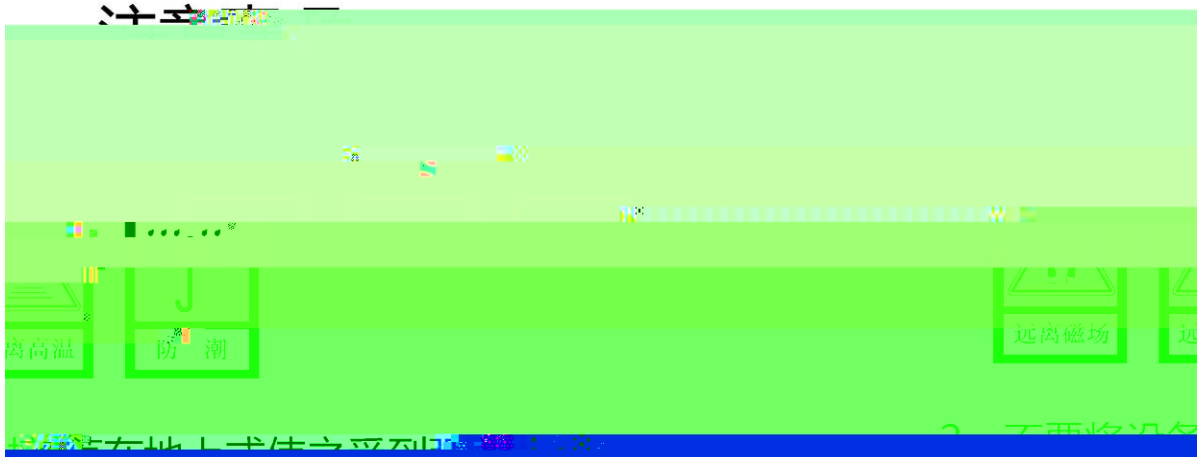
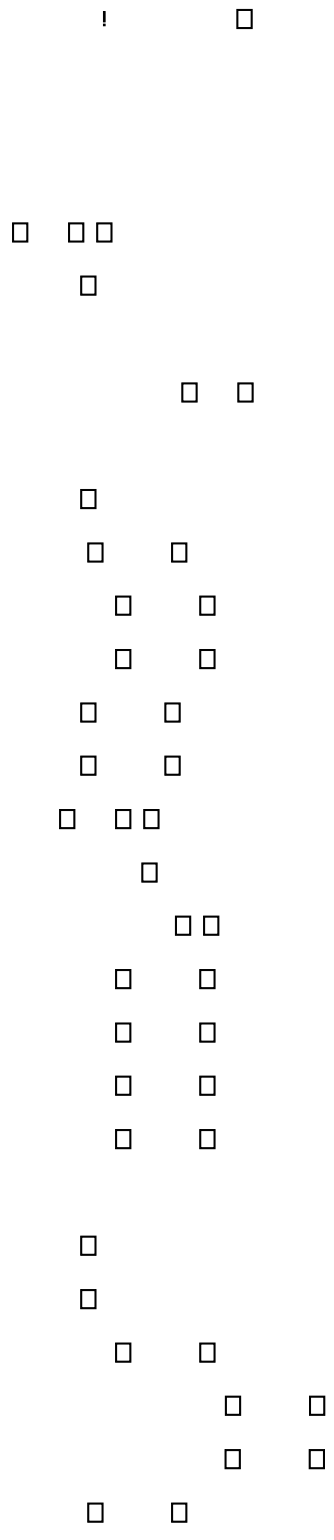






3、不要使用湿布或具挥发性的试剂擦拭设备；





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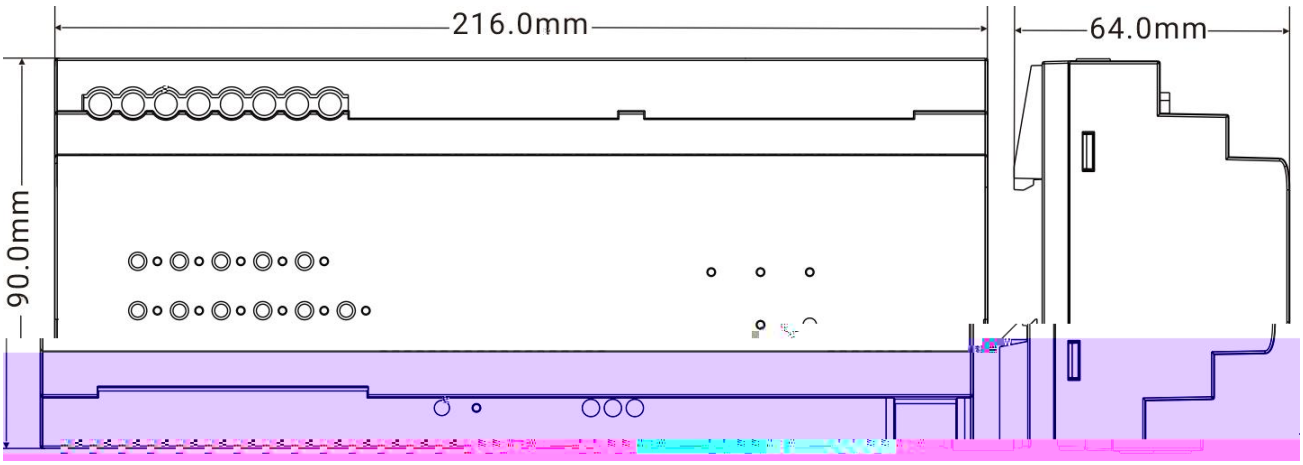
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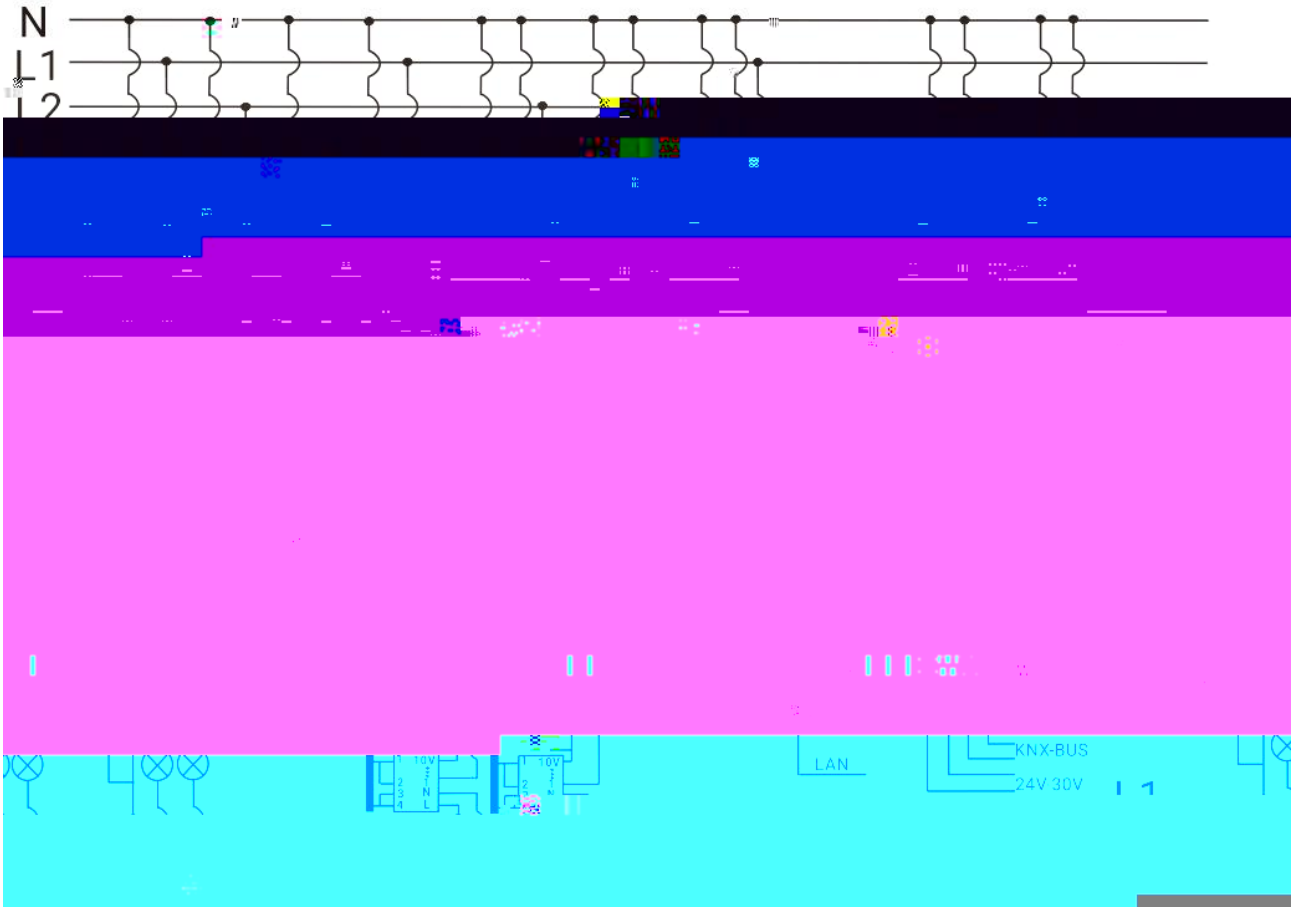
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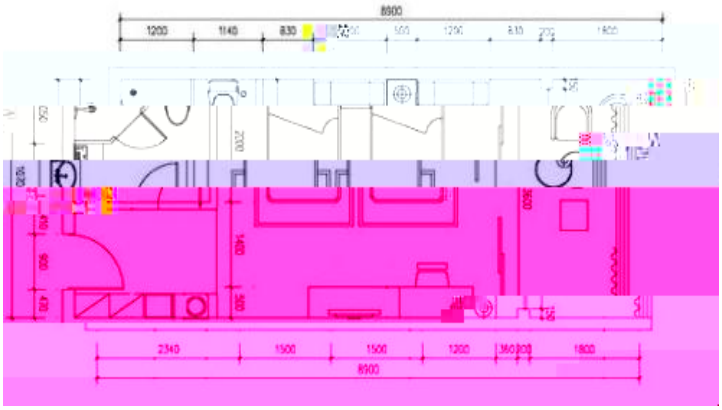
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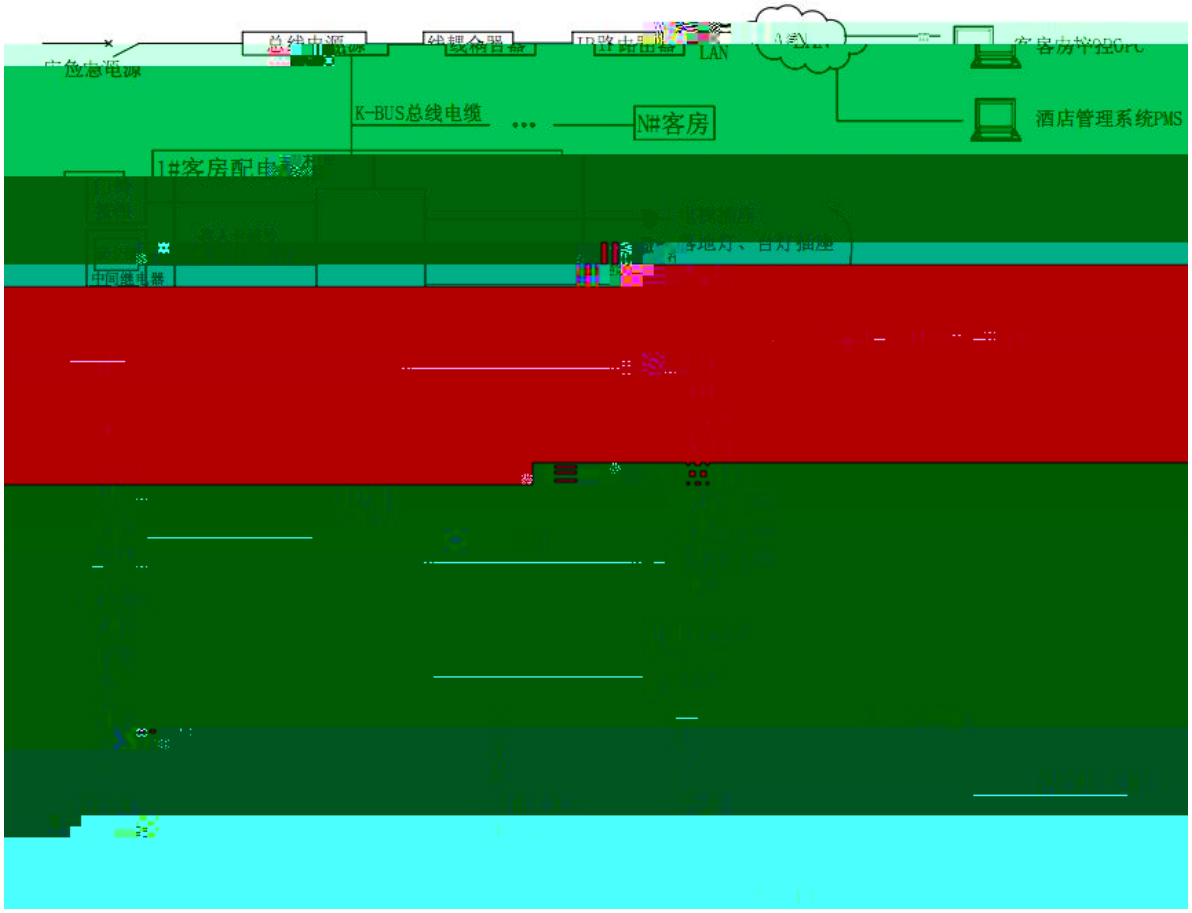
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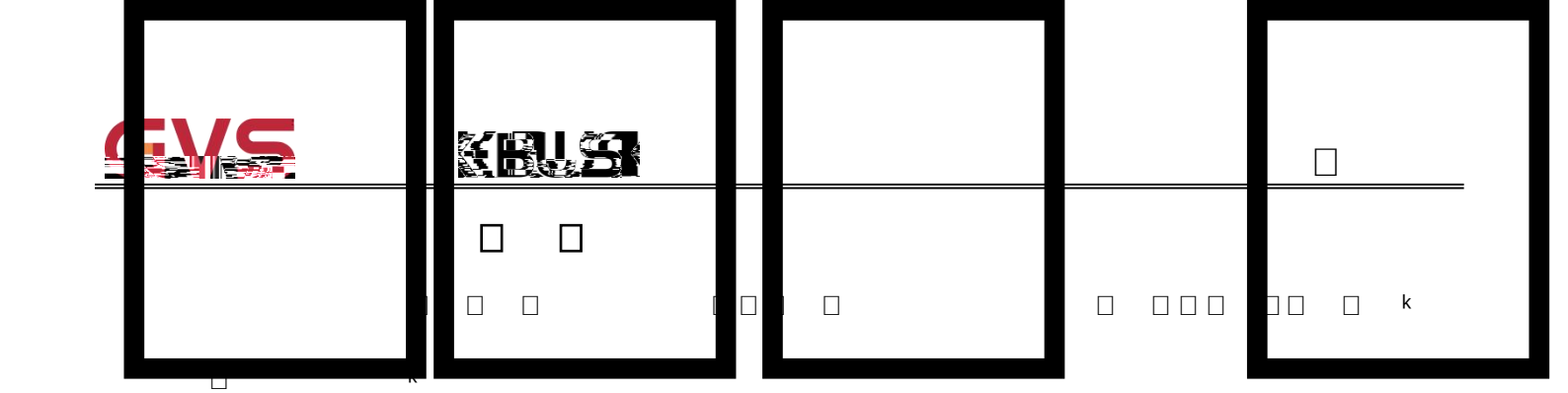
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64.0mm
90.0mm


