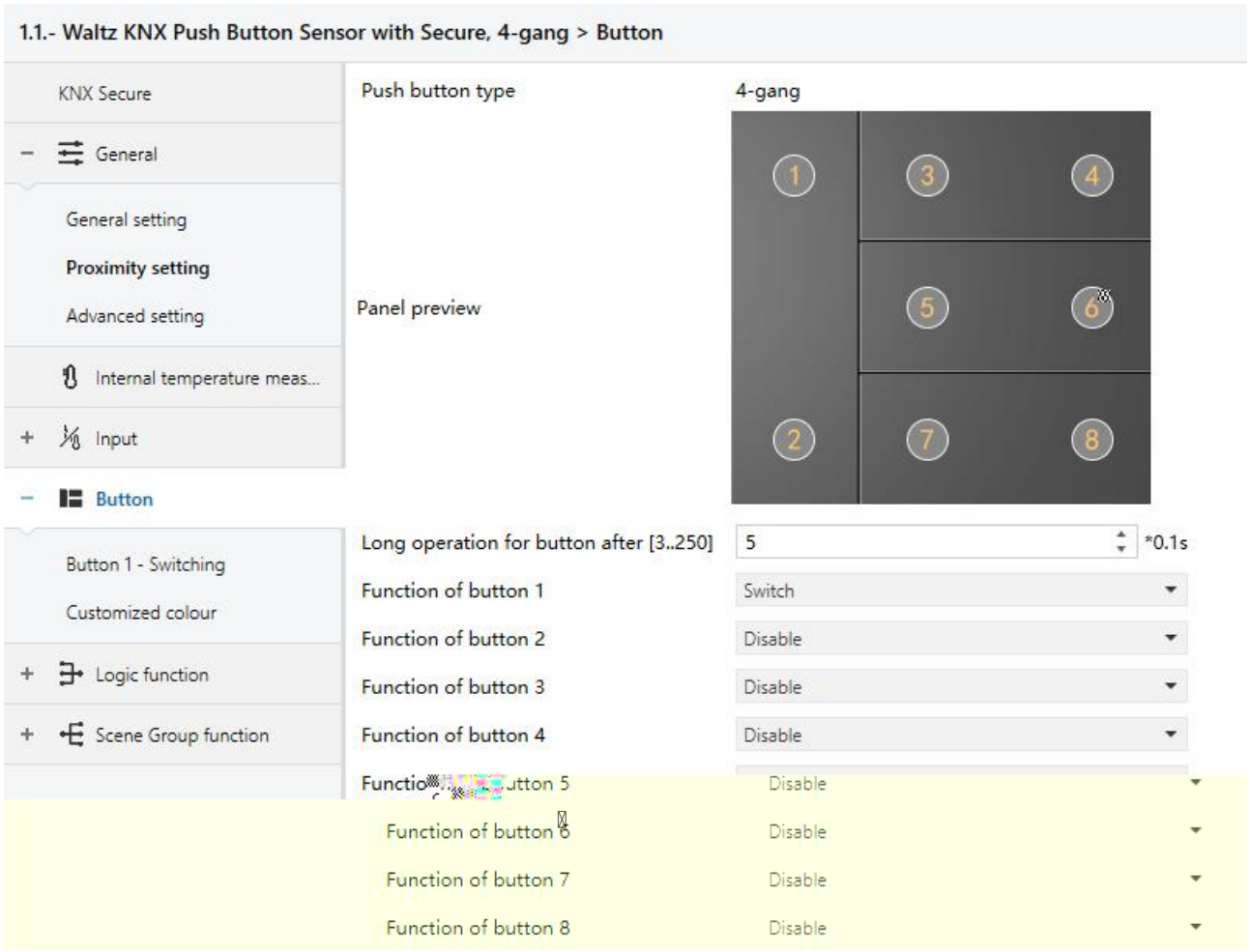
/ k /

1 2 k

k / k

1- ! 2- ! 3- 4- k

4- k



5.5

k k 4-

5.5 k

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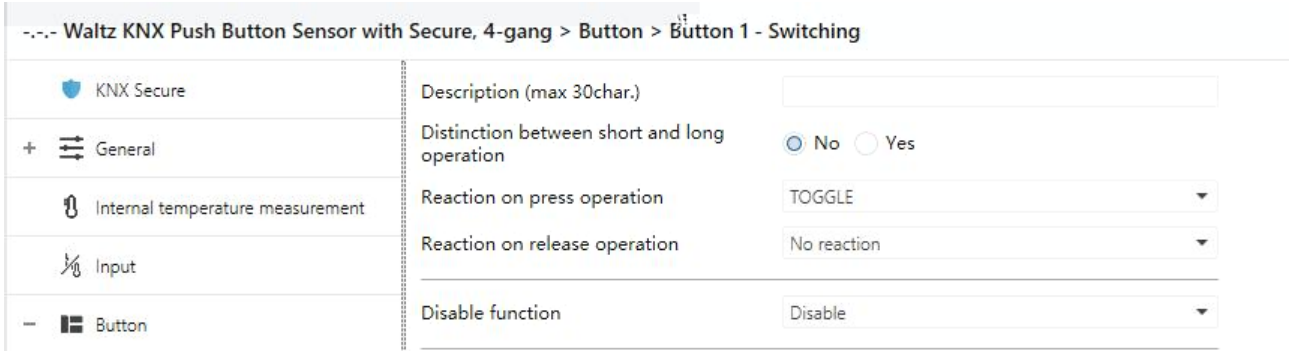


5.5.1

k 30 k

/ k

k

/ 2/4/6/8

1/ 0 0/ 1 k

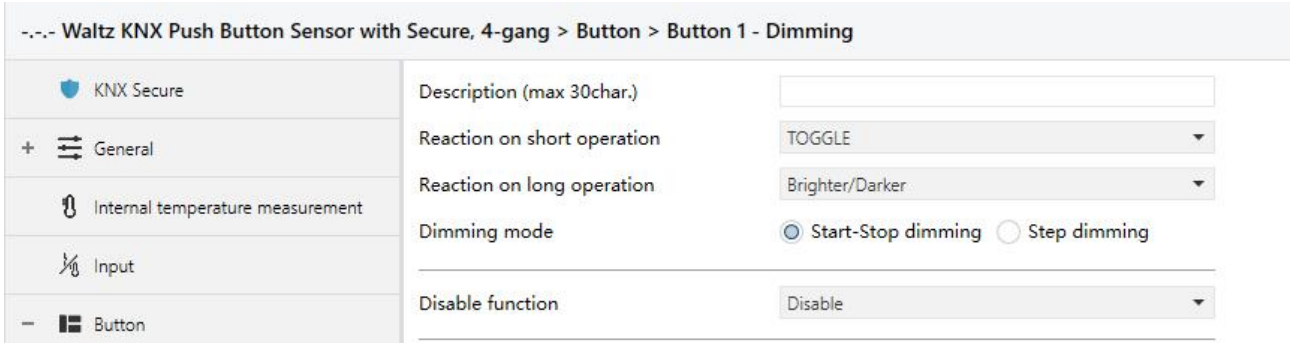
k

1 1 k

k

k

k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Button > Button 1 - Dimming
KNX Secure
General
Internal temperature measurement
Input
Button
Description (max 30char.)
Reaction on short operation
TOGGLE
Reaction on long operation
Brighter/Darker
Dimming mode
Start-Stop dimming
Step dimming
Disable function
Disable

5.5.2

k

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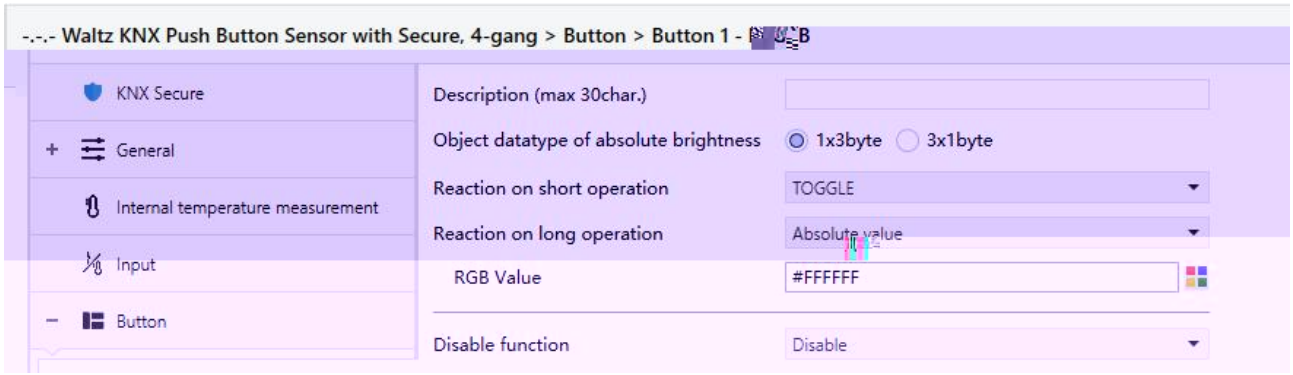
k k

-

k k

k

k k

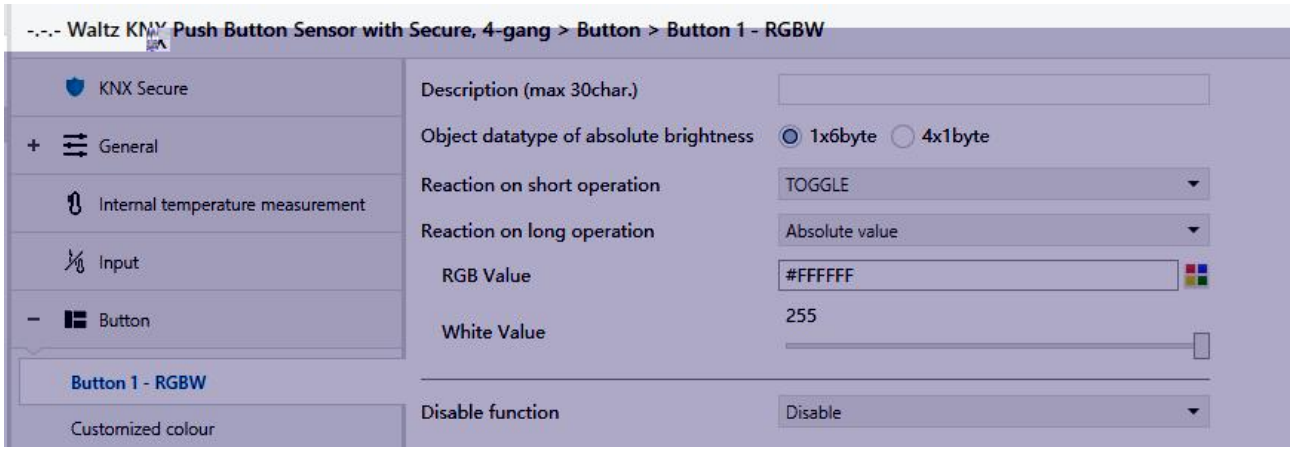

-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Button > Button 1 -
KNX Secure
General
Internal temperature measurement
Input
Button
Description (max 30char.)
Object datatype of absolute brightness
1x3byte
3x1byte
Reaction on short operation
TOGGLE
Reaction on long operation
Absolute value
RGB Value
#FFFFFF
Disable function
Disable

