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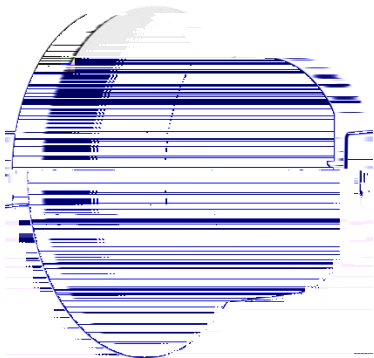
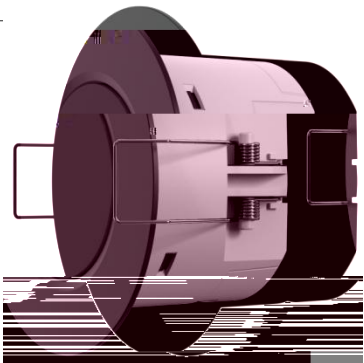
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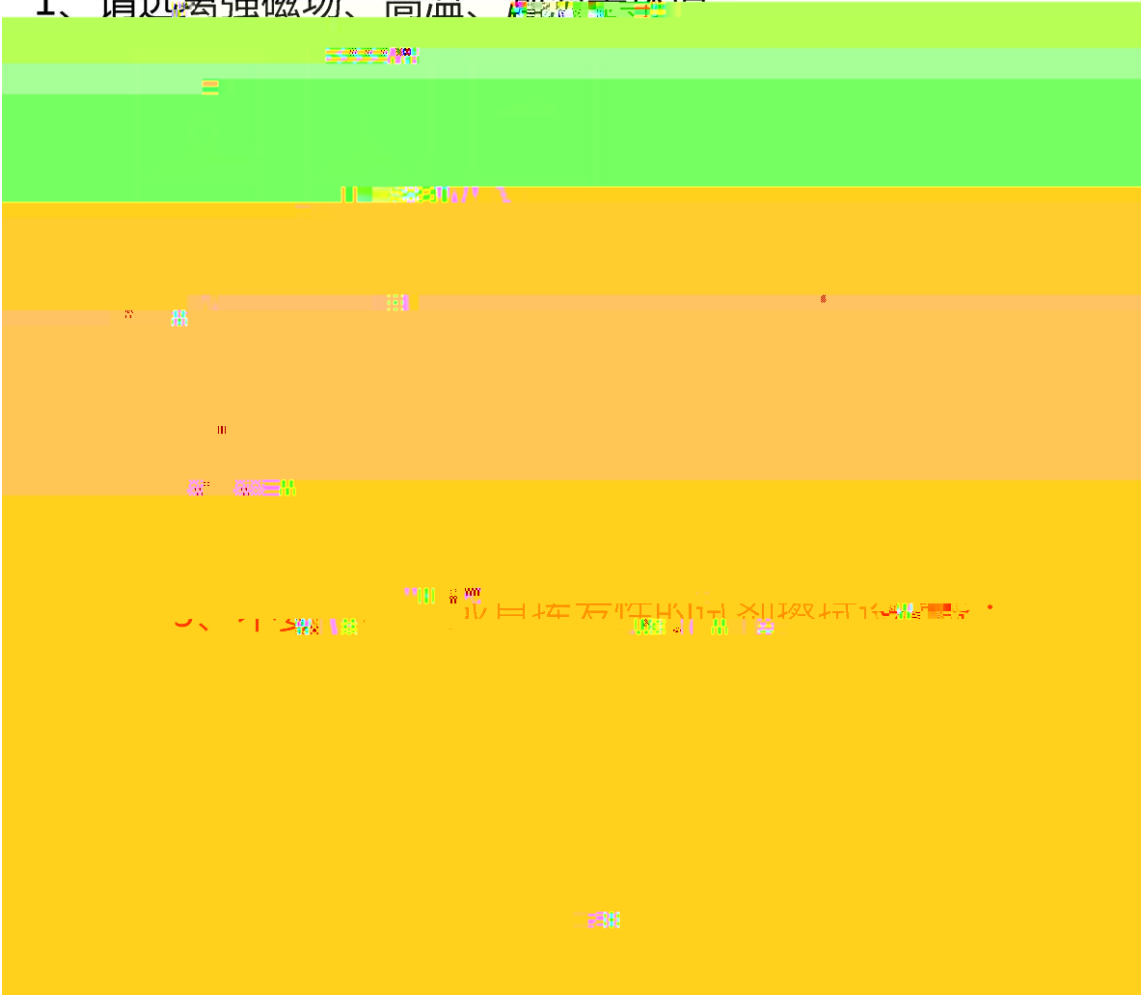


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注意事项

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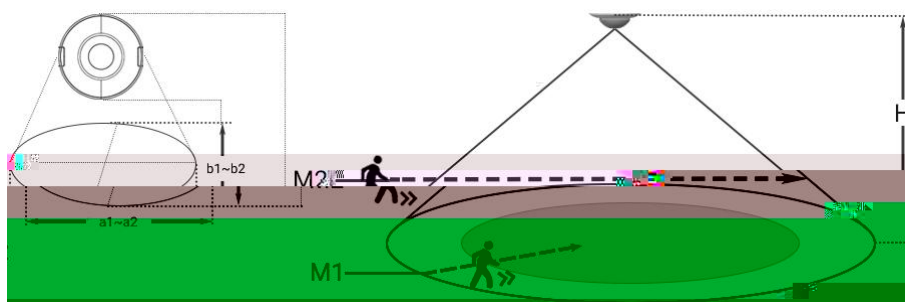
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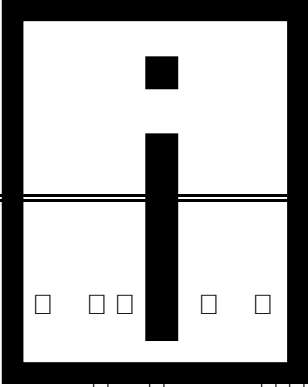
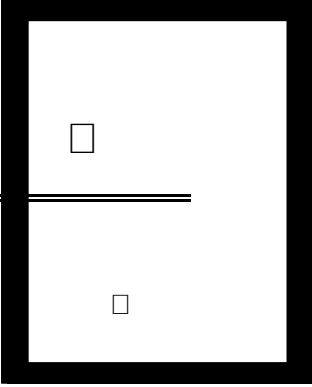
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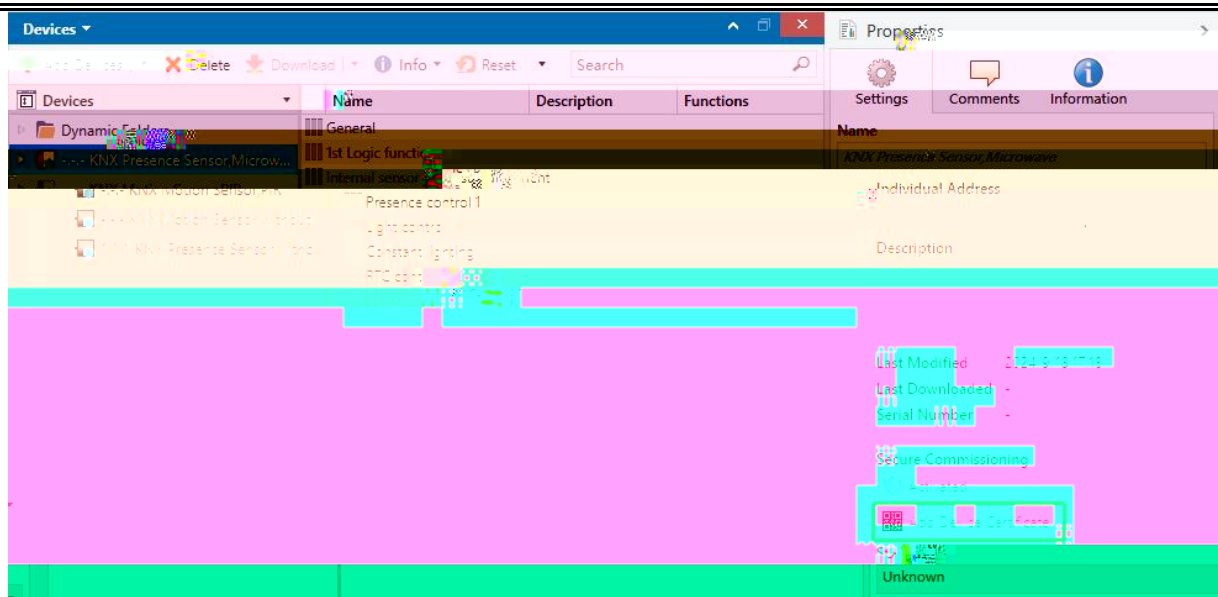
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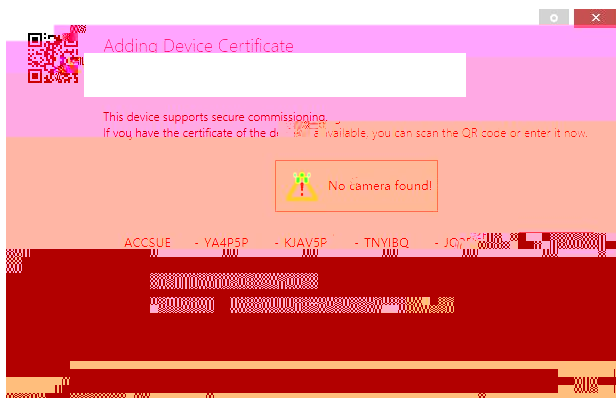
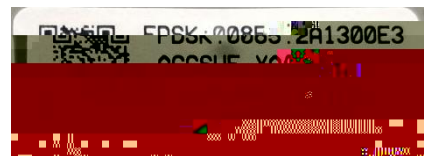
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RTC function