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L1
L2
LAN
KNX-BUS
24V 30V




总线电源
线耦合器
IP路由器
LAN
客房中控DDC
K-BUS总线电缆
N#客房
酒店管理系统PMS
1#客房配电箱
中间继电器



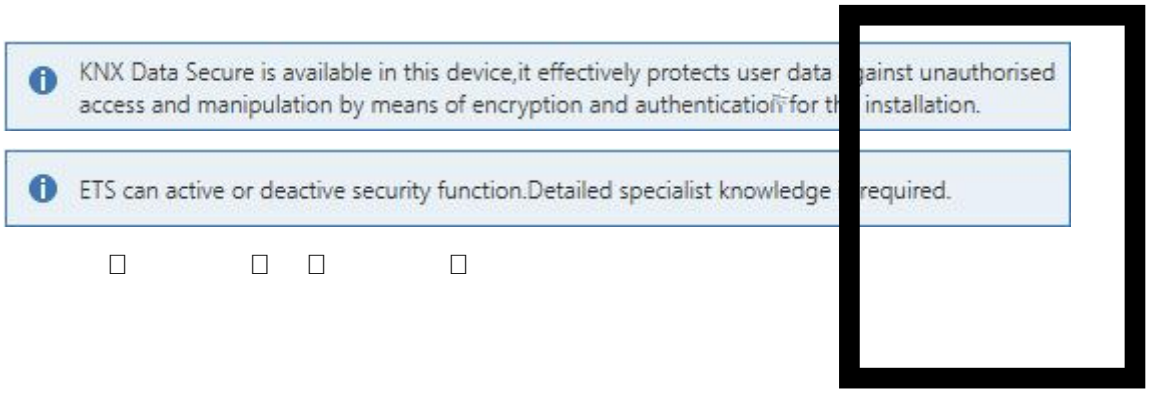
KNX Data Secure

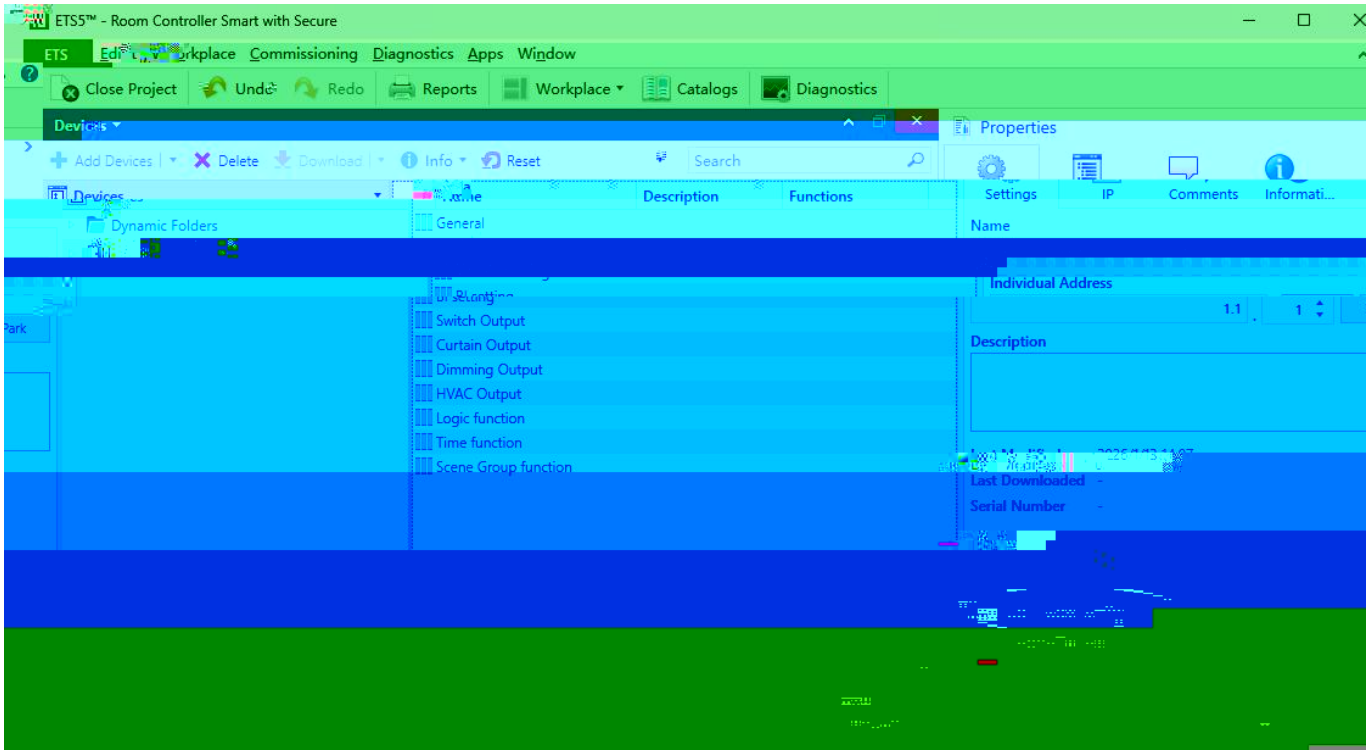
KNX Data Secure is available in this device,it effectively protects user data against unauthorised access and manipulation by means of encryption and authentication for the installation.

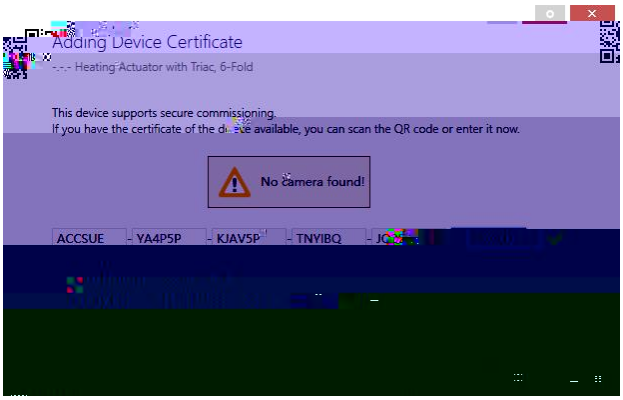
ETS can active or deactive security function.Detailed specialist knowledge is required.