5.5.3

k

/ k

k / k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Button > Button 1 - RGBW
KNX Secure
General
Internal temperature measurement
Input
Button
Button 1 - RGBW
Customized colour
Description (max 30char.)
Object datatype of absolute brightness
1x6byte
4x1byte
Reaction on short operation
TOGGLE
Reaction on long operation
Absolute value
RGB Value
#FFFFFF
White Value
255
Disable function
Disable

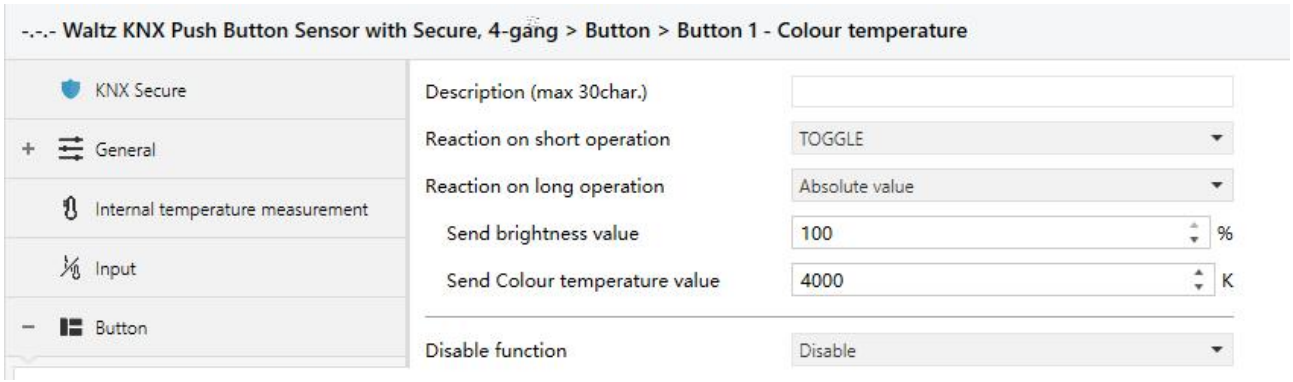
5.5.4

k

/ k

k / k

k / k

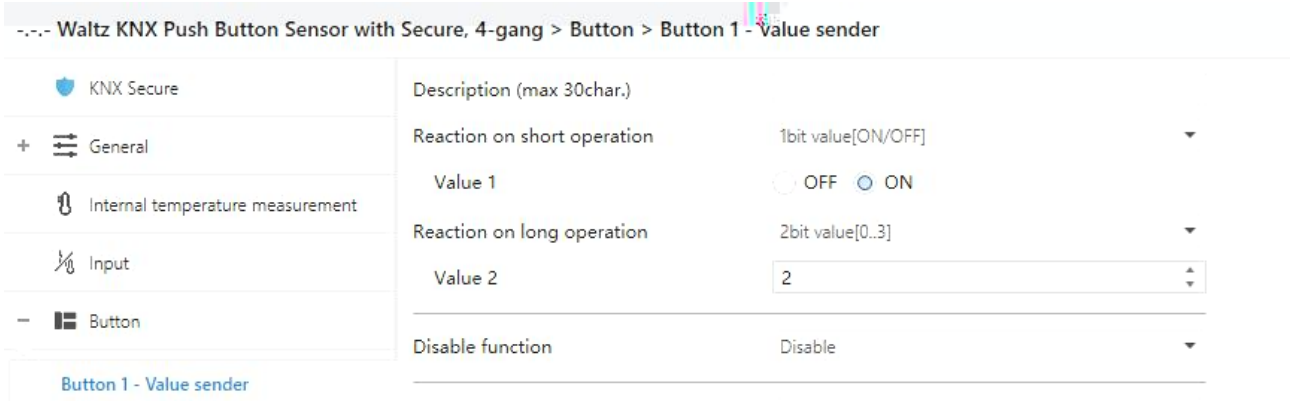

-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Button > Button 1 - Colour temperature
KNX Secure
General
Internal temperature measurement
Input
Button
Description (max 30char.)
Reaction on short operation
TOGGLE
Reaction on long operation
Absolute value
Send brightness value
100
%
Send Colour temperature value
4000
K
Disable function
Disable

5.5.5

/ k

k / k

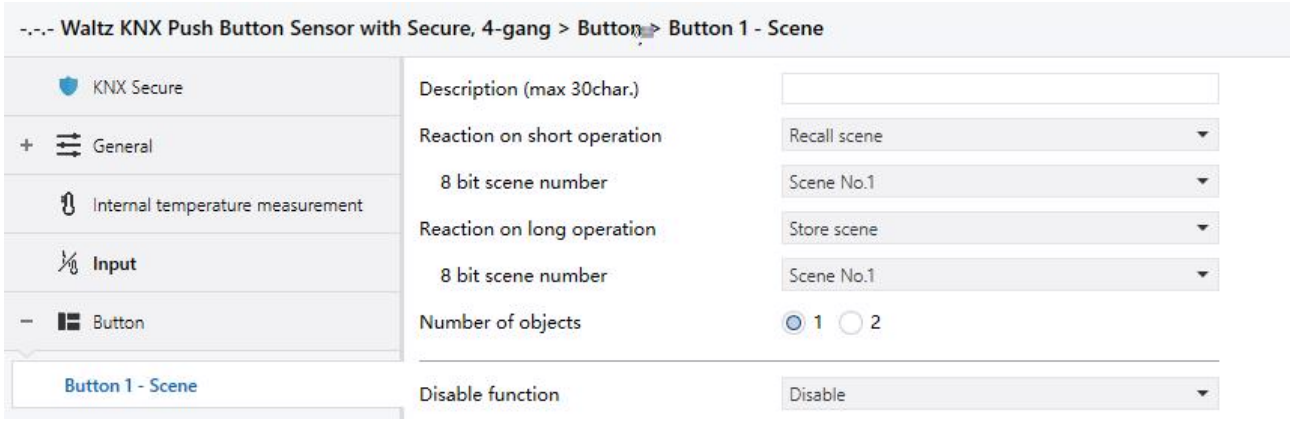
k / k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Button > Button 1 - Value sender
KNX Secure
General
Internal temperature measurement
Input
Button
Button 1 - Value sender
Description (max 30char.)
Reaction on short operation
1bit value[ON/OFF]
Value 1
OFF
ON
Reaction on long operation
2bit value[0..3]
Value 2
2
Disable function
Disable

5.5.6

k / k

k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Button > Button 1 - Scene
KNX Secure
General
Internal temperature measurement
Input
Button
Button 1 - Scene
Description (max 30char.)
Reaction on short operation
Recall scene
8 bit scene number
Scene No.1
Reaction on long operation
Store scene
8 bit scene number
Scene No.1
Number of objects
1
2
Disable function
Disable

5.5.7

/ k

k

0 63

k

/ / k

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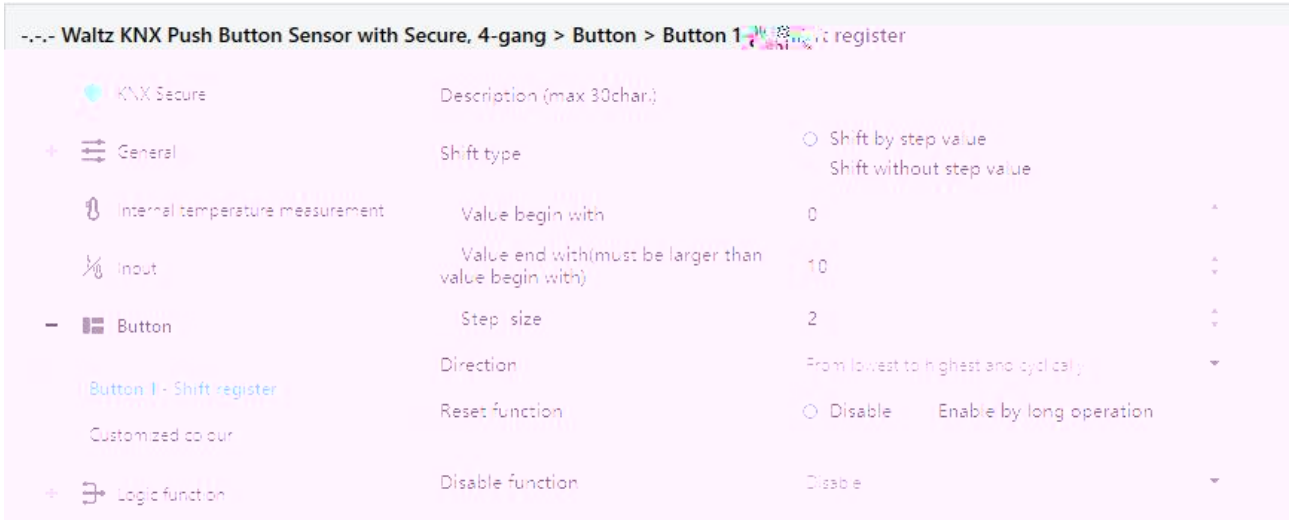
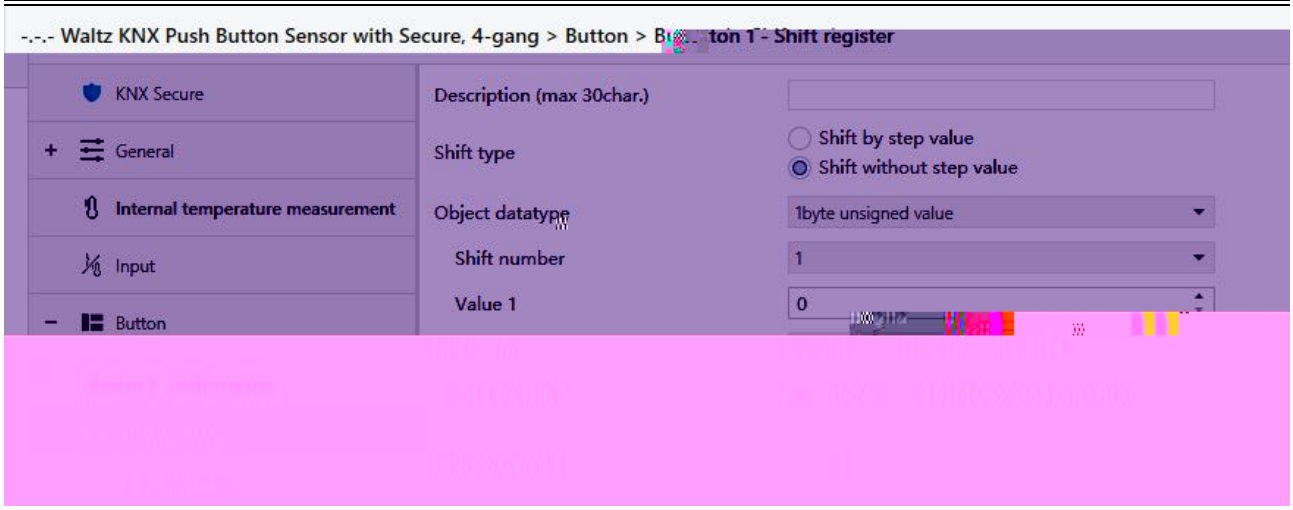
( )