Logic function

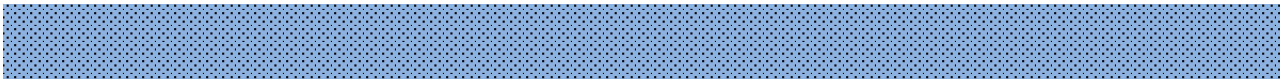
Scene group function

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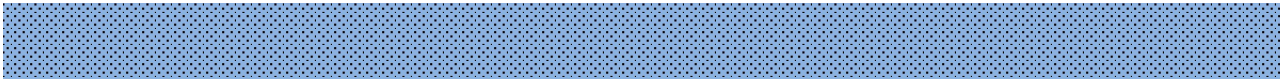
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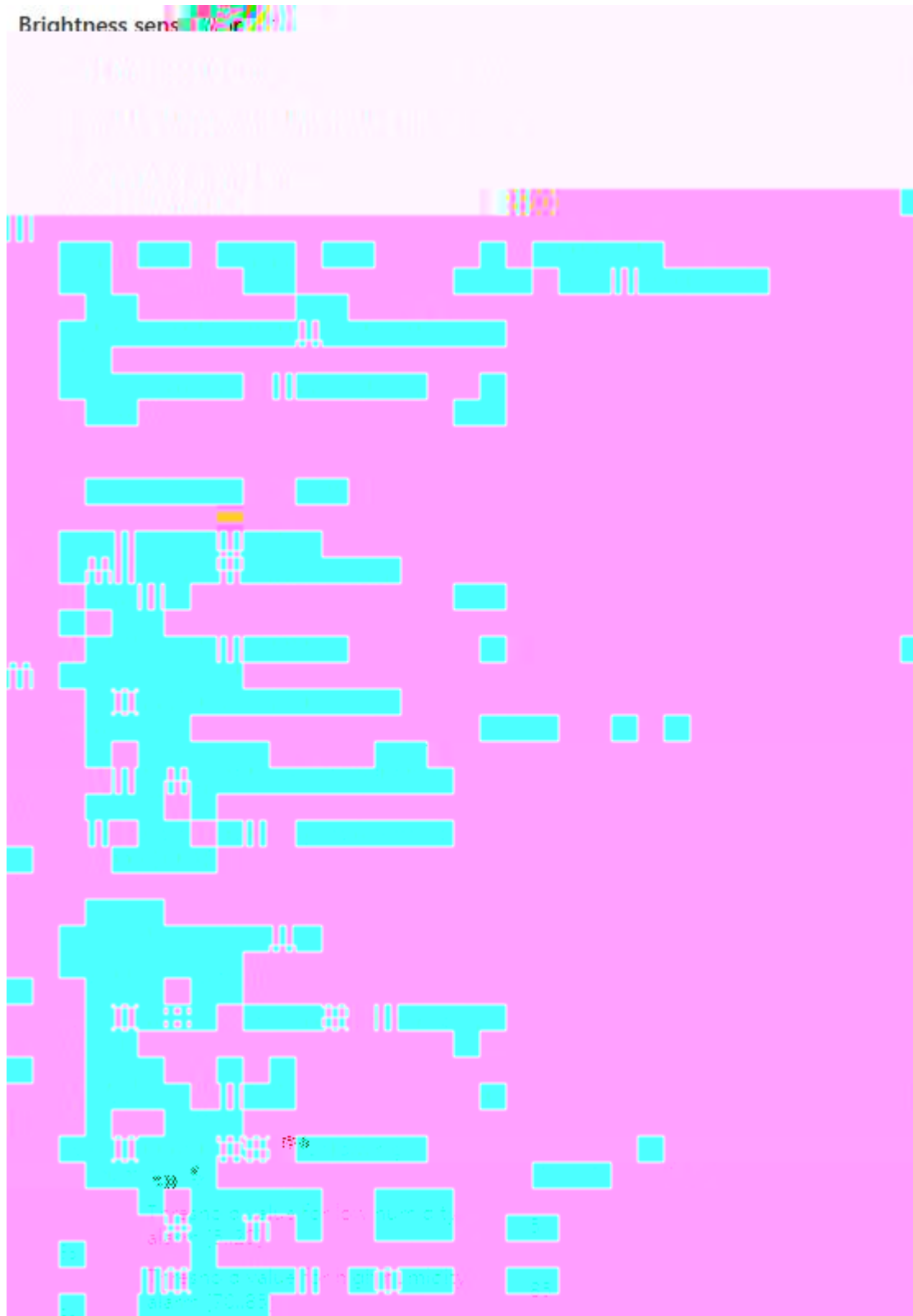


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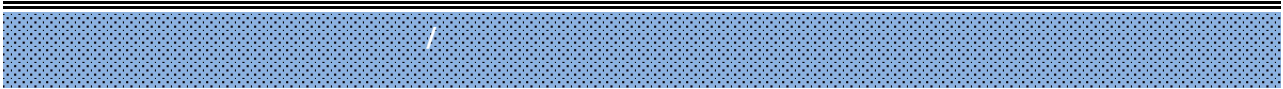