Device certificate

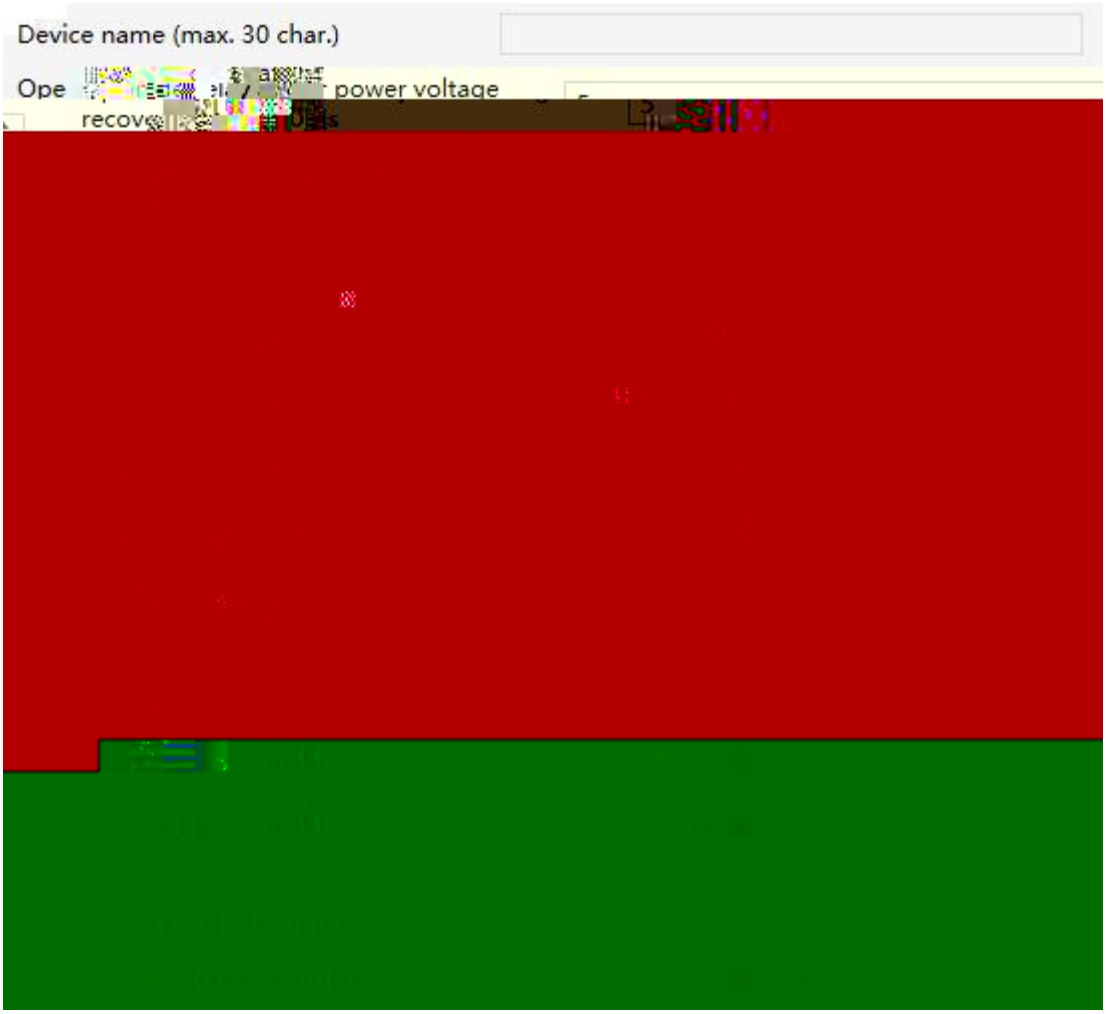
The device certificate label stick called FDSK is attached beside the device,and must use for security function,make sure keep securely.




ETS5™ - Room Controller Smart with Secure
ETS
Close Project
Undo
Redo
Reports
Workplace
Catalogs
Diagnostics
Add Devices
Delete
Download
Info
Reset
Search
Dynamic Folders
General
Description
Functions
Switch Output
Curtain Output
Dimming Output
HVAC Output
Logic function
Time function
Scene Group function
Properties
Settings
IP
Comments
Name
Individual Address
Description
Last Downloaded
Serial Number


Adding Device Certificate
Heating Actuator with Triac, 6-Fold
This device supports secure commissioning.
No camera found!
ACCSUE
YA4P5P
KJAV5P
TNYIBQ




Device name (max. 30 char.)
power voltage

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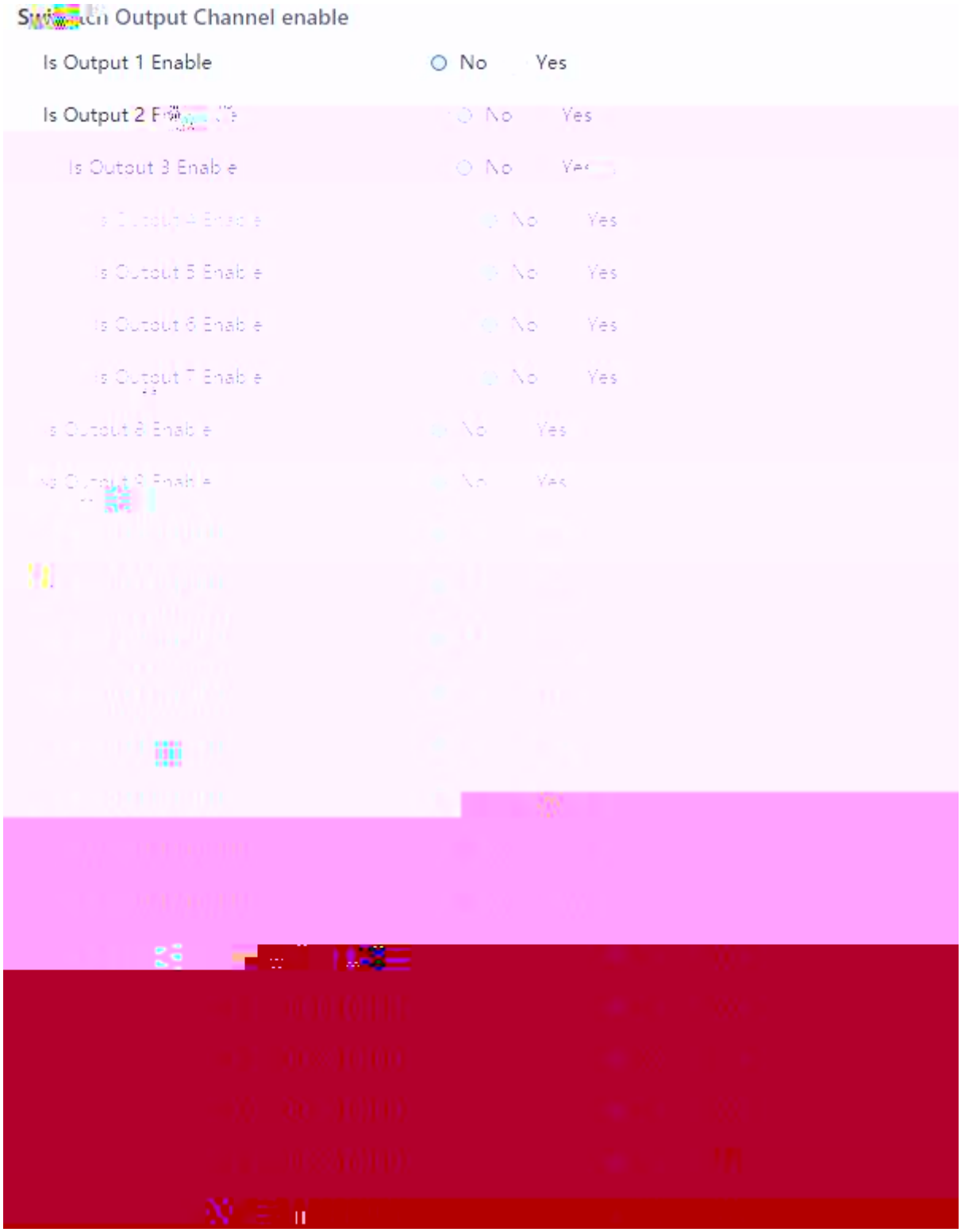
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Switch Output Channel enable
Is Output 1 Enable
No
Yes
Is Output 2 Enable
No
Yes
Is Outout 3 Enable
No
Yes
Is Outout 4 Enable
No
Yes
Is Outout 5 Enable
No
Yes
Is Outout 6 Enable
No
Yes
Is Output 7 Enable
No
Yes
Is Outout 8 Enable
No
Yes
Is Output 9 Enable
No
Yes

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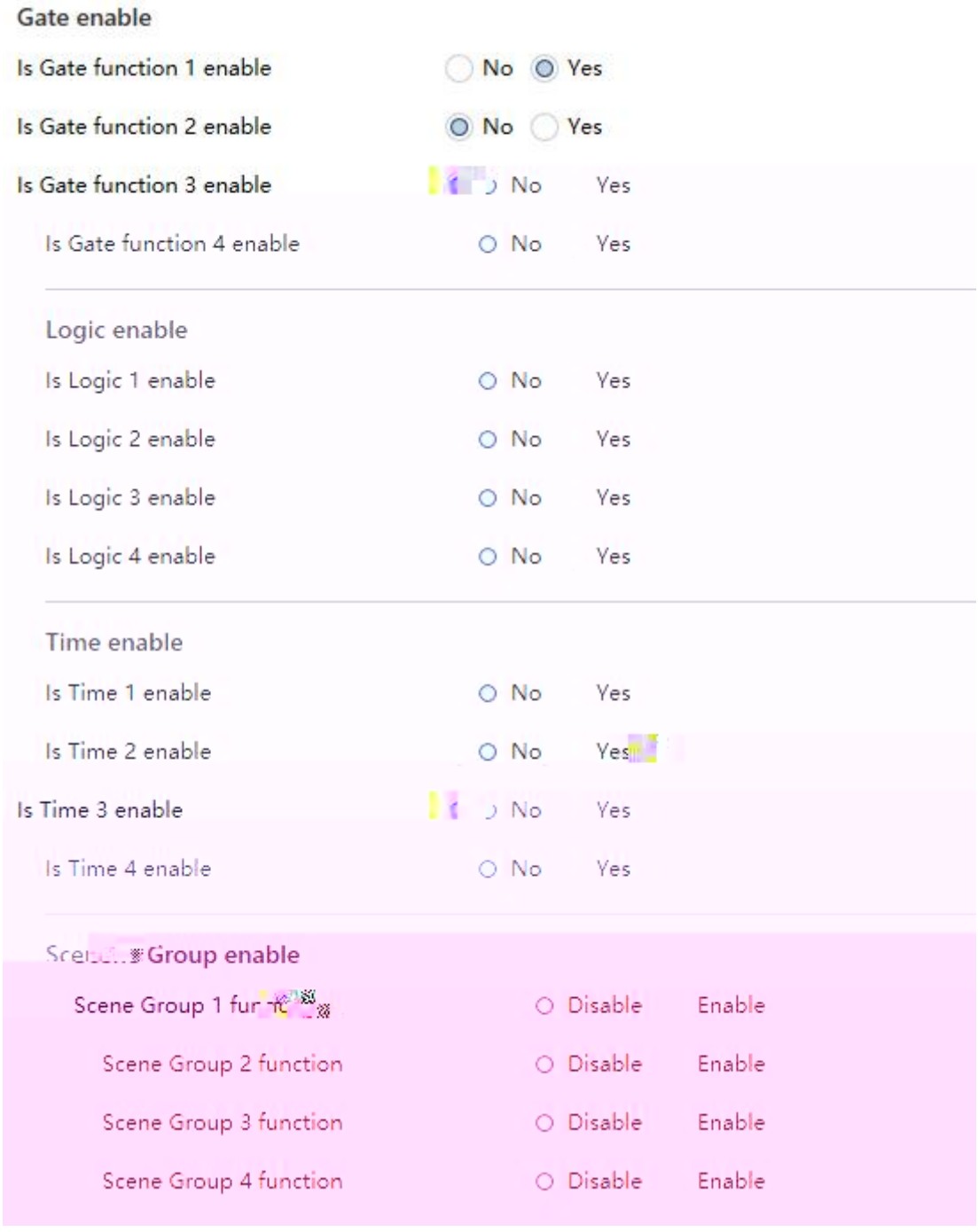
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Gate enable
Is Gate function 1 enable
No
Yes
Is Gate function 2 enable
No
Yes
Is Gate function 3 enable
No
Yes
Is Gate function 4 enable
No
Yes
Logic enable
Is Logic 1 enable
No
Yes
Is Logic 2 enable
No
Yes
Is Logic 3 enable
No
Yes
Is Logic 4 enable
No
Yes
Time enable
Is Time 1 enable
No
Yes
Is Time 2 enable
No
Yes
Is Time 3 enable
No
Yes
Is Time 4 enable
No
Yes
Group enable
Disable
Enable
Scene Group 2 function
Disable
Enable
Scene Group 3 function
Disable
Enable
Scene Group 4 function
Disable
Enable