(/) / k

... k k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Button > Button 1 register
KNX Secure
General
Internal temperature measurement
Input
Button
Button 1 - Shift register
Customized colour
Logic function
Description (max 30char.)
Shift type
Shift by step value
Shift without step value
Value begin with
0
Value end with(must be larger than value begin with)
10
Step size
2
Direction
Reset function
Disable
Enable by long operation
Disable function
Disable



5.5.

k

k

10

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k

k

k

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k

k

k

k

k 10 k

, .

k

k

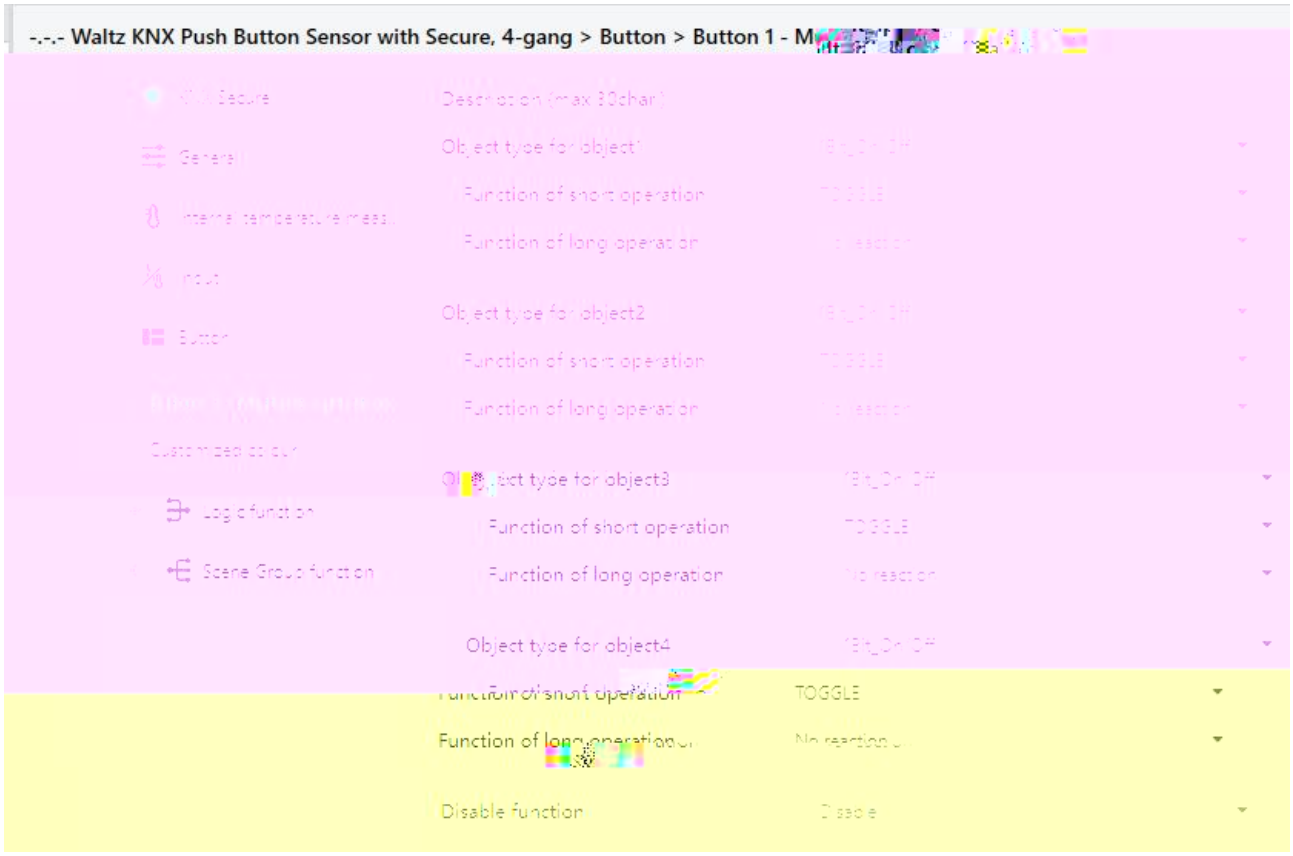
k

k

k

k

k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Button > Button 1 - M
Secure
General
Internal temperature meas...
Input
Button
Logic function
Scene Group function
Description (max 30char)
Object type for object1
Function of short operation
TOGGLE
Function of long operation
Object type for object2
Function of short operation
TOGGLE
Function of long operation
Object type for object3
Function of short operation
TOGGLE
Function of long operation
Object type for object4
Function of short operation
TOGGLE
Function of long operation
Disable function
Disable

5.5.10

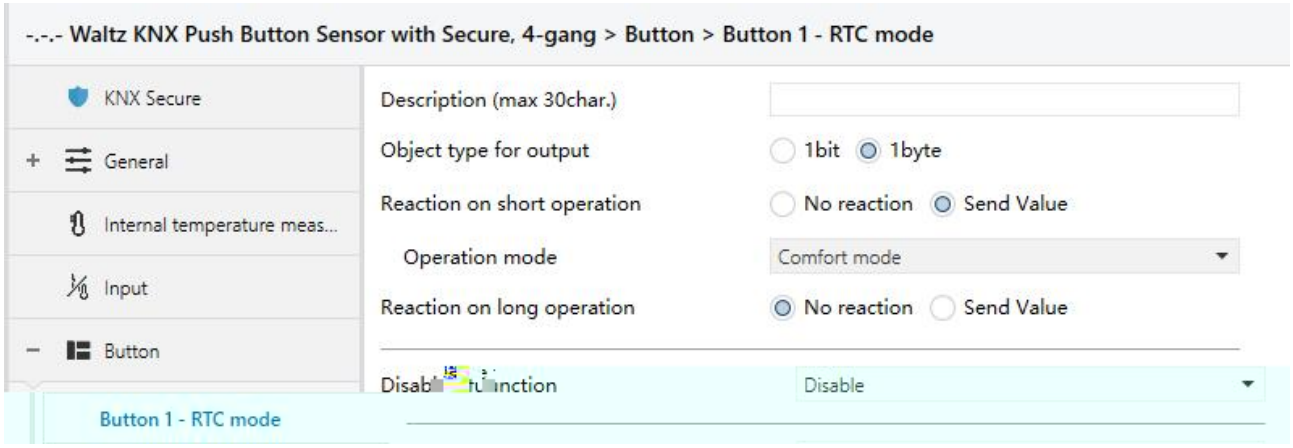
/ k

( )k

1 1 1 1

k k k

1/2 k k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Button > Button 1 - RTC mode
KNX Secure
General
Internal temperature meas...
Input
Button
Button 1 - RTC mode
Description (max 30char.)
Object type for output
1bit
1byte
Reaction on short operation
No reaction
Send Value
Operation mode
Comfort mode
Reaction on long operation
No reaction
Send Value
Disable
Disable

5.5.12

k

/ k

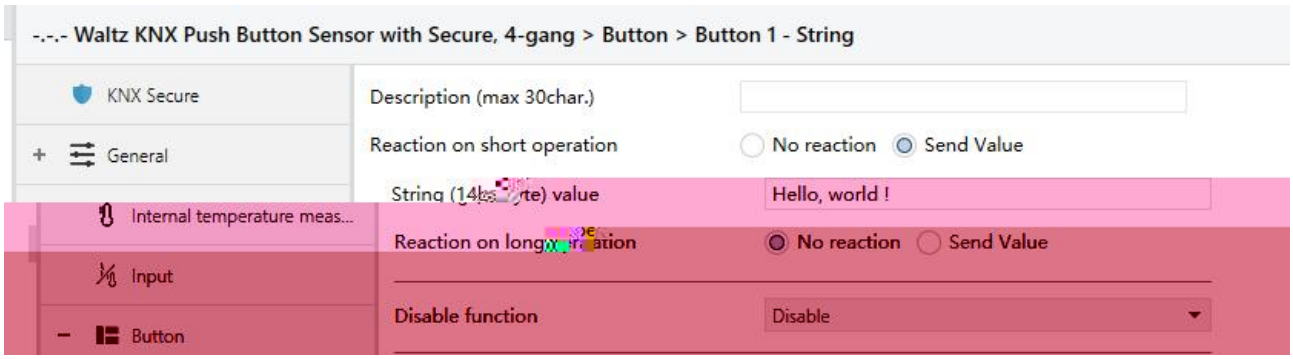
k k

1 0 k 0 k

k

1 k

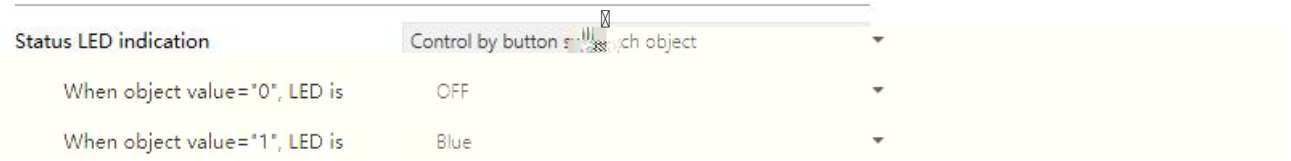
1 k k

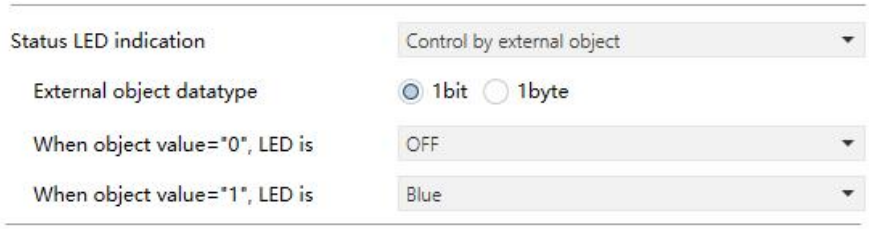

-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Button > Button 1 - String
KNX Secure
General
Internal temperature meas...
Input
Button
Description (max 30char.)
Reaction on short operation
No reaction
Send Value
String (14
te) value
Hello, world !
Reaction on long
ation
No reaction
Send Value
Disable function
Disable