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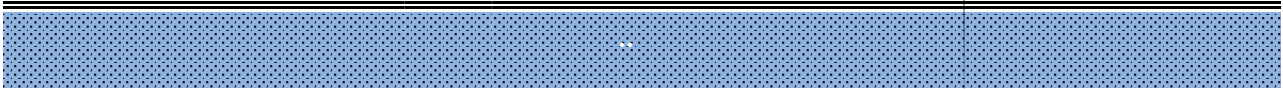
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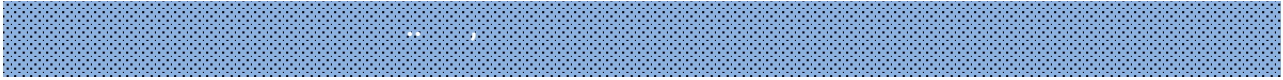
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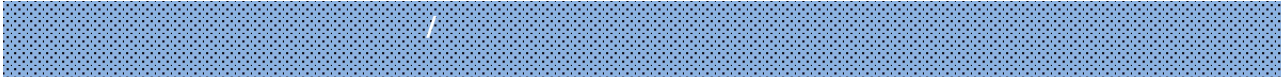


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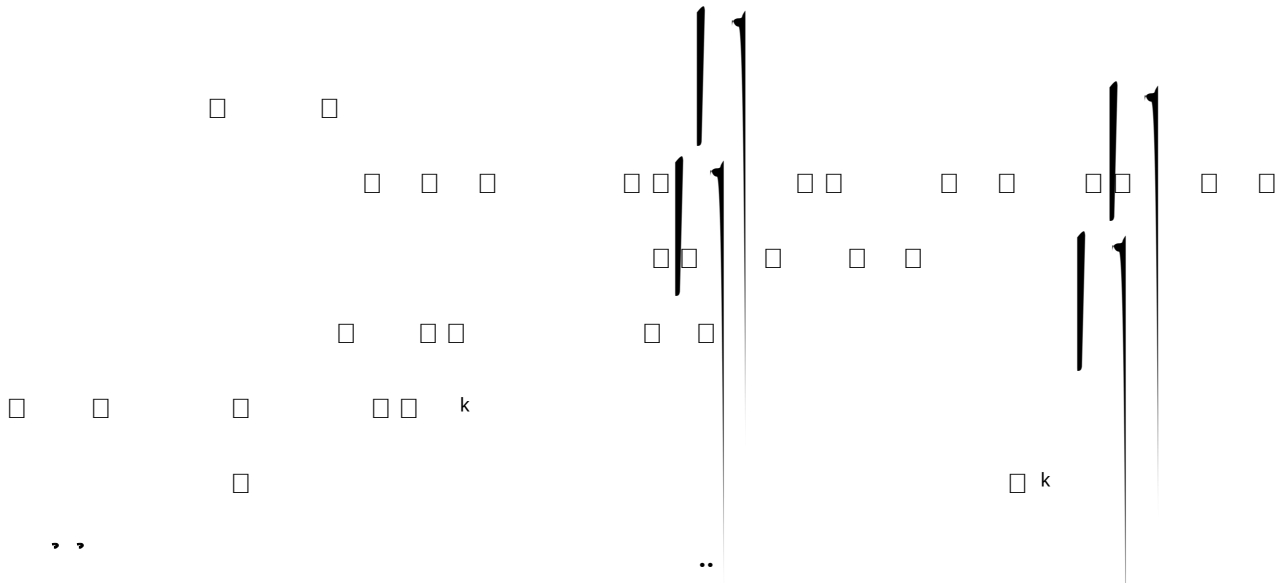


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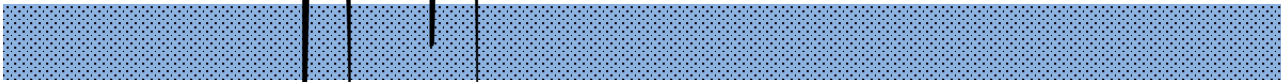
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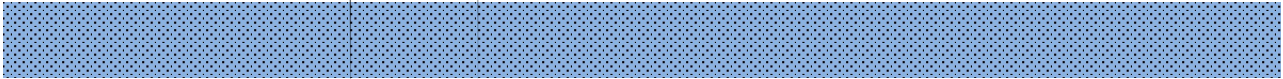
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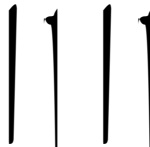
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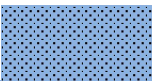
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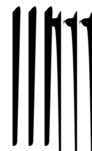
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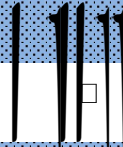
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Detector depending on brightness ☒



Detector can be indexed ☒

Brightness via bus

Brightness reference from

External only

Period for request external sensor
[0..255]

5

min

Brightness threshold for presence
evaluation [1..2000]

300

lux

Hysteresis of brightness threshold

50

lux

Evaluation time when the brightness
exceed "Threshold+Hysteresis"