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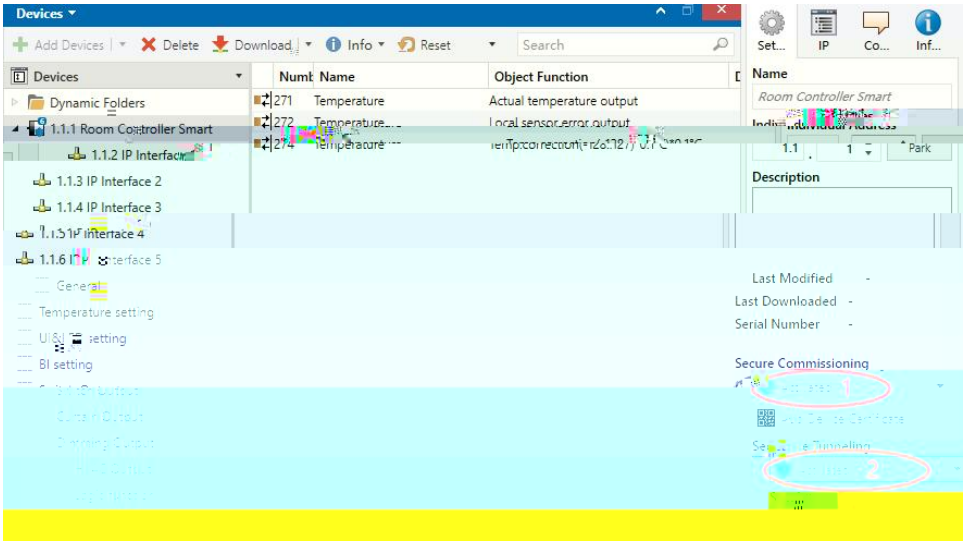
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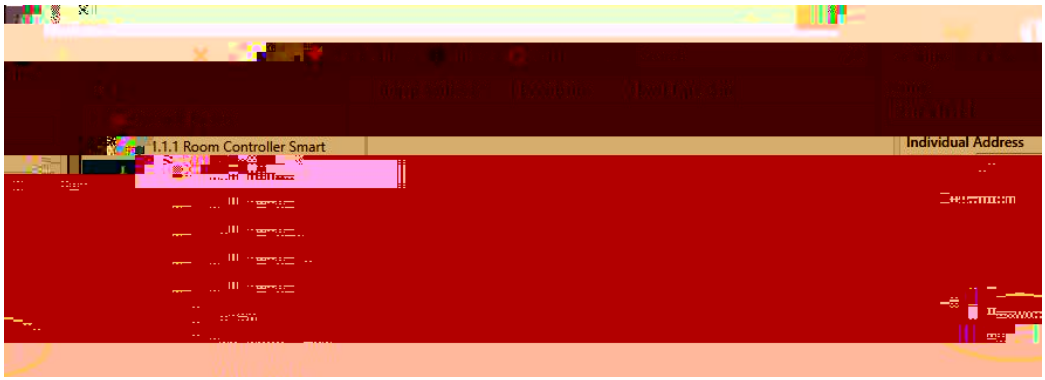
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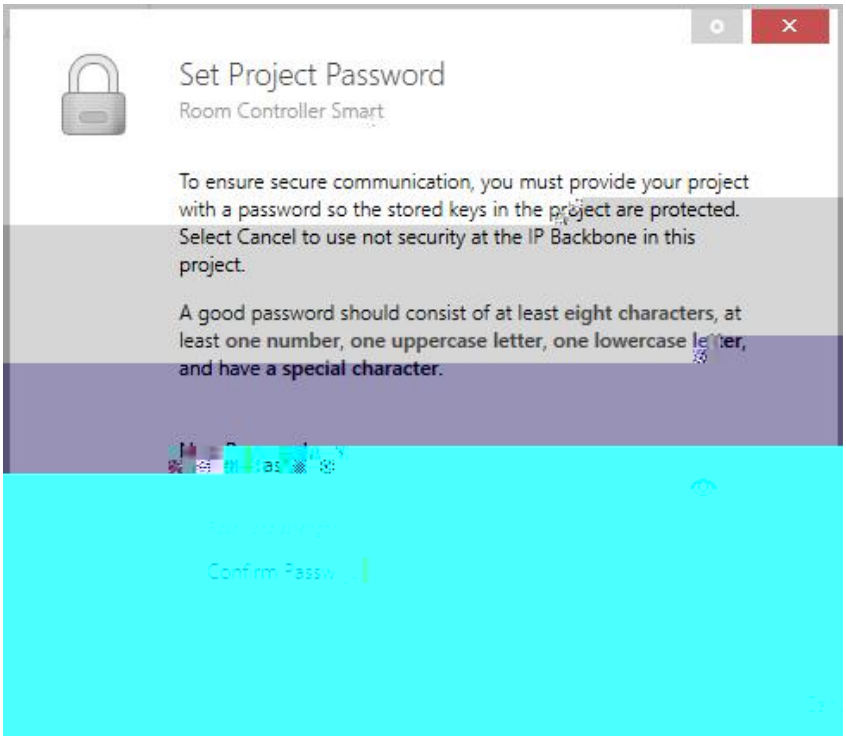
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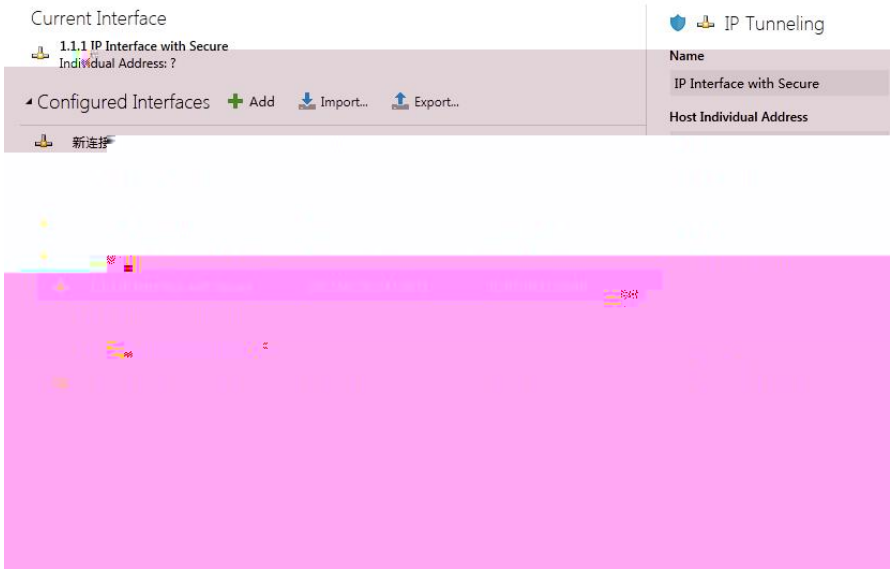
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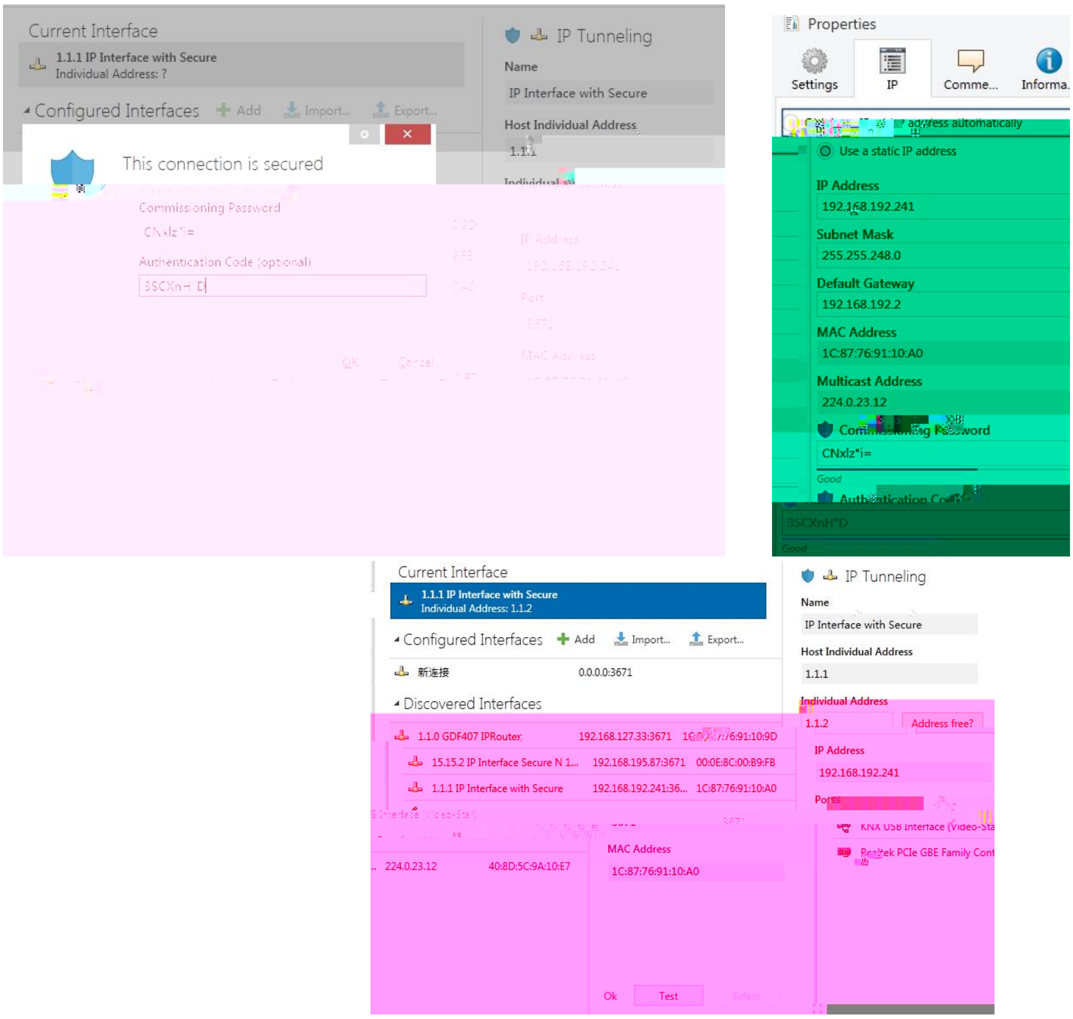
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Devices
Add Devices
Delete
Download
Info
Reset
Search
Devices
Dynamic Folders
1.1.1 Room Controller Smart
1.1.2 IP Interface
1.1.3 IP Interface 2
1.1.4 IP Interface 3
1.1.5 IP Interface 4
1.1.6 IP Interface 5
General
Temperature setting
UI setting
BI setting
Numb
Name
Object Function
271 Temperature
Actual temperature output
272 Temperature...
Local sensor error output
274 Temperature
Set...
IP
Co...
Inf...
Name
Room Controller Smart
Individual Address
1.1
1
Park
Description
Last Modified
Last Downloaded
Serial Number
Secure Commissioning


1.1.1 Room Controller Smart
Individual Address


Set Project Password
Room Controller Smart
To ensure secure communication, you must provide your project with a password so the stored keys in the project are protected. Select Cancel to use not security at the IP Backbone in this project.
A good password should consist of at least eight characters, at least one number, one uppercase letter, one lowercase letter, and have a special character.