5.5.13 (14)

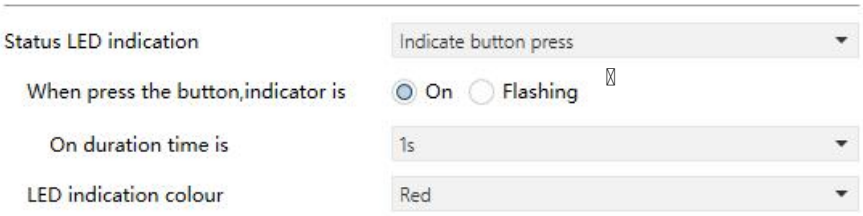
/ k

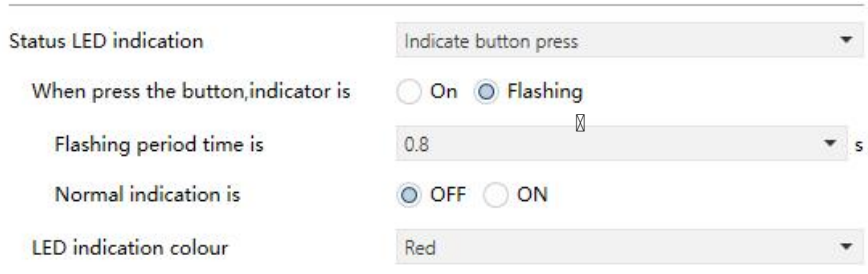
k k


Status LED indication
Control by button
ch object
When object value="0", LED is
OFF
When object value="1", LED is
Blue


Status LED indication
Control by external object
External object datatype
1bit
1byte
When object value="0", LED is
OFF
When object value="1", LED is
Blue

Status LED indication
Control by external object
External object datatype
1bit
1byte
Threshold value is
50
If object value<threshold value, LED is
OFF
If object value=threshold value, LED is
Red
If object value>thr


Status LED indication
Indicate button press
When press the button,indicator is
On
Flashing
On duration time is
1s
LED indication colour
Red


Status LED indication
Indicate button press
When press the button,indicator is
On
Flashing
Flashing period time is
0.8
s
Normal indication is
OFF
ON
LED indication colour
Red

Status LED indication
Always on
LED indication colour
Red

5.5.14

k

k

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1 k

1 k

1 k

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k

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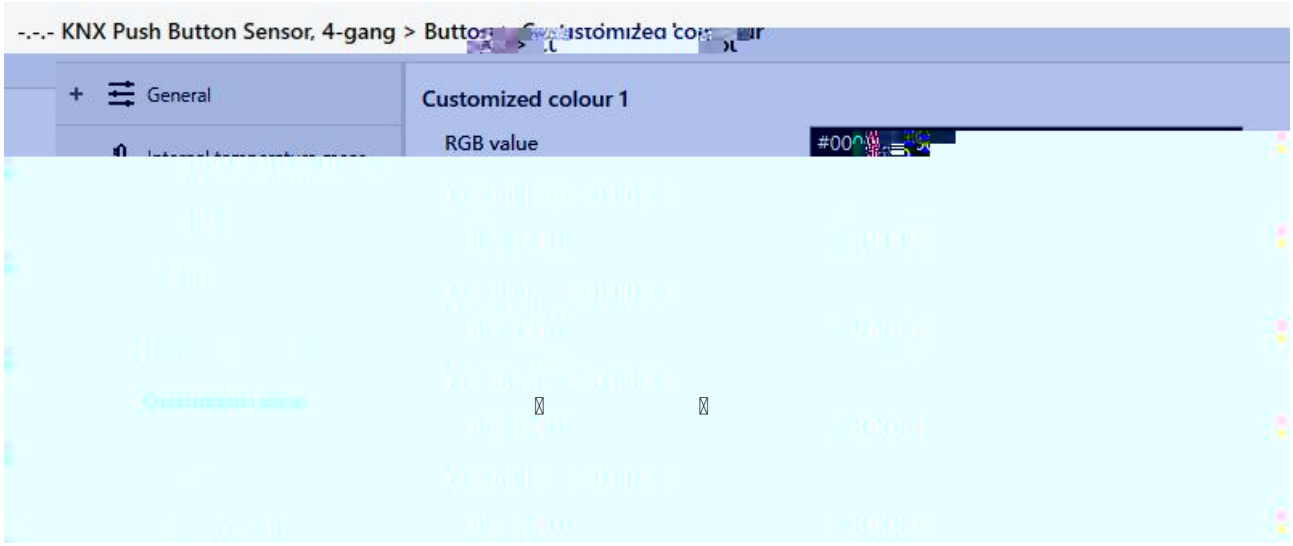
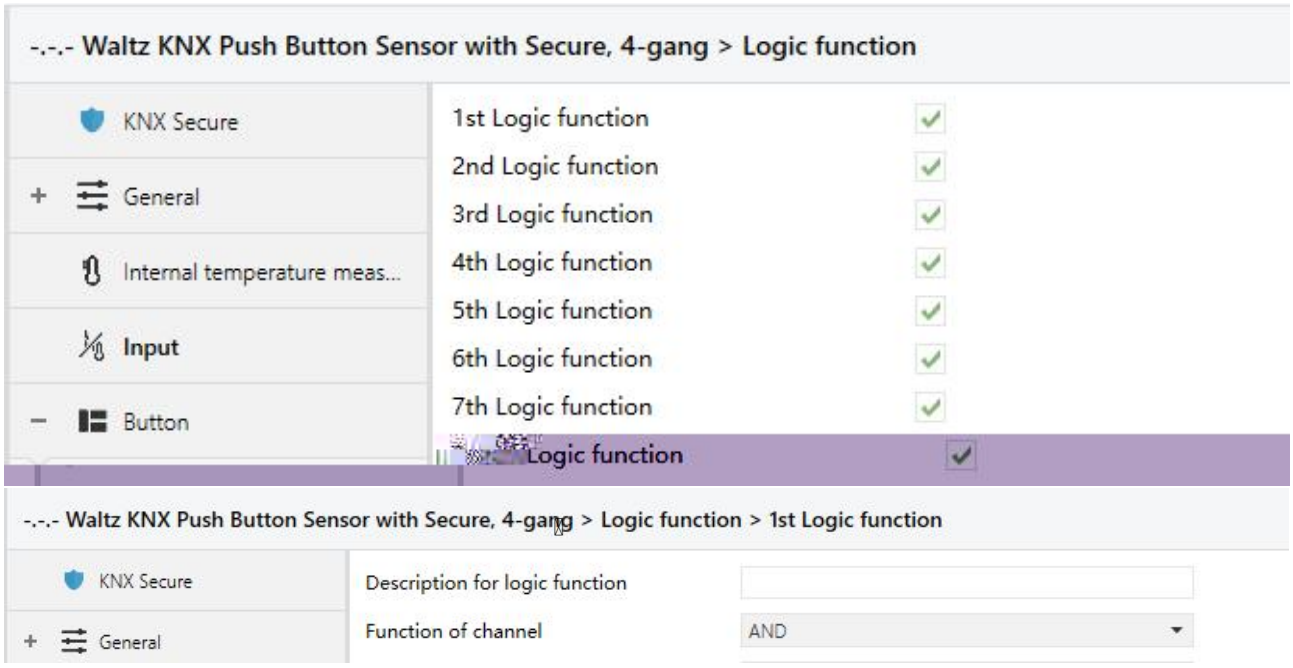
k


-.-.- KNX Push Button Sensor, 4-gang > Butto
General
Customized colour 1
RGB value
#00

5.5.15


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Logic function
KNX Secure
General
Internal temperature meas...
Input
Button
1st Logic function
2nd Logic function
3rd Logic function
4th Logic function
5th Logic function
6th Logic function
7th Logic function
Logic function
-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Logic function > 1st Logic function
KNX Secure
General
Description for logic function
Function of channel
AND