2

min

Brightness threshold can be changed via
bus ☒



Overwrite changed threshold during
download ☒



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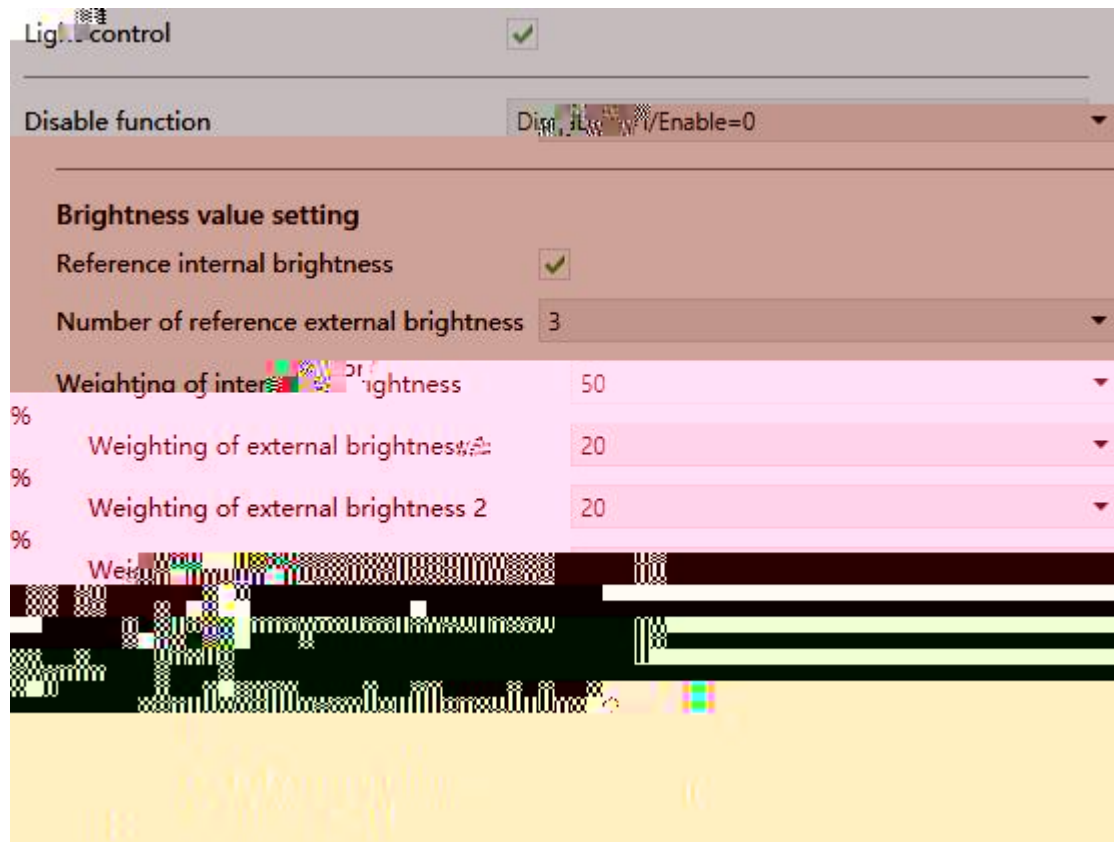
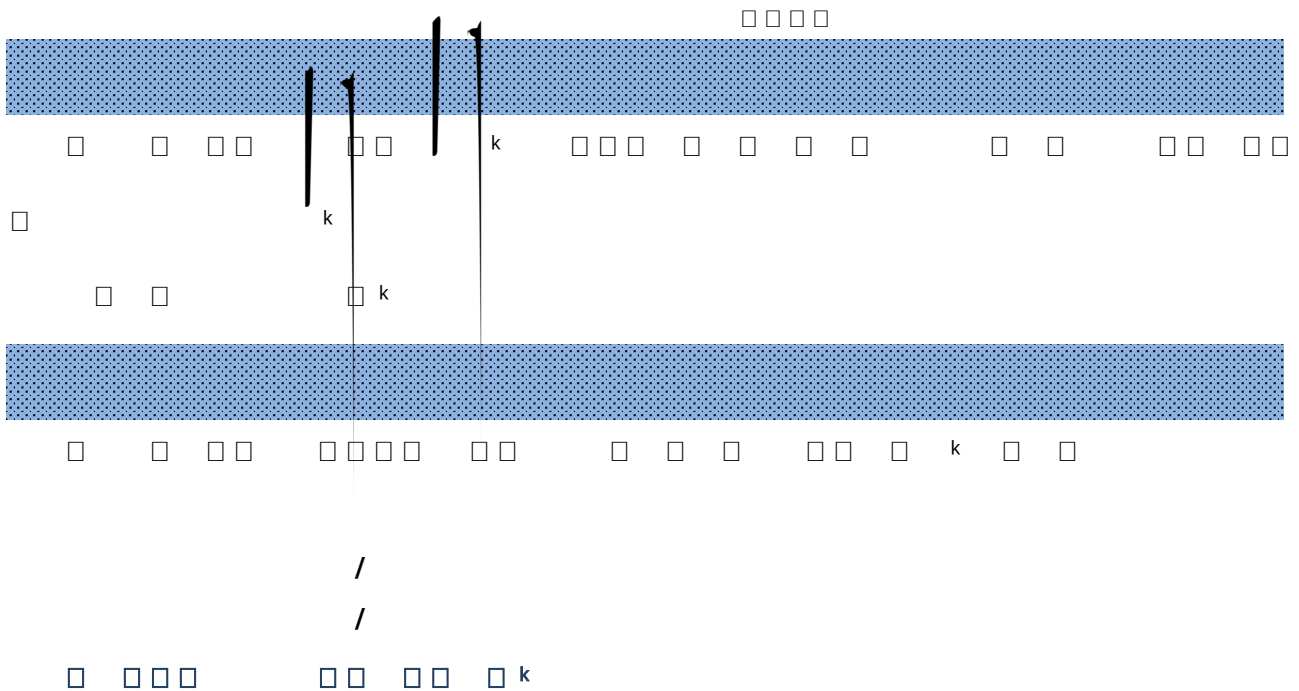
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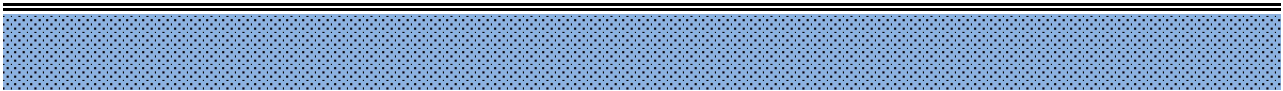
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Lower threshold [1..2000]	200	lux
Upper threshold [50..2000]	400	lux
Threshold can be changed via bus	☒	
Overwrite changed threshold during download	☒	
Threshold behaviour	☒ Without hysteresis ☐ With hysteresis	
Object datatype of output	☒ 1bit[On/Off] ☐ 1byte[scene number]	
If brightness < Lower, send (at day)	ON	
If brightness < Lower, send (at night)	ON	
Delay time for sending [0..255]	0	s
If Lower ≤ brightness ≤ Upper, send (at day)	No telegram	
If Lower ≤ brightness ≤ Upper, send (at night)	No telegram	
Delay time for sending [0..255]	0	s
If brightness > Upper, send (at day)		
If brightness > Upper, send (at night)		

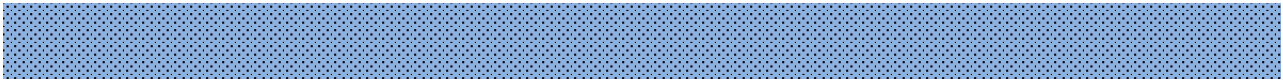
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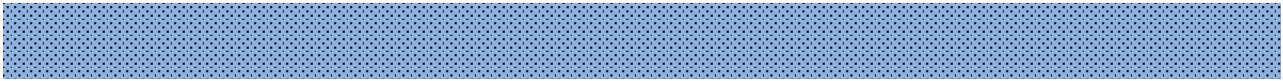


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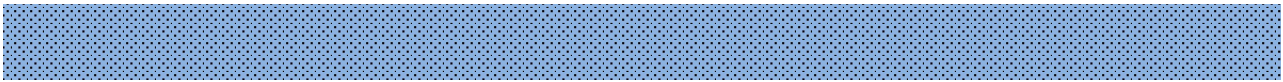


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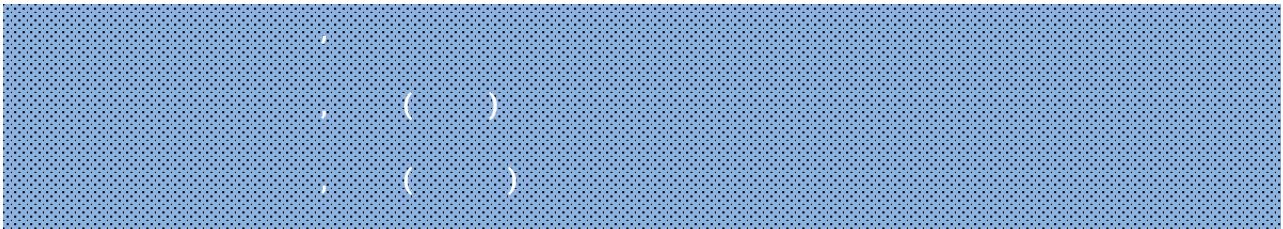
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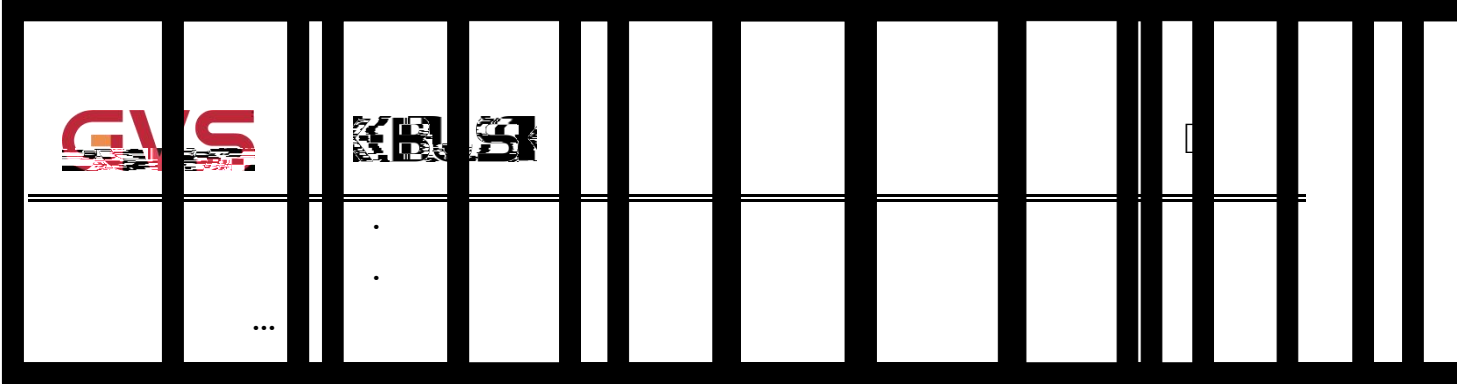
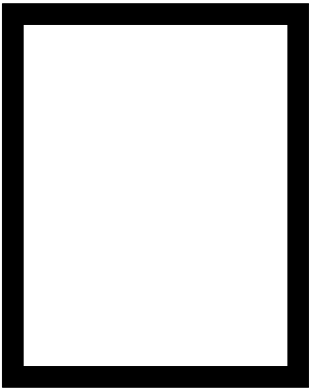
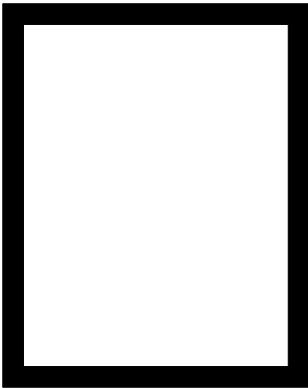