Current Interface
1.1.1 IP Interface with Secure
Individual Address: ?
Configured Interfaces
Add
Import...
Export...
新连接
IP Tunneling
Name
IP Interface with Secure
Host Individual Address



Current Interface
1.1.1 IP Interface with Secure
Individual Address: ?
Configured Interfaces
Add
Import...
Export...
This connection is secured
Commissioning Password
Authentication Code (optional)
OK
Cancel
IP Tunneling
Name
IP Interface with Secure
Host Individual Address
Properties
Settings
IP
Use a static IP address
IP Address
192.168.192.241
Subnet Mask
255.255.248.0
Default Gateway
192.168.192.2
MAC Address
1C:87:76:91:10:A0
Multicast Address
224.0.23.12
CNxlz*i=
Good
1.1.1 IP Interface with Secure
Individual Address: 1.1.2
新连接
0.0.0.0:3671
Discovered Interfaces
1.1.0 GDF407 IPRouter
192.168.127.33:3671
15.15.2 IP Interface Secure N 1...
192.168.195.87:3671
00:0E:8C:00:B9:FB
1.1.1 IP Interface with Secure
192.168.192.241:36...
1C:87:76:91:10:A0
1.1.1
Individual Address
1.1.2
Address free?
KNX USB Interface (Video-Sta
224.0.23.12
40:8D:5C:9A:10:E7
Ok
Test

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Function of the channel Switch Sensor

Distinction between long and short operation No Yes

Connect contact type normally closed normally open

Reaction on short operation OFF

Reaction on long operation no action

Delay time [2..50000]*0.1s 100

Long operation after [2..50000]*0.1s 5

Disable=0/Enable=1

Debounce time 50ms

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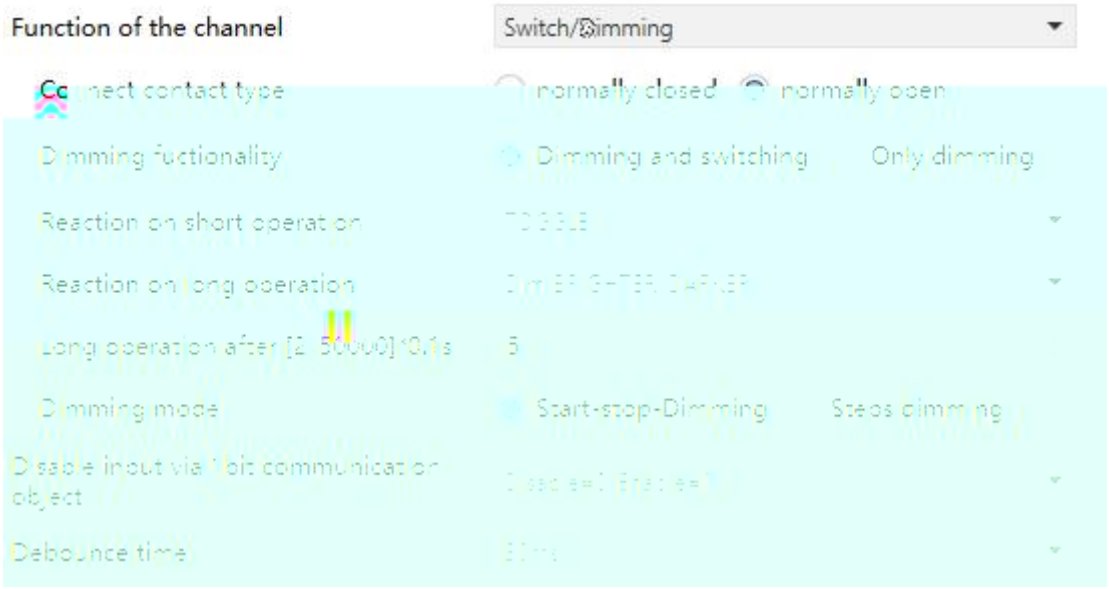
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Function of the channel
Switch/Dimming
Connect contact type
normally closed
normally open
Dimming fuctionality
Dimming and switching
Only dimming
Reaction on short operation
Reaction on long operation
Long operation after [2 - 50000] *0,1s
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Dimming mode
Start-stop-Dimming
Steps dimming
Disable input via 1 bit communication object
Debounce time

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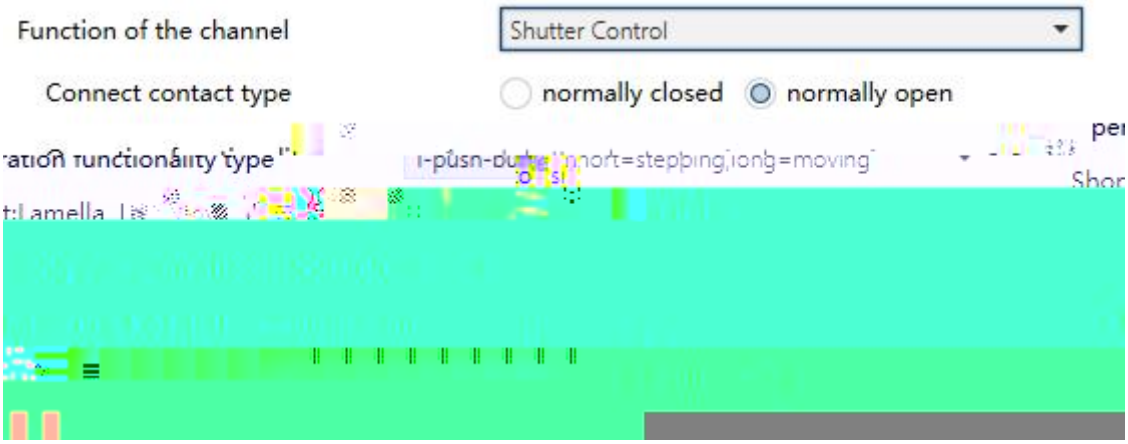
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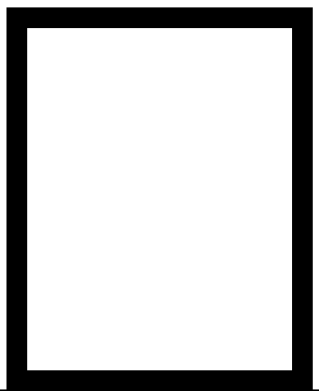
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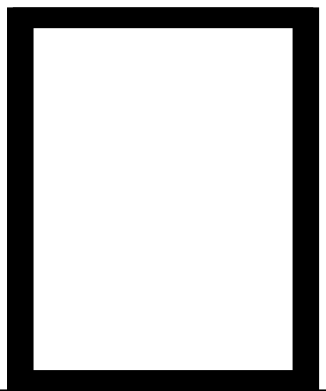
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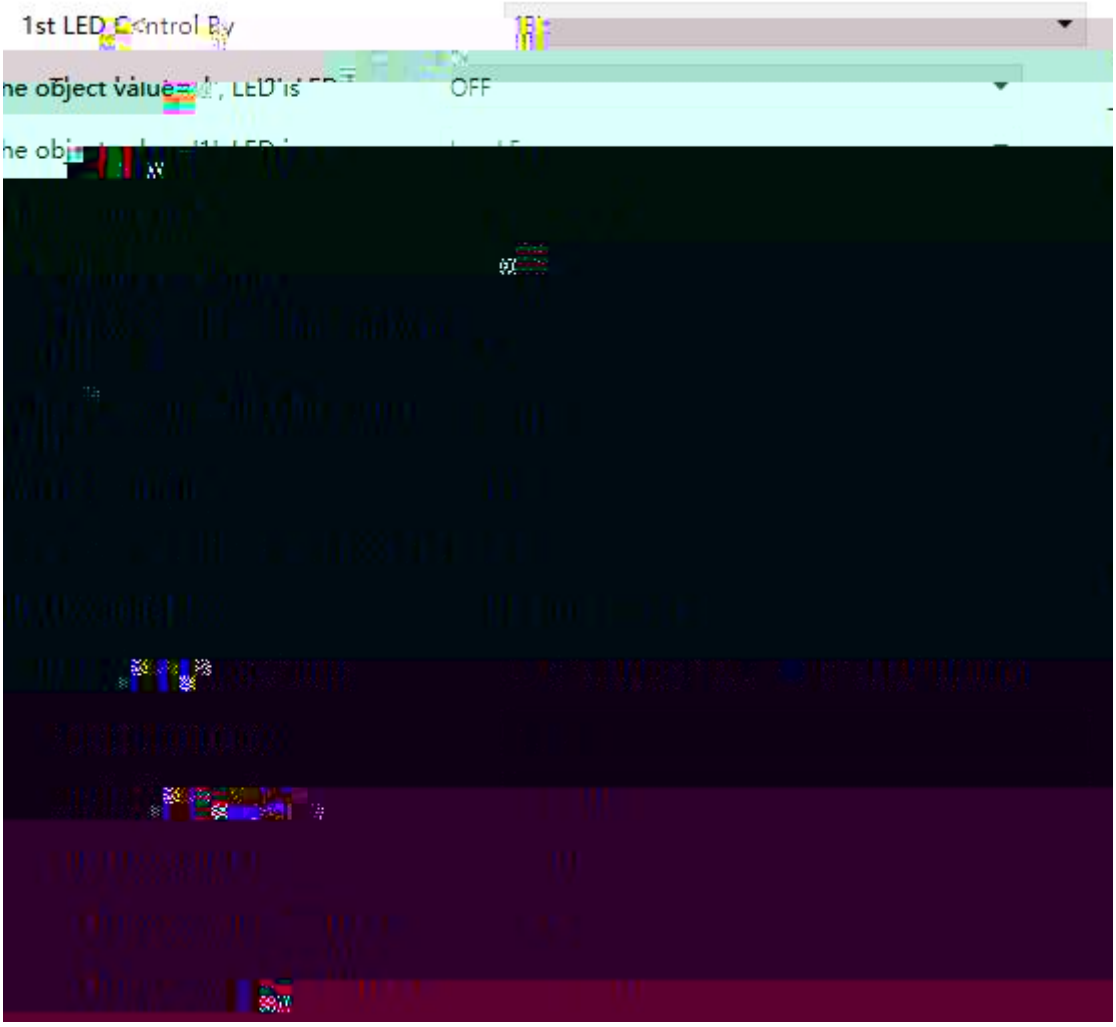
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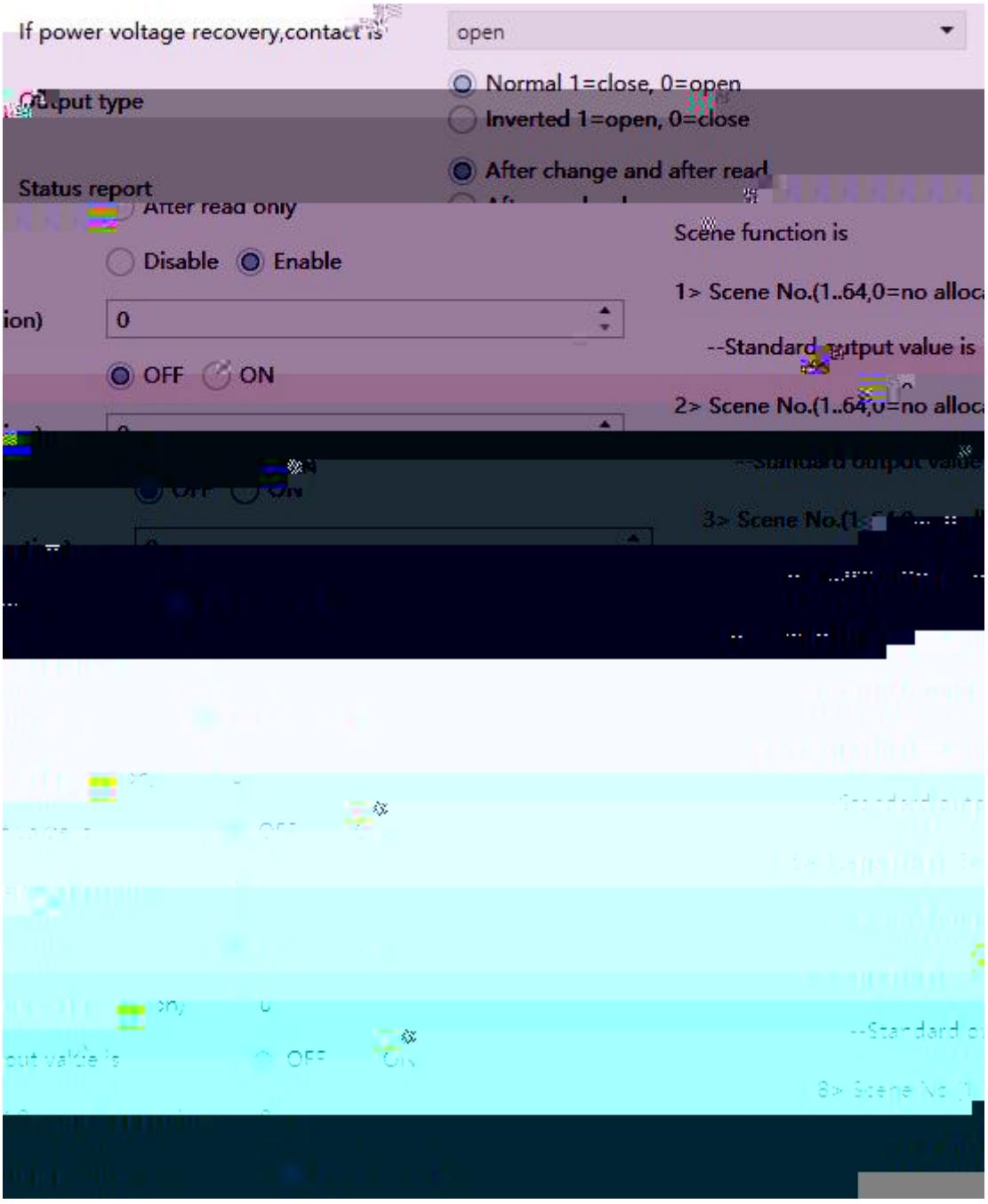
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If power voltage recovery,contact is
open
Normal 1=close, 0=open
Inverted 1=open, 0=close
After change and after read
Status report
After read only
Disable
Enable
Scene function is
1> Scene No.(1..64,0=no alloc
--Standard output value is
2> Scene No.(1..64,0=no alloc
OFF
ON
3> Scene No.(1