5.6

k 8 k

k 30 k

k

k

k k

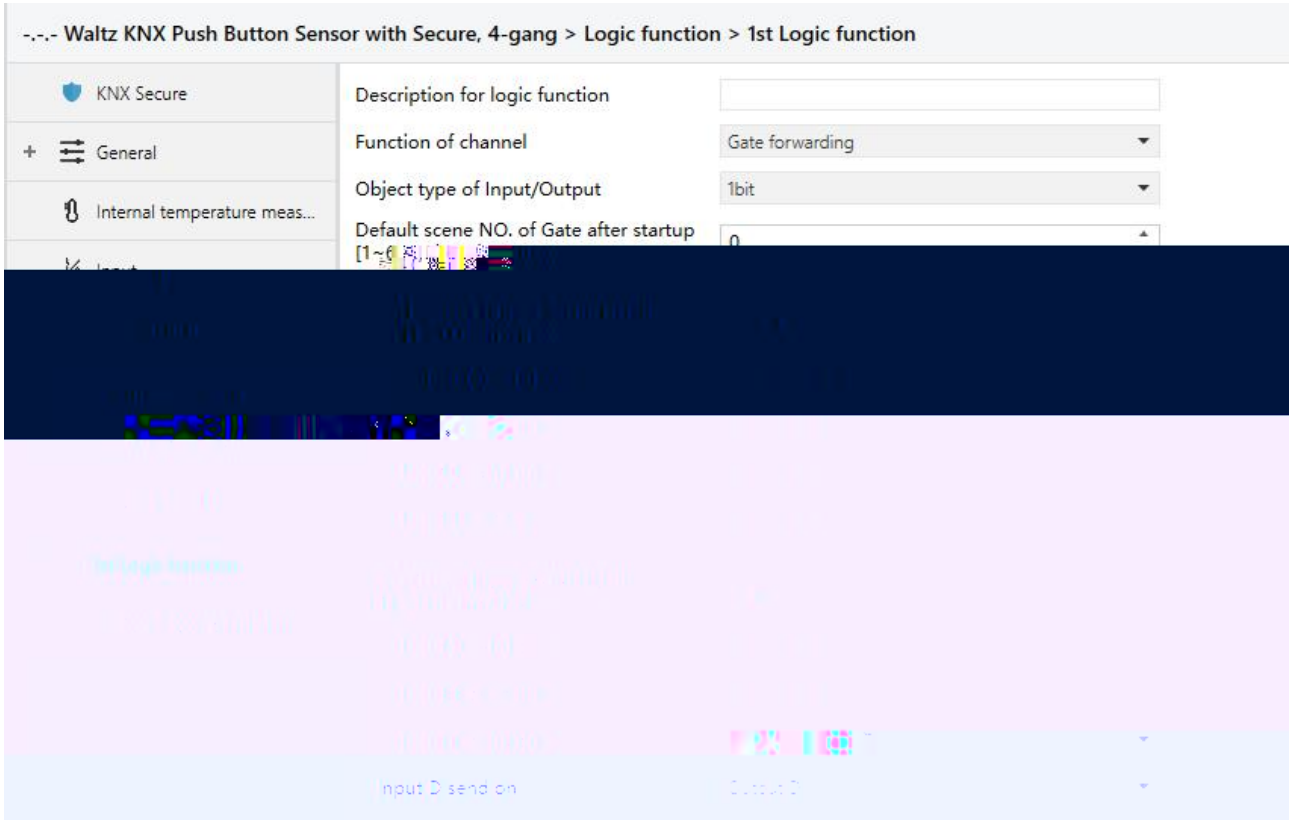
k

k

k

k

k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Logic function > 1st Logic function
KNX Secure
General
Internal temperature meas...
Description for logic function
Function of channel
Gate forwarding
Object type of Input/Output
1bit
Default scene NO. of Gate after startup

5.6.2

/ k

k

k

k

k

2 (.) ! (.004) k

k

! ! ! !

k 2 (.) ! (.004)

k

0 / 1 0 1 k

k

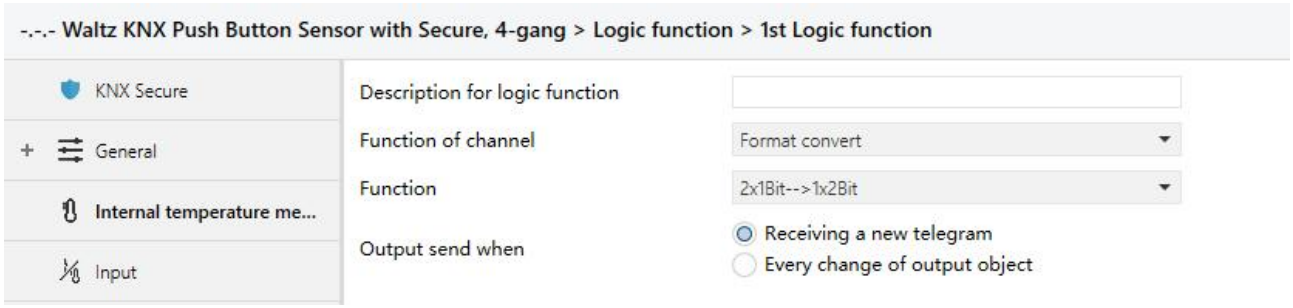
k

k

k

k

k k


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Logic function > 1st Logic function
KNX Secure
General
Internal temperature me...
Input
Description for logic function
Function of channel
Format convert
Function
2x1Bit-->1x2Bit
Output send when
Receiving a new telegram
Every change of output object

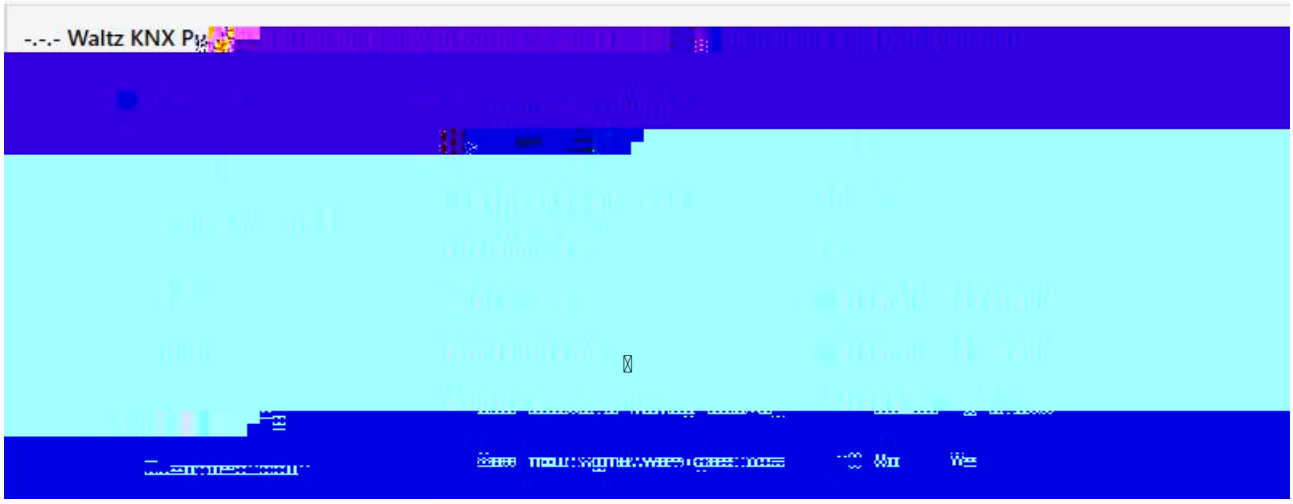
5.6.4

k

k

k

k



5.6.5

/ k

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1 / k

k

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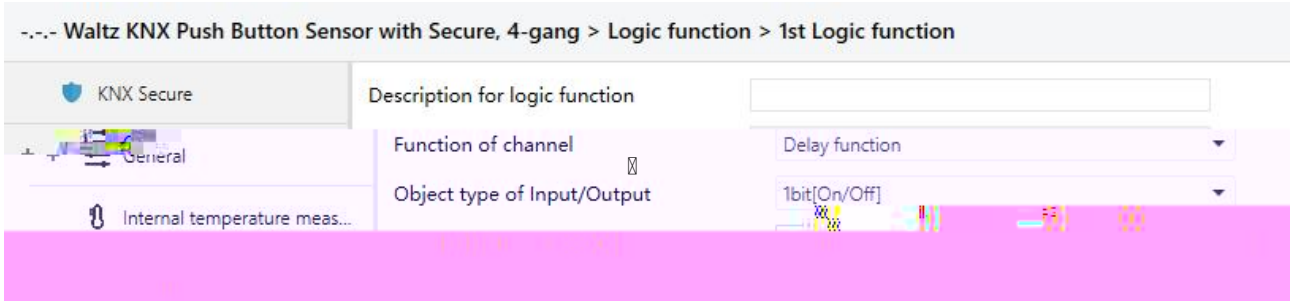
1 / k k

k

k

k

k

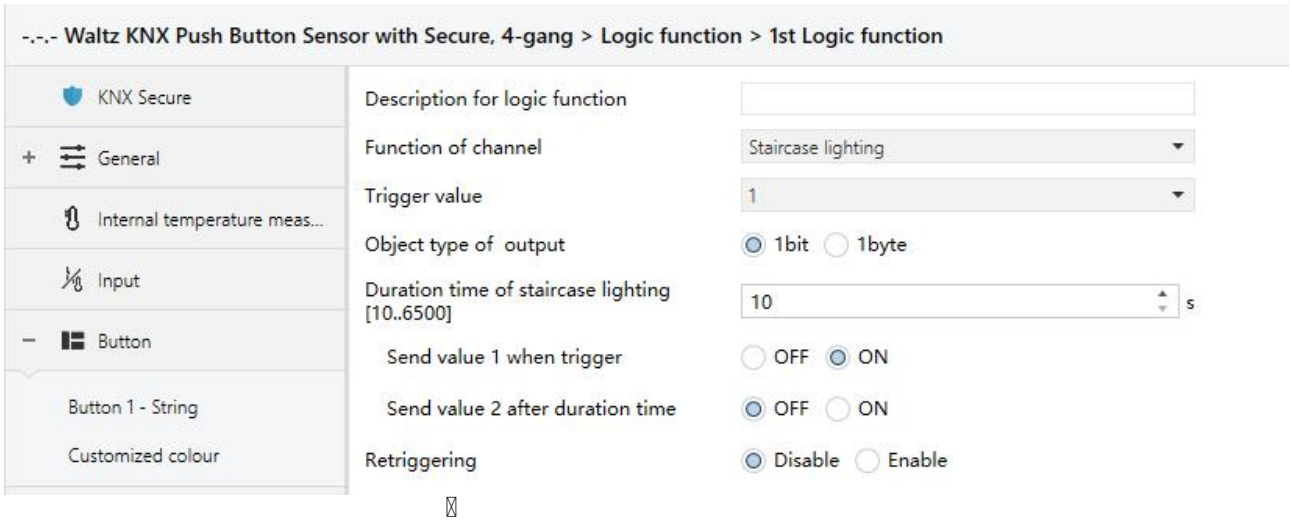

-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Logic function > 1st Logic function
KNX Secure
Description for logic function
General
Function of channel
Delay function
Internal temperature meas...
Object type of Input/Output
1bit[On/Off]