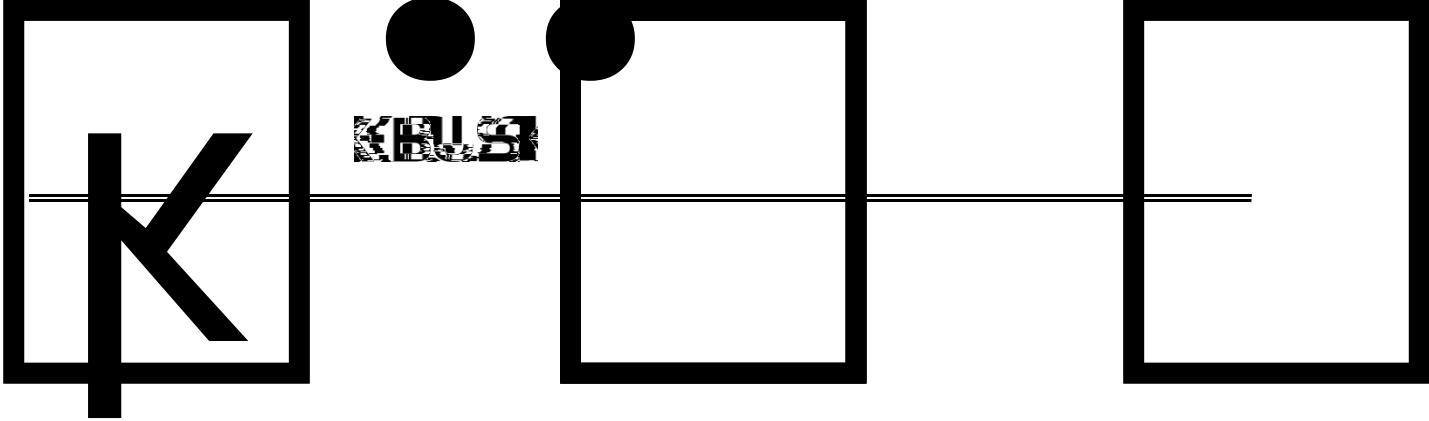
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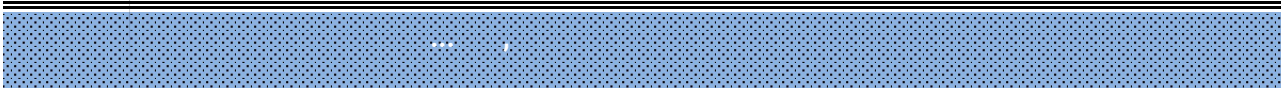
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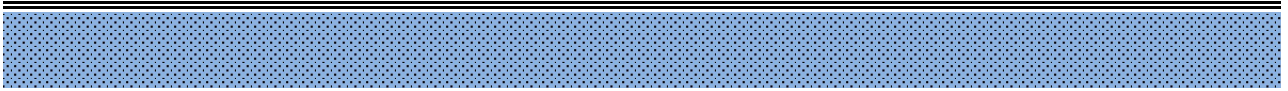




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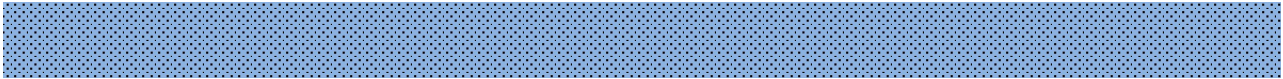
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Room temperature reference from	Internal sensor combine with External sensor
Combination ratio	50% Internal to 50% External
Time period for request room temperature sensor [0..255]	10 min
Send temperature when the result change by	1.0K
Cyclically send temperature [0..255]	0
Control value after temp. error[0..100] (if 2-point control, set value '0'=0, set value '>0'=1)	0
Room temperature control mode	Heating and Cooling
Heating/Cooling switchover	☒ Via object ☐ Automatic changeover
Heating/Cooling status after download	☒ Heating ☐ Cooling
Heating/Cooling status after voltage recovery	As before voltage failure
Room temperature control system	☒ 2 pipes system ☐ 4 pipes system
Operation mode	☒
Controller status after download	Comfort mode
Controller status after voltage recovery	As before voltage failure
Extended comfort mode [0..255,0=inactive]	0 min
Window contact input function ☒	
Delay for window contact [0..65535]	15 s
Controller mode for open window	☐ Economy mode ☒ Frost/heat protection
Bus presence detector function	☒
Trigger telegram of occupied	A of local presence 1 begin
Trigger telegram of unoccupied	F of local presence 1 end

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Trigger telegram of occupied

A of local presence 1 begin

✖ A of local presence 1 begin is no telegram, please active to use controller normally

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Trigger telegram of uncoupled

D of local presence 1 end is no telegram, please active to

✖ D of local presence 1 end is no telegram, please active to

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Setpoint method for operating mode		☐ Relative	☒ Absolute
Base setpoint temperature	20	▼ °C	
Additional setpoint offset for setpoint adjustment	Disable	☐ Enable	
Step of setpoint offset	☐ 0.5K	☒ 1K	
Min. setpoint offset [-10..0]	-5	↕ K	
Max. setpoint offset [0..10]	5	↕ K	
Automatic H/C mode change over dead zone (only for comfort mode)			
Upper dead zone	2	▼ K	
Lower dead zone	2	▼ K	
Heating			
Reduced heating in standby mode [0..10]	2	▼ K	
Reduced heating in economy mode [0..10]	4	▼ K	
In frost protection mode			
Setpoint temperature protection mode	1	▼ K	
In standby mode			
Unpressurized cooling [0..10]	4	▼ K	
In economy mode			
Setpoint temperature protection mode	1	▼ K	
Temperature in heat [30..37]	35	▼ °C	
Temperature [5..37]	10	▼ °C	
Temperature [5..37]	32	▼ °C	

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Setpoint method for operating mode

☐ Relative ☒ Absolute

Heating

Setpoint temperature in comfort mode [5..37]

21

°C

Setpoint temperature in standby mode [5..37]

19

°C

Setpoint temperature in economy mode [5..37]

17

°C

Setpoint temperature in frost protection mode [5..10]

7

°C

Cooling

Setpoint temperature in comfort mode [5..37]

23

°C

Setpoint temperature in standby mode [5..37]

25

°C

Setpoint temperature in economy mode [5..37]

27

°C

Setpoint temperature in heat protection mode [30..37]

35

°C

Note: The heating setpoint must be always less than the cooling setpoint.