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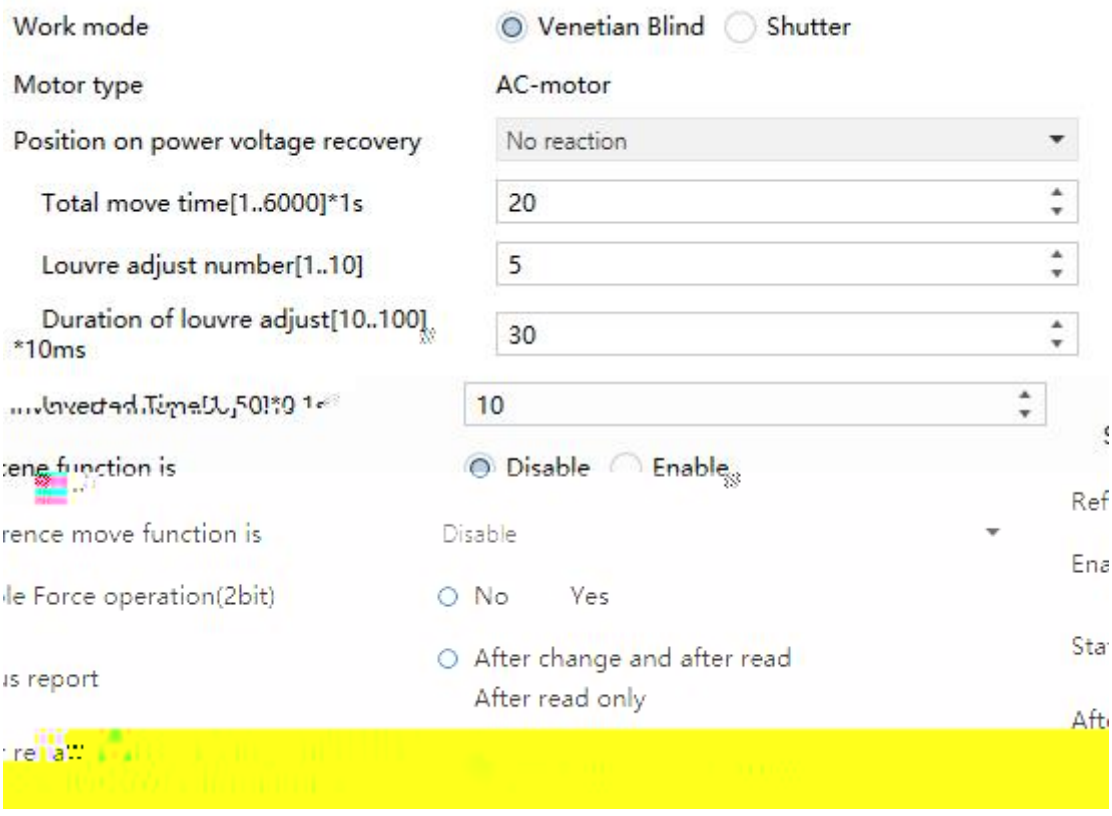
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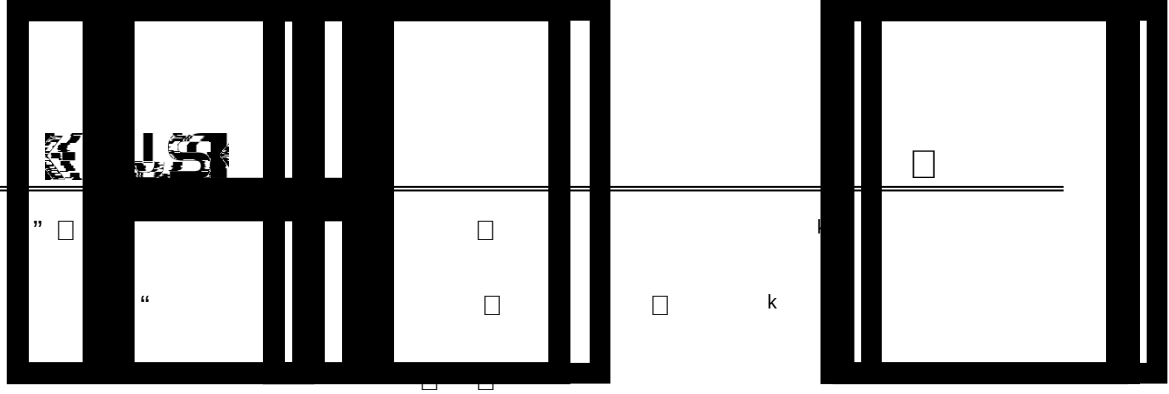
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Work mode
Venetian Blind
Shutter
Motor type
AC-motor
Position on power voltage recovery
No reaction
Total move time[1..6000]*1s
20
Louvre adjust number[1..10]
5
Duration of louvre adjust[10..100] *10ms
30
10
Disable
Enable
Disable
No
Yes
After change and after read
After read only

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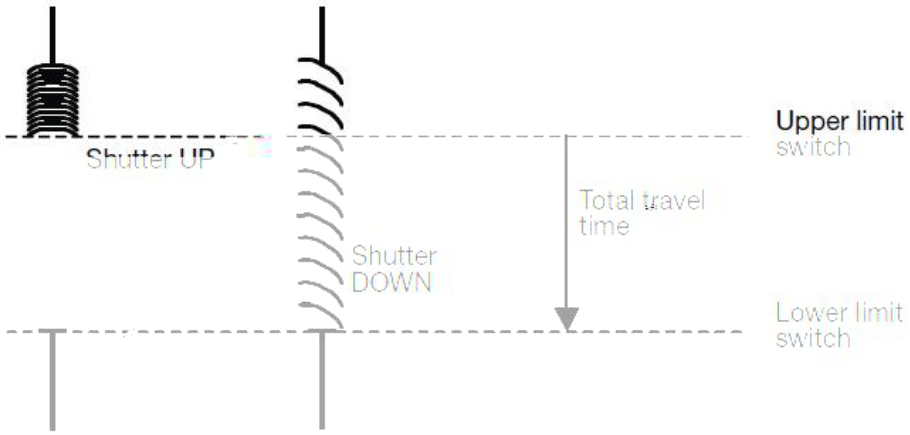
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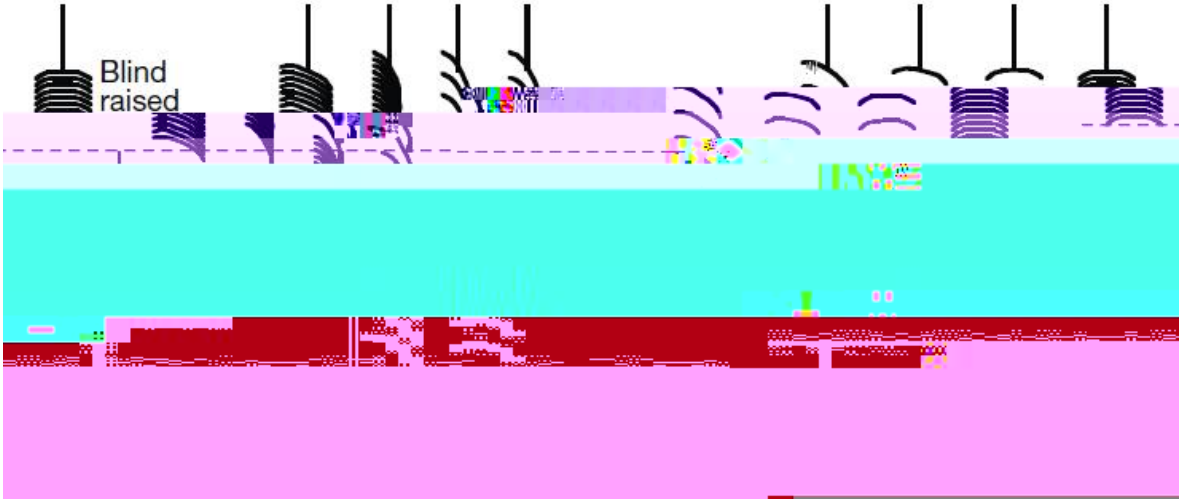
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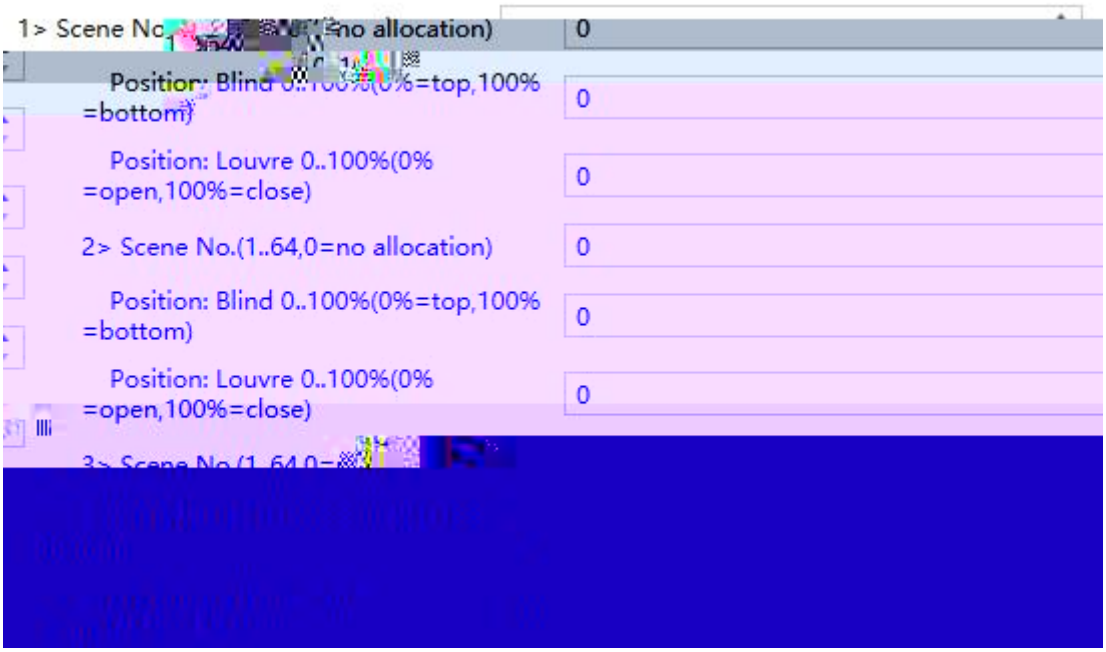
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1> Scene No.(1..64,0=no allocation)
0
Position: Blind 0..100%(0%=top,100%=bottom)
0
Position: Louvre 0..100%(0%=open,100%=close)
0
2> Scene No.(1..64,0=no allocation)
0
Position: Blind 0..100%(0%=top,100%=bottom)
0
Position: Louvre 0..100%(0%=open,100%=close)
0