5.6.6

/ k

k

k



5.6.7

k

k

k

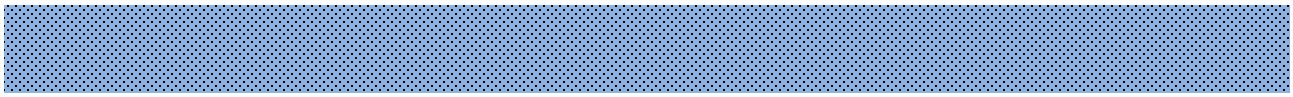
k

k 1 2 k

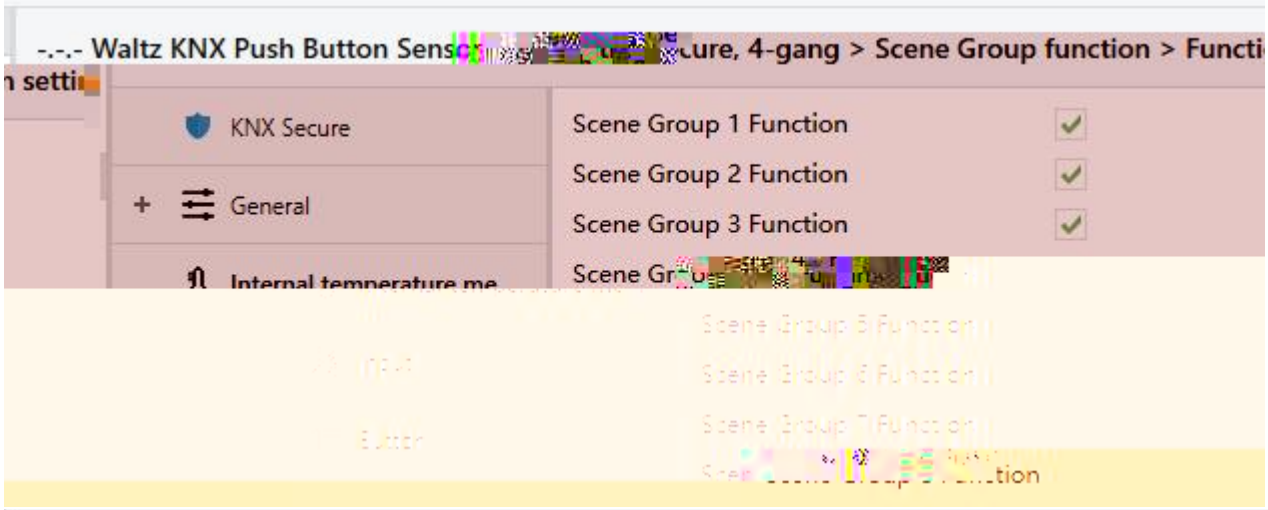
k

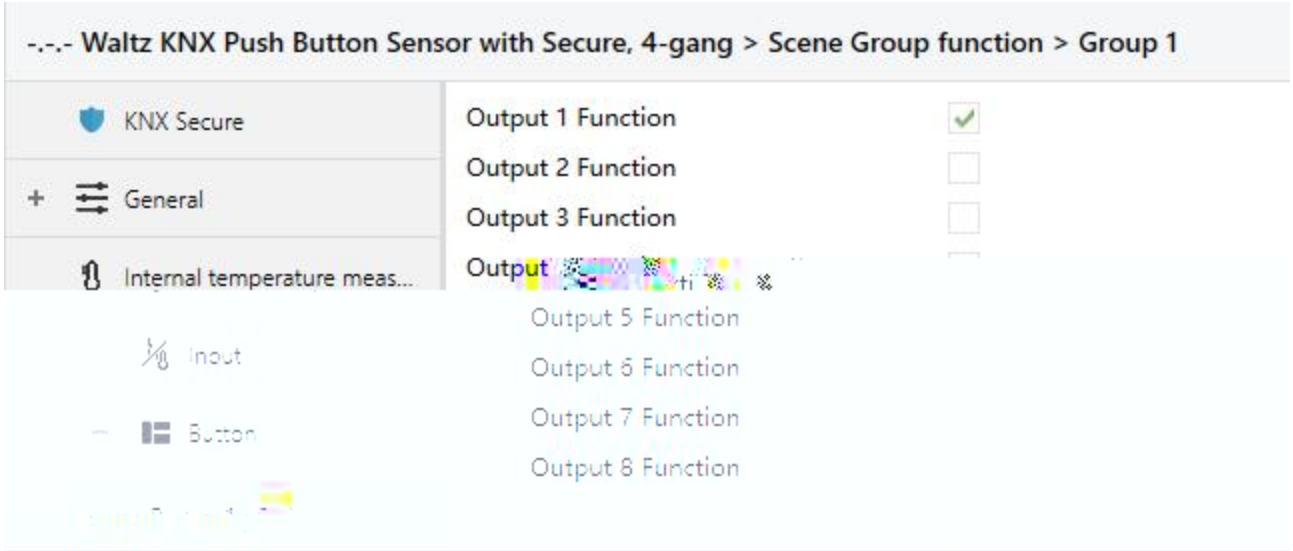
1

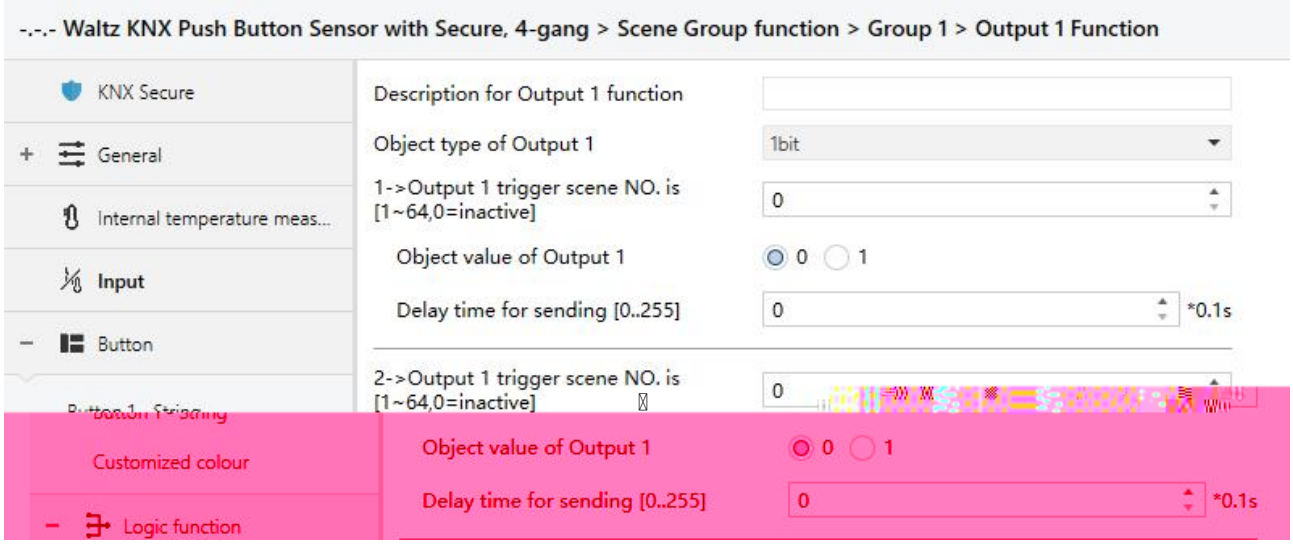
1



k


-.-.- Waltz KNX Push Button Sens
cure, 4-gang > Scene Group function > Functi
KNX Secure
General
Scene Group 1 Function
Scene Group 2 Function
Scene Group 3 Function


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Scene Group function > Group 1
KNX Secure
General
Internal temperature meas...
Output 1 Function
Output 2 Function
Output 3 Function
Output 5 Function
Output 6 Function
Output 7 Function
Output 8 Function


-.-.- Waltz KNX Push Button Sensor with Secure, 4-gang > Scene Group function > Group 1 > Output 1 Function
KNX Secure
General
Internal temperature meas...
Input
Button
Customized colour
Logic function
Description for Output 1 function
Object type of Output 1
1bit
1->Output 1 trigger scene NO. is [1~64,0=inactive]
Object value of Output 1
Delay time for sending [0..255]
*0.1s
2->Output 1 trigger scene NO. is [1~64,0=inactive]
Object value of Output 1
Delay time for sending [0..255]
*0.1s

5.7

8 k

8 k

8 8

k 30 k

k

1 2 k

1

2

k 8 k

- -

1

1 -1

1 -

2 -2

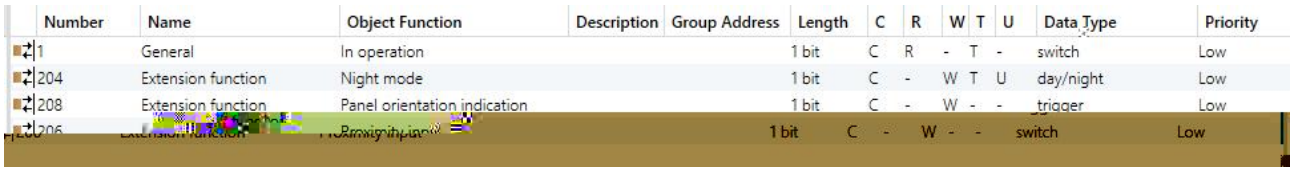
2 -

- -

k

k

k



Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
1	General	In operation			1 bit	C	R	-	T	-	switch	Low
204	Extension function	Night mode			1 bit	C	-	W	T	U	day/night	Low
208	Extension function	Panel orientation indication			1 bit	C	-	W	-	-	trigger	Low
206	Extension function	Proximity input			1 bit	C	-	W	-	-	switch	Low

6.1

1 k					
/ k 0 ˚ ˚ 1 ˚ ˚ , , , , k					
k 1 ˚ 0 ˚					
k k					

6.1

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
2	Internal sensor	Temperature value			2 bytes	C	R	-	T	-	temperature (°C)	Low
3	Internal sensor	Low temperature alarm			1 bit	C	R	-	T	-	alarm	Low
4	Internal sensor	High temperature alarm			1 bit	C	R	-	T	-	alarm	Low

6.2

k -50 .8					
					k
					k

6.2

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
198	Input 1 - Temperature probe	Actual temperature, Sensor			2 bytes	C	R	-	T	-	temperature (°C)	Low
199	Input 1 - Temperature probe	[illegible]perature error report, Sensor			1 bit	C	R	-	T	-	alarm	Low

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
198	Input 1 - Switch sensor	Switch			1 bit	C	-	W	T	U	switch	Low
198	Input 1 - Switch sensor	Close, Switch			1 bit	C	-	W	T	U	switch	Low
199	Input 1 - Switch sensor	[illegible]										
198	Input 1 - Switch sensor	Short, Switch			1 bit	C	-	W	T	U	switch	Low
199	Input 1 - Switch sensor	Long, Switch			1 bit	C	-	W	T	U	switch	Low
200	Input 1 - Switch sensor	Disable			1 bit	C	-	W	-	-	enable	Low