Min. setpoint temperature [5..37]

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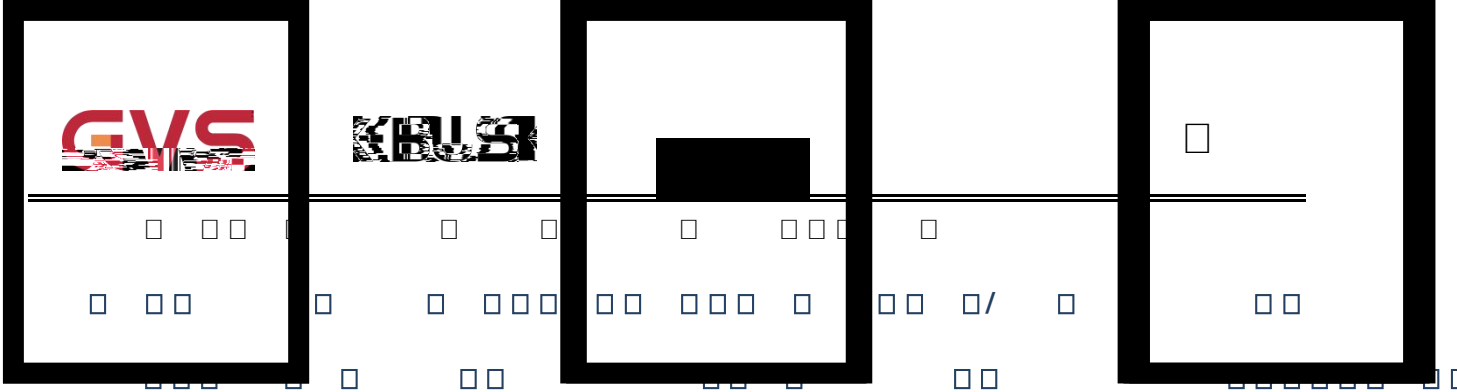
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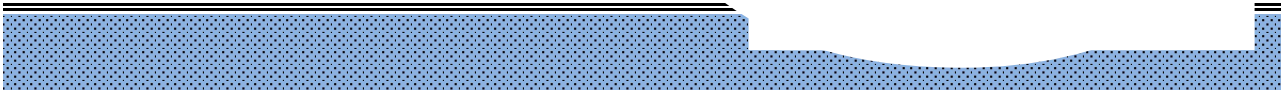
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✖ The setpoint is less than minimum,so minimum will regard as setpoint in fact

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✖ The setpoint is greater than maximum, so maximum will regard as setpoint in fact

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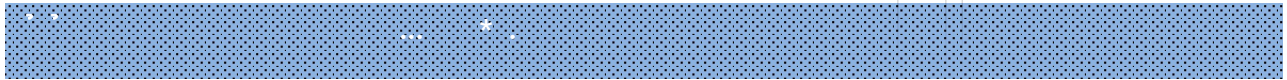
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Type of heating/cooling control	Switching on/off(use 2-point control)	
Invert control value	☐ No ☒ Yes	
Heating		
Lower Hysteresis [0..200]	10	*0.1K
Upper Hysteresis [0..200]	10	*0.1K
Cooling		
Lower Hysteresis [0..200]	10	*0.1K
Upper Hysteresis [0..200]	10	*0.1K
Cyclically send control value [0..255]	10	min
Additional heating/cooling		
Control	☒ 1bit ☐ 1byte	
Invert control value	☒	
Temperature difference to switch on additional heating [-100..5]	-25	*0.1K
Hysteresis to switch off additional heating [-20..1]	-5	*0.1K
Temperature difference to switch on additional cooling [5..100]	25	*0.1K
Hysteresis to switch off additional cooling [1..20]	5	*0.1K
Cyclically send control value [0..255]	0	min

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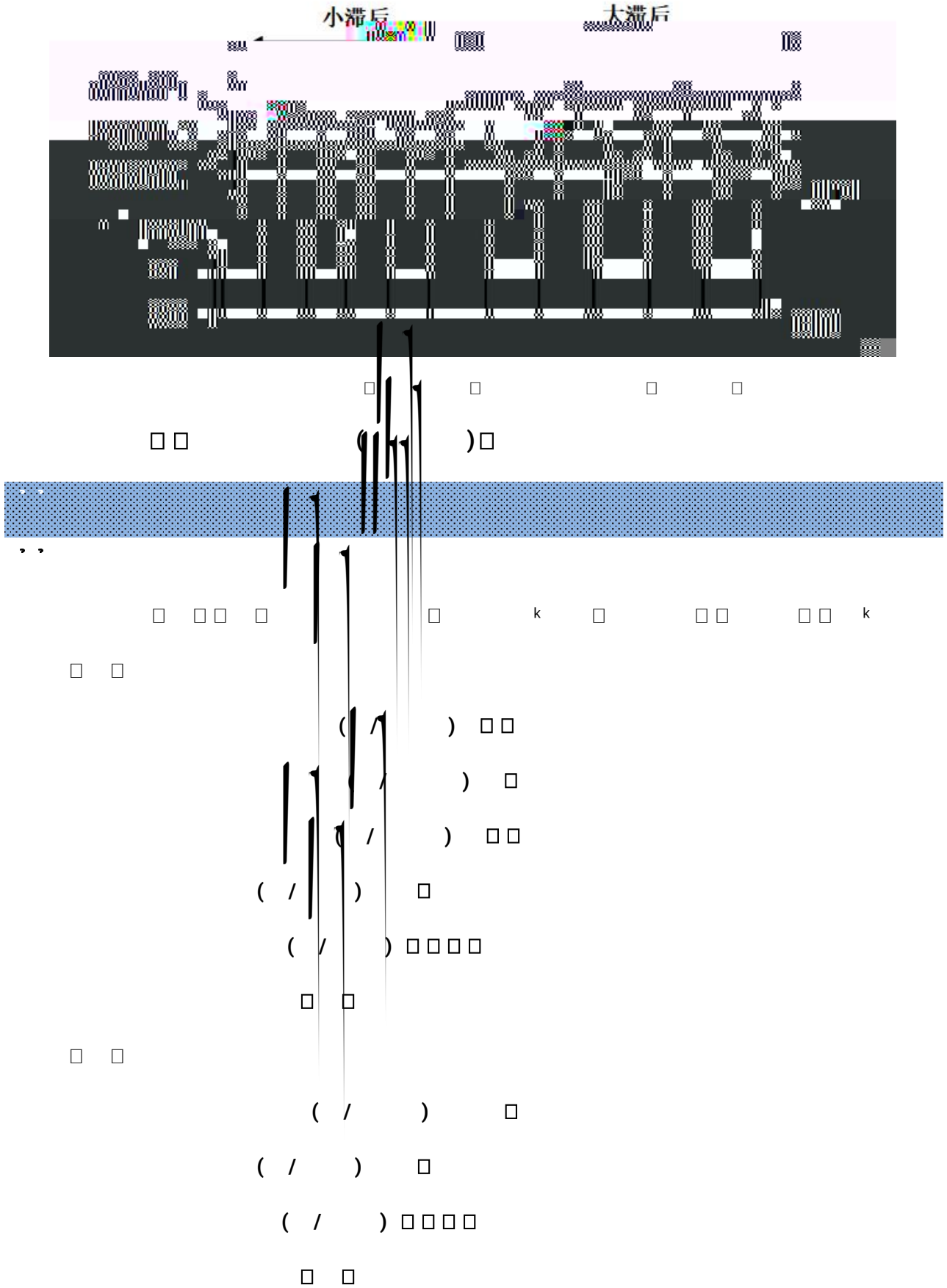
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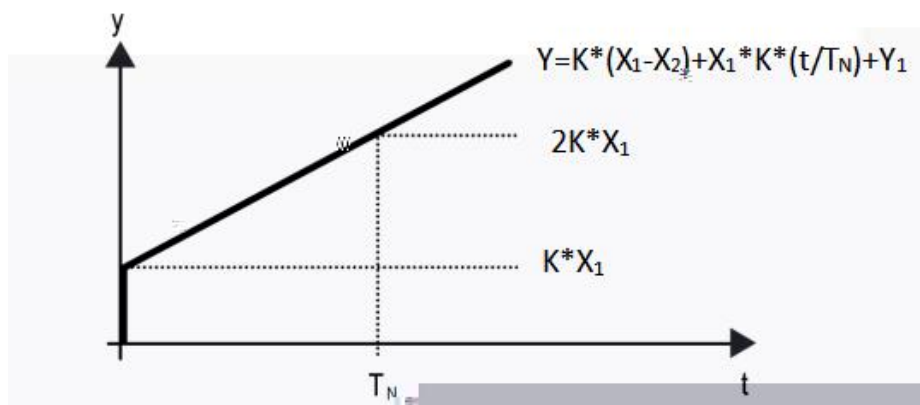
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Auto. operation on object value