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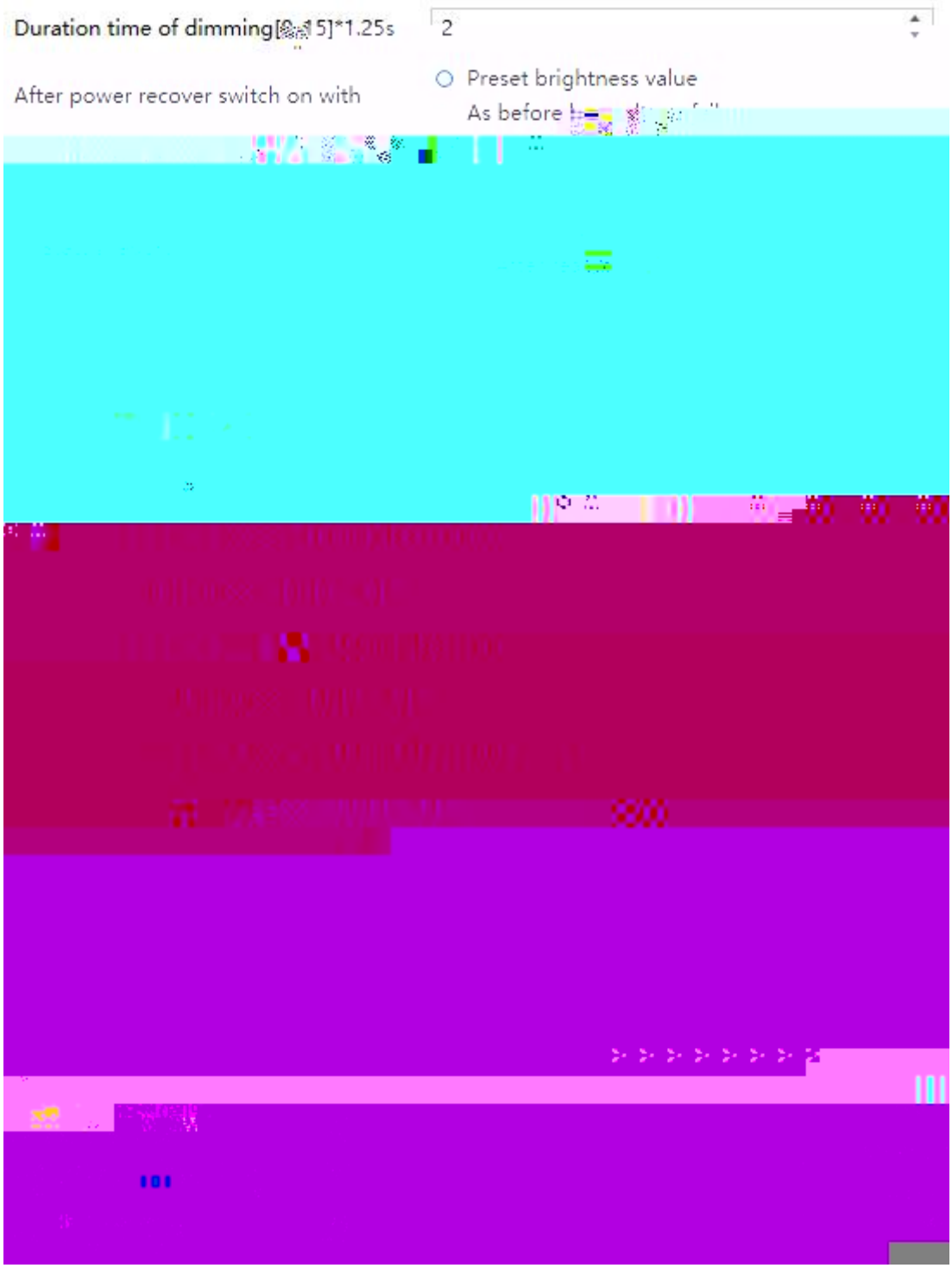
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Duration time of dimming[1-255]*1.25s
2
After power recover switch on with
Preset brightness value
As before

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HVAC Control mode — Heating and Cooling

HVAC-System — 2-pipes system / 4-pipes system

If 2-pipes system, then use Heat valve drive — <--Attention

Controller define — Local / Bus

Heat or Cool switch by — Local / Bus

Number of Heat/Cool switch object — 1 object / 2 objects

Insensitive zone between heating and cooling — 1°C

Min. changeover time between heat and cool[0..255,0=inactive]*min — 5

2-point contro

°C(for cool) — 10

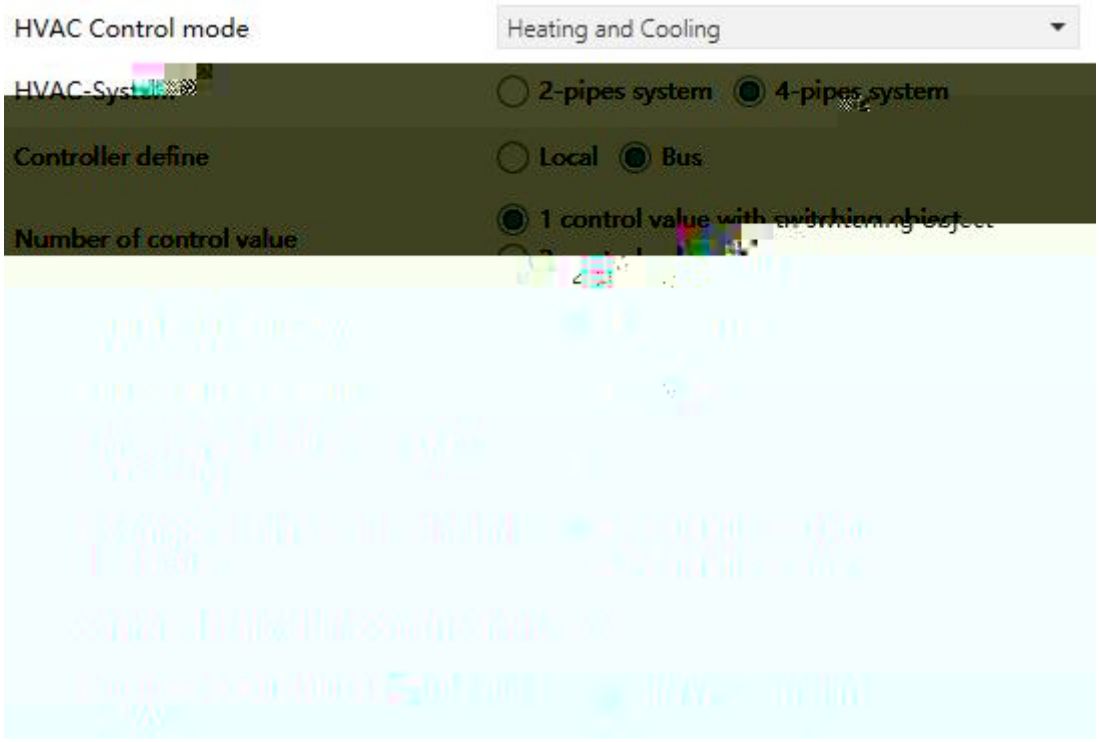
PI control method setting

Heat speed — Normal(12000/900)

Cool speed — Normal(12000/900)

Report operation status function for HVAC — Disable / Enable

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HVAC Control mode
Heating and Cooling
2-pipes system
4-pipes system
Controller define
Local
Bus
Number of control value
1 control value with switching object