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
198	Input 1 - Scene control	Scene			1 byte	C	-	-	T	-	scene control	Low
198	Input 1 - Scene control	Close, Scene			1 byte	C	-	-	T	-	scene control	Low
199	Input 1 - Scene control	Open, Scene			1 byte	C	-	-	T	-	scene control	Low
198	Input 1 - Scene control	Short, Scene			1 byte	C	-	-	T	-	scene control	Low
199	Input 1 - Scene control	Long, Scene										
[illegible]												

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
198	Input 1 - Send String	String			14 bytes	C	-	-	T	-	Character String (ISO...	Low
198	Input 1 - Send String	Close, String			14 bytes	C	-	-	T	-	Character String (ISO...	Low
198	Input 1 - Send String	Short, String			14 bytes	C	-	-	T	-	Character String (ISO...	Low
199	Input 1 - Send String	Long, String			14 bytes	C	-	-	T	-	Character String (ISO...	Low

6.3

k -50 .8 (30 .) - ... k k					
k					

k / 1 2 k

1 k 2 /

/ k

0

1

8 k / 1

2 k

1 k 2 /

/ k

8 k

8 ( )

0 1

0

0 63 k

0 1 2 63	1 2 3 64
128 12 130 1 1	1 2 3 64

1 64 0 63 k 1

0 k

k / 1 2

k

1 k 2 /

/ k

/ ! k

6.3

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - Switching	Switch			1 bit	C	-	W	T	U	switch	Low
142	Button 1 - Switching	Press, Switch			1 bit	C	-	W	T	U	[illegible]	Low
[illegible]												
142	Button 1 - Switching	Short, Switch			1 bit	C	-	W	T	U	[illegible]	Low
[illegible]												

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - Dimming	Short, Switch			1 bit	C	-	W	T	U	switch	Low
[illegible]	Button 1 - Dimming	Long, Dimming			4 bit	C	-	W	T	-	dimming control	Low
[illegible]	Button 1 - Dimming	Disable			1 bit	C	-	W	-	-	enable	
[illegible]												

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - RGB	Switch			1 bit	C	-	W	T	U	switch	Low
143	Button 1 - RGB	RGB dimming value			3 bytes	C	-	-	T	-	RGB value 3x(0..255)	Low
143	Button 1 - RGB	Red dimming value			1 byte	C	-	-	T	-	percentage (0..100%)	Low
144	Button 1 - RGB	Green dimming value			1 byte	C	-	-	T	-	percentage (0..100%)	Low
145	Button 1 - RGB	Blue dimming value			1 byte	C	-	-	T	-	percentage (0..100%)	Low
147	Button 1 - RGB	Disable			1 bit	C	-	W	-	-	enable	Low
148	Button 1 - RGB	LED status			1 bit	C	-	W	T	U	switch	Low

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
[illegible]												
[illegible]												
143	Button 1 - RGBW	Red dimming value			1 byte	C	-	-	T	-	percentage (0..100%)	Low
144	Button 1 - RGBW	Green dimming value			1 byte	C	-	-	T	-	percentage (0..100%)	Low
145	Button 1 - RGBW	Blue dimming value										

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - Colour temperature	Switch			1 bit	C	-	W	T	U	switch	Low
143	Button 1 - Colour temperature	Brightness value			1 byte	C	-	-	T	-	percentage (0..100%)	Low
144	Button 1 - Colour temperature	Colour temperature value			2 bytes	C	-	-	T	-	absolute colour temperature (K)	Low
147	Button 1 - Colour temperature	Disable			1 bit	C	-	W	-	-	enable	Low
148	Button 1 - Colour temperature	LED status			1 bit	C	-	W	T	U	switch	Low

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - Value sender	Short, 1bit value			1 bit	C	-	-	T	-	switch	Low
143	Button 1 - Value sender	Long, 1bit value			1 bit	C	-	-	T	-	switch	Low
142	Button 1 - Value sender	Short, 2bit value			2 bit	C	-	-	T	-	switch control	Low
143	Button 1 - Value sender	Long, 2bit value			2 bit	C	-	-	T	-	switch control	Low
142	Button 1 - Value sender	Short, 4bit value			4 bit	C	-	-	T	-	dimming control	Low
143	Button 1 - Value sender	Long, 4bit value			4 bit	C	-	-	T	-	dimming control	Low
142	Button 1 - Value sender	Short, 1byte value			1 byte	C	-	-	T	-	counter pulses (0..255)	Low
[illegible]												
142	Button 1 - Value sender	Short, 2byte value			2 bytes	C	-	-	T	-	pulses	Low
[illegible]												
142	Button 1 - Value sender	Short, 2byte float value			2 bytes	C	-	-	T	-	2-byte float value	Low
143	Button 1 - Value sender	Long, 2byte float value			2 bytes	C	-	-	T	-	2-byte float value	Low

(1)

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - Value sender	Short, 4byte value			4 bytes	C	-	-	T	-	counter pulses (unsig...	Low
143	Button 1 - Value sender	Long, 4byte value			4 bytes	C	-	-	T	-	counter pulses (unsig...	Low
142	Button 1 - Value sender	Short, 4byte float value			4 bytes	C	-	-	T	-	4-byte float value	Low
143	Button 1 - Value sender	Long, 4byte float value			4 bytes	C	-	-	T	-	4-byte float value	Low

(2)

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
	Button 1 - Scene	Scene			1 byte	C	-	-	T	-	scene control	Low
142	Button 1 - Scene	Short, Scene			1 byte	C	-	-	T	-	scene control	Low
143	Button 1 - Scene	Long, Scene			1 byte	C	-	-	T	-	scene control	Low
147	Button 1 - Scene	Disable			1 bit	C	-	W	-	-	enable	Low
148	Button 1 - Scene	LED status			1 bit	C	-	W	T	U	switch	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - Blind	Up/Down, Blind			1 bit	C	-	W	T	-	up/down	Low
143	Button 1 - Blind	Stop/Adjust, Blind			1 bit	C	-	W	T	-	step	Low
147	Button 1 - Blind	Disable			1 bit	C	-	W	-	-	enable	Low
148	Button 1 - Blind	LED status			1 bit	C	-	W	T	U	switch	Low

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - Shift register	Register value			1 byte	C	-	W	T	-	counter pulses (0..255)	Low
147	Button 1 - Shift register	Disable			1 bit	C	-	W	-	-	enable	Low
148	Button 1 - Shift register	LED status			1 bit	C	-	W	T	U	switch	Low

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - Multiple operation	Object1-On/Off			1 bit	C	-	W	T	-	switch	Low
142	Button 1 - Multiple operation	Object1-Up/Down			1 bit	C	-	W	T	-	up/down	Low
142	Button 1 - Multiple operation	Object1-SceneControl			1 byte	C	-	-	T	-	scene control	Low
142	Button 1 - Multiple operation	Object1-Percentage			1 byte	C	-	-	T	-	percentage (0..100%)	Low
142	Button 1 - Multiple operation	Object1-Unsigned value			1 byte	C	-	-	T	-	counter pulses (0..255)	Low
147	Button 1 - Multiple operation	Disable			1 bit	C	-	W	-	-	enable	Low
148	Button 1 - Multiple operation	LED status			1 bit	C	-	W	T	U	switch	Low

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - Delay mode	Short, Delay mode										
142	Button 1 - Delay mode	Short, Delay mode			4 bit	C	-	-	T	-	dimming control	Low
143	Button 1 - Delay mode	Long, Delay mode			4 bit	C	-	-	T	-	dimming control	Low
142	Button 1 - Delay mode	Short, Delay mode			1 byte	C	-	-	T	-	counter pulses (0..255)	Low
143	Button 1 - Delay mode	Long, Delay mode			1 byte	C	-	-	T	-	counter pulses (0..255)	Low
147	Button 1 - Delay mode	Disable			1 bit	C	-	W	-	-	enable	Low
148	Button 1 - Delay mode	LED status			1 bit	C	-	W	T	U	switch	Low

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - RTC mode	Comfort mode			1 bit	C	-	-	T	-	enable	Low
143	Button 1 - RTC mode	Economy mode			1 bit	C	-	-	T	-	enable	Low
144	Button 1 - RTC mode	Frost/Heat protection mode			1 bit	C	-	-	T	-	enable	Low
145	Button 1 - RTC mode	Standby mode			1 bit	C	-	-	T	-	enable	Low
142	Button 1 - RTC mode	Operation mode			1 byte	C	-	-	T	-	HVAC mode	Low
147	Button 1 - RTC mode	Disable			1 bit	C	-	W	-	-	enable	Low
148	Button 1 - RTC mode	LED status			1 bit	C	-	W	T	U	switch	Low

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
142	Button 1 - String	String			14 bytes	C	-	-	T	-	Character String (ISO 8859-1)	Low
147	Button 1 - String	Disable			1 bit	C	-	W	-	-	enable	Low
148	Button 1 - String	LED status			1 bit	C	-	W	T	U	switch	Low

(14)

6.4

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.143 k

1 7 1

7 0 15

15 8 k

.142 k

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.143 1 3

k

3 8 8 8

3	2	1

k

.143 ! .144 ! .145 3 1 k

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.143 ! .144 ! .145 ! .146 4 1 k

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0 1

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0 63 k

0 1 2 63	1 2 3 64
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1 64 0 63 k 1

0 k

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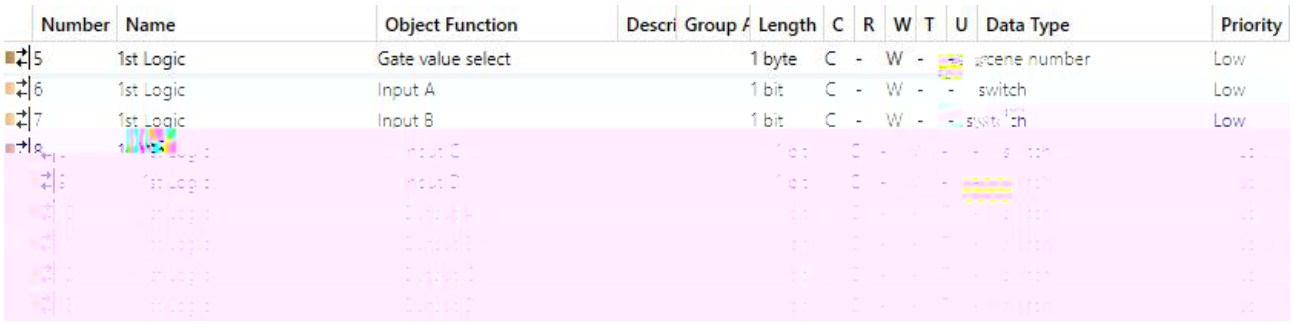