☒ Auto=1/Man.=0 ☐ Auto=0/Man.=1

Fan speed output setting

Object datatype of 1byte fan speed

☒ Fan stage (DPI 5.100) . .

Percentage (CPT 5.001)

Output value for fan speed high

- but object function for fan speed

' b t object for fan speed off

Threshold value speed OFr <--> low
[1,255]

20

Threshold value speed low<-->medium

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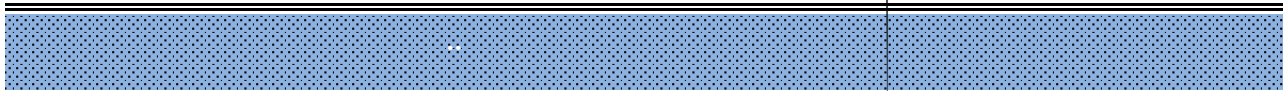
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Description for logic function

Function of channel

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Description Logic function

Function of channel

Threshold comparator

Threshold value

Threshold value (Default: 0.00)

Threshold value

0

If Object value < Threshold value

Do not send telegram

If Object value = Threshold value

Do not send telegram

If Object value = Threshold value

Do not send telegram

If Object value > Threshold value

Do not send telegram

If Object value

Do not send telegram
(Default: 0.00)

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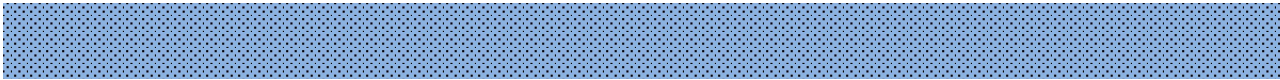
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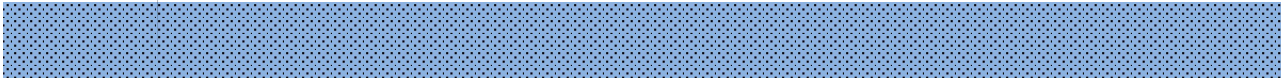
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Description for logic function

Function of channel

Function

Output send when

Format convert

2x1Bit-->1x2Bit

☒ Receiving a new telegram

- Every change of output object

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Description for logic full ac n

Function of channel

Gate function

Object type of Input/Output

1bit[On/Off]

Filter function

Deactivate

Value output

☐ Normal

☐ Inverted

Object value

☐ Normal

☐ Inverted

Gate status after voltage recovery

☐ Disable

☐ Enable

Save input signal when gate close

☐ No

☐ Yes

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Description for logic function

Function of channel

Delay function ▾

Object type of Input/Output

1bit[On/Off] ▾

Delay time [0.65] s

10 s

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Description for logic function

Function of channel

Staircase lighting ▾

Trigger value

1 ▾

Object type of output

☒ 1bit ☐ 1byte

Duration time of start



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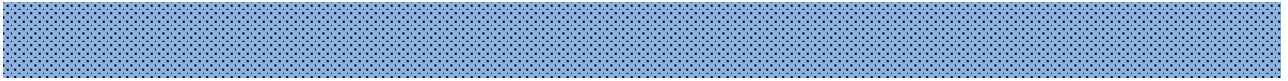
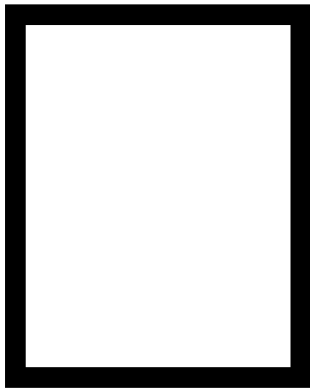
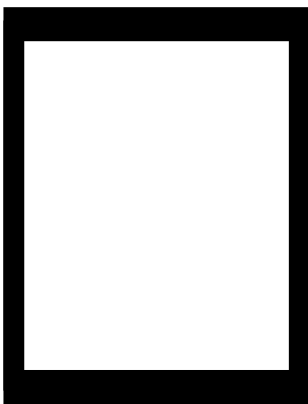
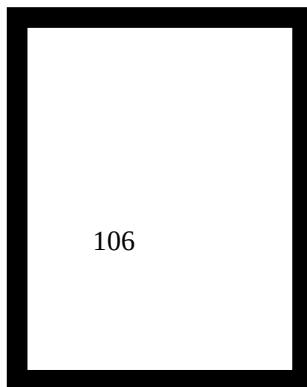
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Scene Group 1 Function



Scene Group 2 Function



Scene Group 3 Function



Scene Group 4 Function



Scene Group 5 Function



Scene Group 6 Function



Scene Group 7 Function



Scene Group 8 Function



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Output 1 Function



Output 2 Function



Output 3 Function



Output 4 Function



Output 5 Function



Output 6 Function



Output 7 Function



Output 8 Function



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Description for Output 1 function

Object type of Output 1

1bit

1->Output 1 trigger scene NO. is
[1~64,0=inactive]

0

Object value of Output 1

☒ 0 ☐ 1

Delay time for sending [0..255]

0 *0.1s

2->Output 1 trigger scene NO. is
[1~64,0=inactive]

0

Object value of Output 1

☐ 0 ☐ 1

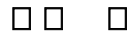
Delay time for sending [0..255]

0 *0.1s

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Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
3	Internal sensor	Brightness value			2 bytes	C	R	-	T	-	lux (Lux)	Low
4	Internal sensor	Brightness correction[-500..500]			2 bytes	C	-	W	-	-	lux (Lux)	Low
5	Internal sensor	Temperature value			2 bytes	C	R	-	T	-	temperature (°C)	Low
8	Internal sensor	Humidity value										

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Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
149	Presence control 1	Slave output			1 bit	C	R	-	T	-	switch	Low
158	Presence control 1	End presence (only off telegram)			1 bit	C	-	W	-	-	switch	Low
159	Presence control 1	End presence (only off telegram)			1 bit	C	-	W	-	-	switch	Low