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Gate value select			1 byte	C	-	W	-		scene number	Low
6	1st Logic	Input A			1 bit	C	-	W	-	-	switch	Low
7	1st Logic	Input B			1 bit	C	-	W	-	-	switch	Low

6.5.2

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6.5.2

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Threshold value input			4 bit	C	-	W	-	U	dimming control	Low
5	1st Logic	Threshold value input			1 byte	C	-	W	-	U	counter pulses (0..255)	Low
5	1st Logic	Threshold value input			2 bytes	C	-	W	-	U	pulses	Low
5	1st Logic	Threshold value input			2 bytes	C	-	W	-	U	2-byte signed value	Low
5	1st Logic	Threshold value input			2 bytes	C	-	W	-	U	2-byte float value	Low
5	1st Logic	Threshold value input			4 bytes	C	-	W	-	U	counter pulses (unsigned)	Low
5	1st Logic	Threshold value input			2 bytes	C	-	W	-	U	temperature (°C)	Low
5	1st Logic	Threshold value input			2 bytes	C	-	W	-	U	lux (Lux)	Low
13	1st Logic	Logic result			1 bit	C	-	-	T	-	boolean	Low

6.5.3

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6.5.3

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Input 1bit-bit0			1 bit	C	-	W	-	U	boolean	Low
6	1st Logic	Input 1bit-bit1			1 bit	C	-	W	-	U	boolean	Low
13	1st Logic	Output 2bit			2 bit	C	-	-	T	-	switch control	Low

2 1 -- 1 2 2 1 2 1 1, 0 0-- 2 2

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Prio
5	1st Logic	Input 1bit-bit0			1 bit	C	-	W	-	U	boolean	Low
6	1st Logic	Input 1bit-bit1			1 bit	C	-	W	-	U	boolean	Low
7	1st Logic	Input 1bit-bit2			1 bit	C	-	W	-	U	boolean	Low
8	1st Logic	Input 1bit-bit3			1 bit	C	-	W	-	U	boolean	Low
9	1st Logic	Input 1bit-bit4			1 bit	C	-	W	-	U	boolean	Low
10	1st Logic	Input 1bit-bit5			1 bit	C	-	W	-	U	boolean	Low
11	1st Logic	Input 1bit-bit6			1 bit	C	-	W	-	U	boolean	Low
12	1st Logic	Input 1bit-bit7			1 bit	C	-	W	-	U	boolean	Low
13	1st Logic	Output 1byte			1 byte	C	-	-	T	-	counter pulses (0..255)	Low

8 1 -- 1 1 8 1 1 2 1, 1 1, 0 1, 0--
1 7

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Input 1byte			1 byte	C	-	W	-	U	counter puls	Low
13	1st Logic	Output 2byte			2 bytes	C	-	-	T	-	pulses	Low

1 1 -- 1 2 1 2 1 125-- 2 125,

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Input 1byte			1 byte	C	-	W	-	U	counter pulses (0..255)	Low
13	1st Logic	Output 2byte			2 bytes	C	-	-	T	-	pulses	Low

2 1 -- 1 2 2 1 2 1 - 255 ($),
1 - 100 ($64) -- 2 25855 ($64)

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Input 2byte-low			2 bytes	C	-	W	-	U	pulses	Low
6	1st Logic	Input 2byte-high			2 bytes	C	-	W	-	U	pulses	Low
13	1st Logic	Output 4byte			4 bytes	C	-	-	T	-	counter pulses (unsigned)	Low

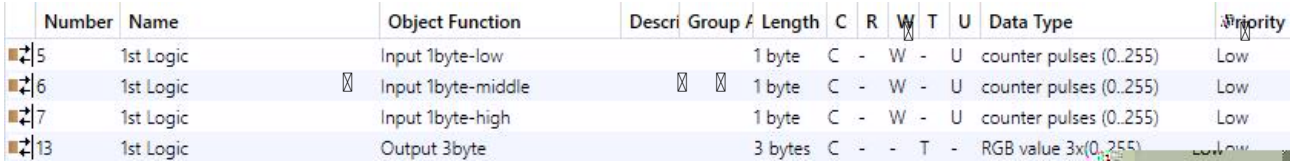
2 2 -- 1 4 2 2 4 2 - 65530 ($),
2 - 32768 ($80 00)-- 2 214754 178 ($80 00)

1 1 -- 8 1 1 1 8 1 1 200 -- 0 0, 1 0, 2 0, 3 1, 4 0, 5 0, 6 1, 7 1

1 2 -- 2 1 1 2 2 1 2 55500 ($ 8) -- 1 - 204 ($), 1 - 216 ($ 8)

1 4 -- 2 2 1 4 2 2 4 7800 500 ($04 6 54) -- 2 - 21660 ($54), 2 - 11 0 ($04 6)

1 3 -- 3 1 1 3 3 1 3 $78 64 8-- 1 - 200 ($ 8) , 1 - 100 ($64) , 1 - 120 ($78)



3 1 -- 1 3 3 1 1 3 1 - 150 ($ 6), 1 - 100 ($64), 1 - 50 ($32)-- 3 $32 64 6

6.5.4

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6.5.4

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Input			1 bit	C	-	W	-	-	switch	Low
6	1st Logic	Gate input			1 bit	C	-	W	-	-	boolea	Low
13	1st Logic	Output			1 bit	C	-	-	T	-	switch	Low

/ - 1 /

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Input			1 byte	C	-	W	-	-	percentage (0..100%)	Low
6	1st Logic	Gate input			1 bit	C	-	W	-	-	boolean	Low
13	1st Logic	Output			1 byte	C	-	-	T	-	percentage (0..100%)	Low

/ - 1 0..100%

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Input			1 byte	C	-	W	-	-	counter pulses (0..255)	Low
6	1st Logic	Gate input			1 bit	C	-	W	-	-	boolean	Low
13	1st Logic	Output			1 byte	C	-	-	T	-	counter pulses (0..255)	Low

/ - 1 0..255

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Input			2 bytes	C	-	W	-	-	temperature (°C)	Low
6	1st Logic	Gate input			1 bit	C	-	W	-	-	boolean	Low
13	1st Logic	Output			2 bytes	C	-	-	T	-	temperature (°C)	Low

/ - 2

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Input			2 bytes	C	-	W	-	-	pulses	Low
6	1st Logic	Gate input			1 bit	C	-	W	-	-	boolean	Low
13	1st Logic	Output			2 bytes	C	-	-	T	-	pulses	Low

/ - 2 0..65535

6.5.5

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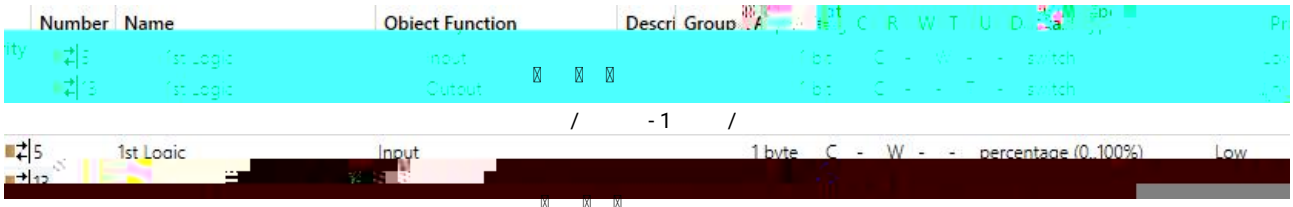
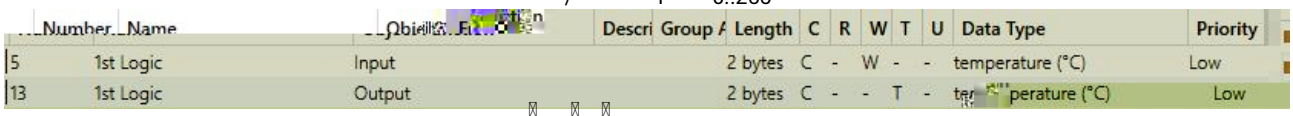
6.5.5



/ - 1 /

/ - 1 0..100%

/ - 1 0..255



/ - 2

/ - 2 0..65535

6.5.6

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6.5.6

Number	Name	Object Function	Descri	Group A	Length	C	R	W	T	U	Data Type	Priority
5	1st Logic	Trigger value			1 bit	C	-	W	-	-	trigger	Low
6	1st Logic	Light-on duration time			2 bytes	C	-	W	-	-	time (s)	Low
13	1st Logic	Output			1 bit	C	-	-	T	-	switch	Low
13	1st Logic	Output			1 byte	C	-	-	T	-	counter pulses (0..255)	Low

6.5.7

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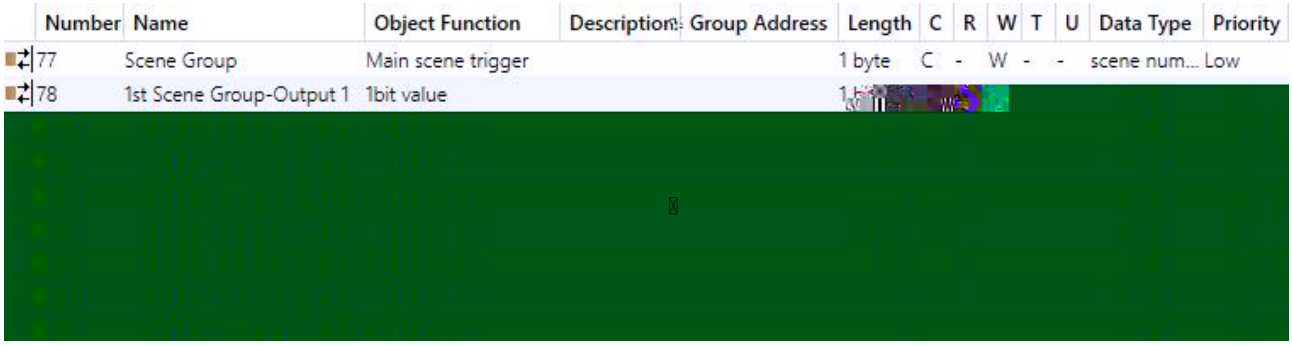
1		2 k			k

6.5.7



6.6

				k	0..63
				k	
	k				
	8 8 k				
					1
	- k				

6.6