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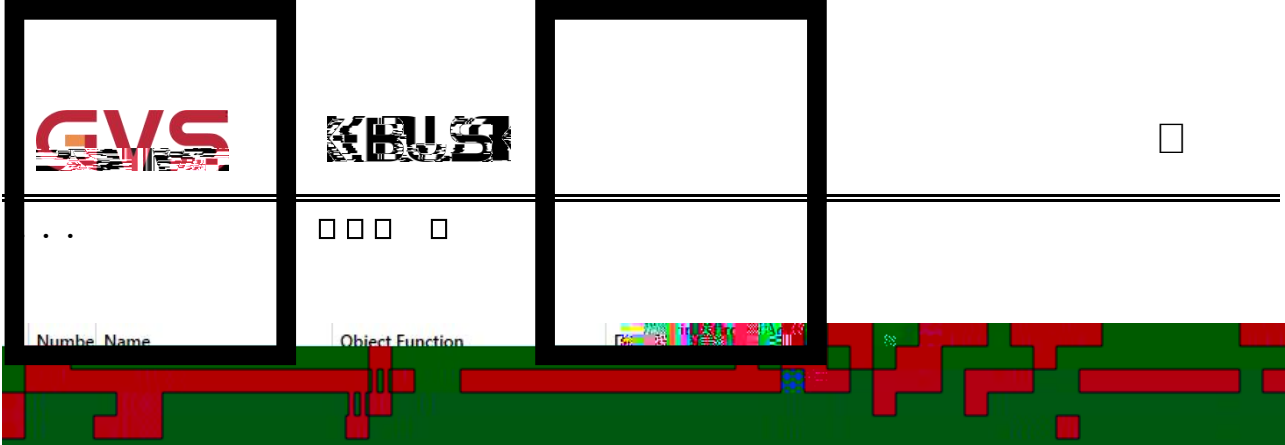
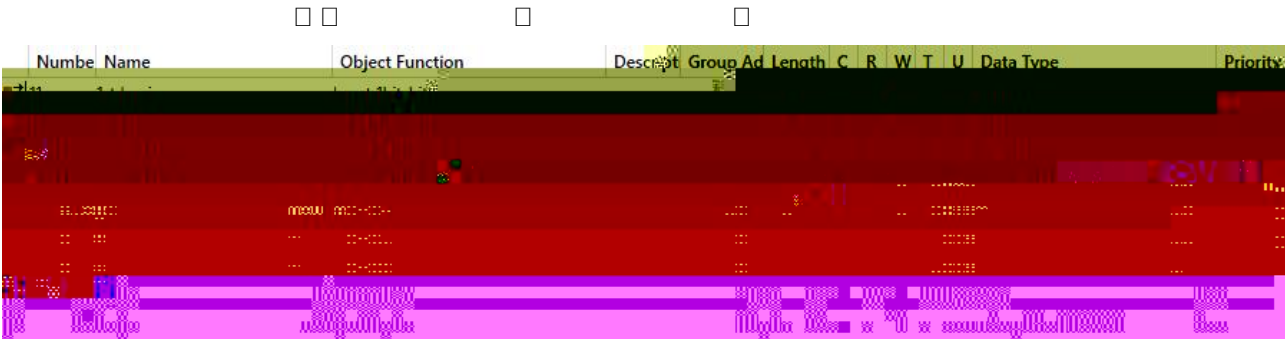
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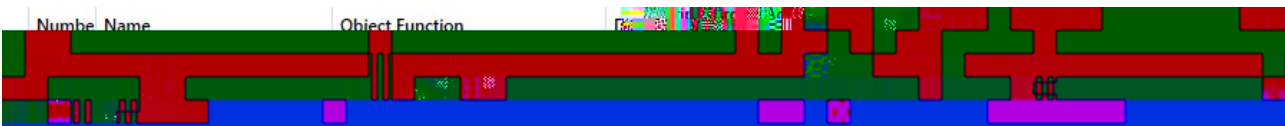
Number	Name	Object Function	Description	Group	Access	Length	C	R	W	T	U	Data Type	Priority
11	1st Logic	Threshold value input				4 bit	C	-	W	-	U	dimming control	Low
11	1st Logic	Threshold value input				1 byte	C	-	W	-	U	counter pulses (0..255)	Low
11	1st Logic	Threshold value input				2 bytes	C	-	W	-	U	pulses	Low
11	1st Logic	Threshold value input				2 bytes	C	-	W	-	U	2-byte signed value	Low
11	1st Logic	Threshold value input				2 bytes	C	-	W	-	U	2-byte float value	Low
11	1st Logic	Threshold value input				4 bytes	C	-	W	-	U	counter pulses (unsigned)	Low
11	1st Logic	Threshold value input				2 bytes	C	-	W	-	U	temperature (°C)	Low
11	1st Logic	Threshold value input				2 bytes	C	-	W	-	U	humidity (%)	Low
11	1st Logic	Threshold value input				2 bytes	C	-	W	-	U	lux (Lux)	Low
19	1st Logic	Logic result				1 bit	C	-	-	T	-	boolean	Low

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Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priority
11	1st Logic	Input 1byte			1 byte	C	-	W	-	U	counter pulses (0..255)	Low
19	1st Logic	Output 2byte			2 bytes	C	-	-	T	-	pulses	Low

Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priority
11	1st Logic	Input 1byte-low			1 byte	C	-	W	-	U	counter pulses (0..255)	Low
12	1st Logic	Input 1byte-high			1 byte	C	-	W	-	U	counter pulses (0..255)	Low
19	1st Logic	Output 2byte			2 bytes	C	-	-	T	-	pulses	Low





Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priori
18	Logic	Input 2byte			2 bytes	C	-	W	-	U	pulses	Low
18		Output 1byte-low			1 byte	C	-	-	T	-	counter pulses (0.255)	Low
19	1st Logic	Output 1byte-high			1 byte	C	-	-	T	-	counter pulses (0.255)	Low

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Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priori
11	1st Logic	Input 3byte			3 bytes	C	-	W	-	U	RGB value 3x(0.255)	Low
17	1st Logic	Output 1byte-low			1 byte	C	-	-	T	-	counter pulses (0.255)	Low

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Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priori
11	1st Logic	Input 3byte			3 bytes	C	-	W	-	U	RGB value 3x(0.255)	Low
17	1st Logic	Output 1byte-low			1 byte	C	-	-	T	-	counter pulses (0.255)	Low

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Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priori
11	1st Logic	Input 3byte			3 bytes	C	-	W	-	U	RGB value 3x(0.255)	Low
17	1st Logic	Output 1byte-low			1 byte	C	-	-	T	-	counter pulses (0.255)	Low

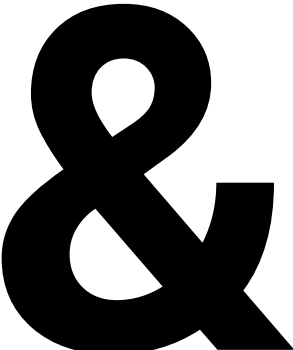
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Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priority
11	1st Logic	Input			1 byte	C	-	W	-	-	boolean	Low

Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priority
12	1st Logic	Gate Input			1 bit	C	-	W	-	-	boolean	Low
13	1st Logic	Output			1 byte	C	-	-	T	-	counter pulses (0..255)	Low

Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priority
11	1st Logic	Input			2 bytes	C	-	W	-	-	boolean	Low

Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priority
11	1st Logic	Input			2 bytes	C	-	W	-	-	boolean	Low

Numbe	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priority

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Number	Name	Object Function	Descript	Group Ad	Length	C	R	W	T	U	Data Type	Priori
11	1st Logic	Trigger value										
19	1st Logic	Output			1 byte	C	-	-	T	-	counter pulses (0..255)	Low



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