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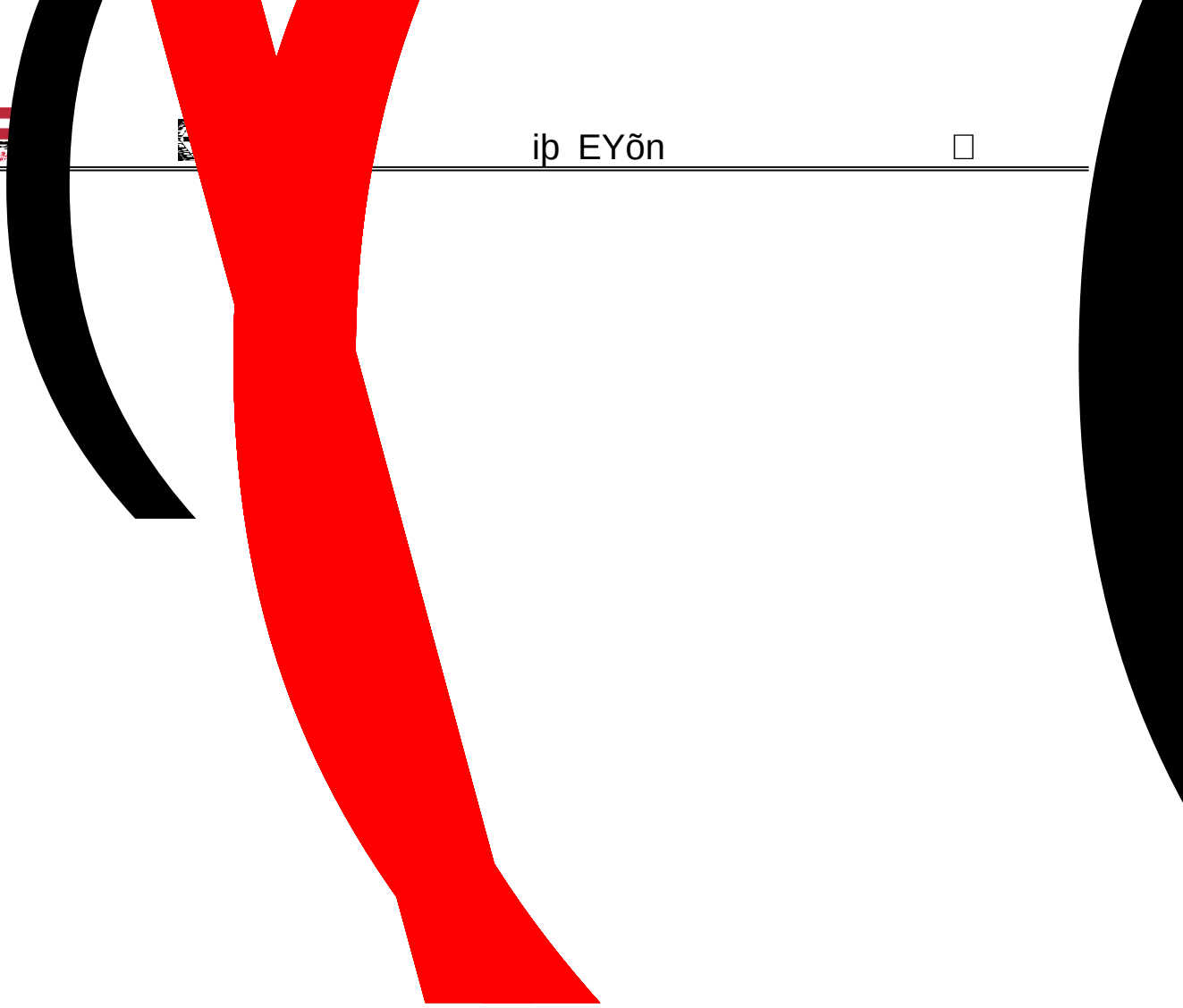
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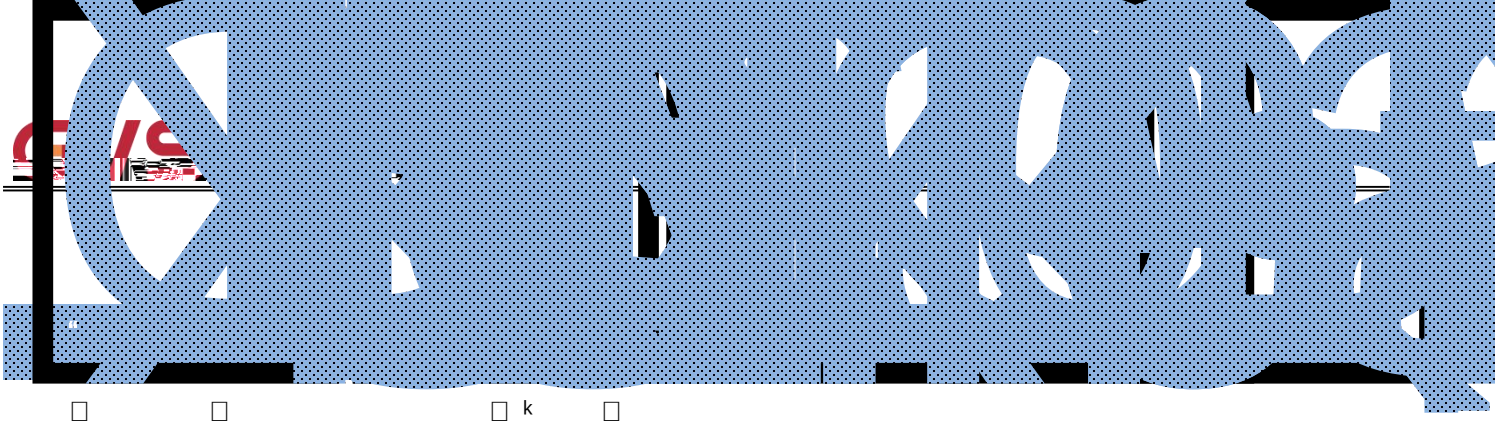
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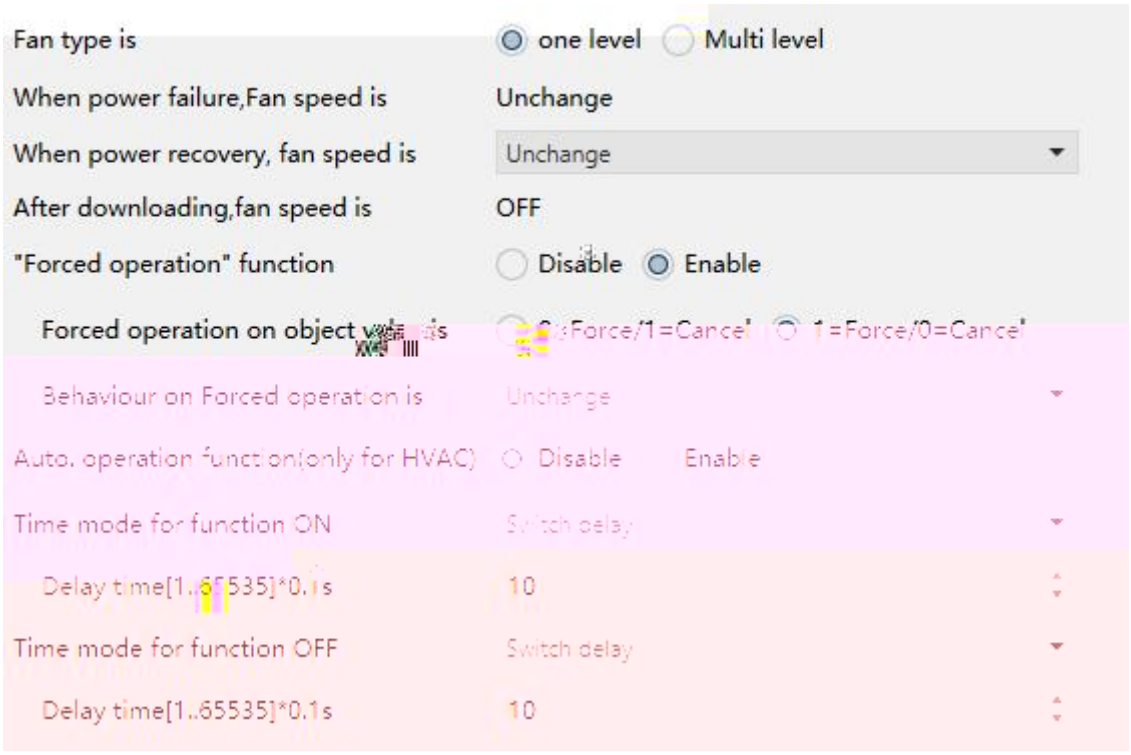
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Fan type is
one level
Multi level
When power failure,Fan speed is
Unchange
When power recovery, fan speed is
Unchange
After downloading,fan speed is
OFF
"Forced operation" function
Disable
Enable
Forced operation on object value is
0=Force/1=Cancel
1=Force/0=Cancel
Behaviour on Forced operation is
Unchange
Auto. operation function(only for HVAC)
Disable
Enable
Time mode for function ON
Switch delay
Delay time[1..65535]*0.1s
10
Time mode for function OFF
Switch delay
Delay time[1..65535]*0.1s
10

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Reply mode of Obj."Status Fan ON/OFF" 1bit function
Respond after change
Reply mode of Obj."Status Automatic

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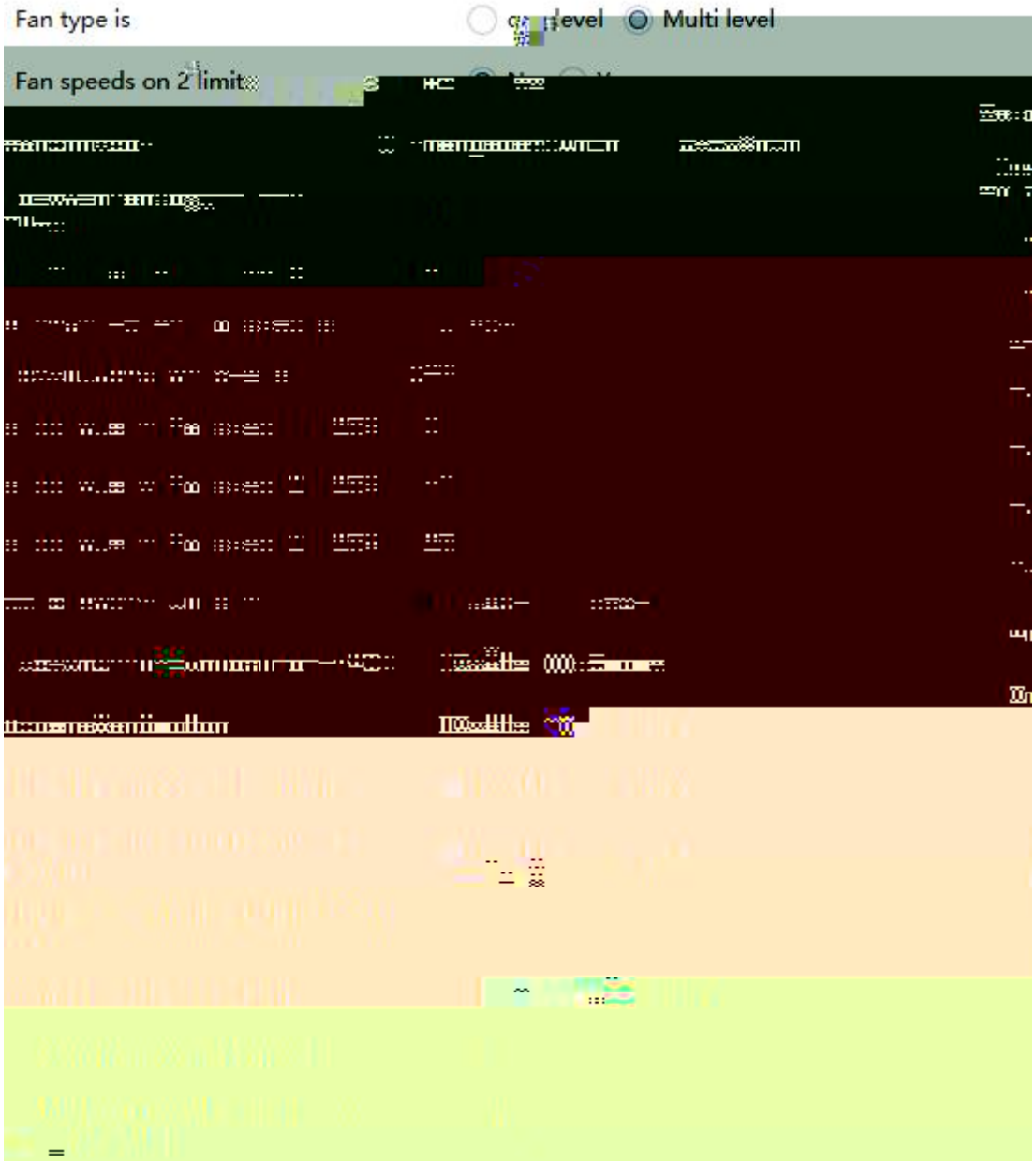
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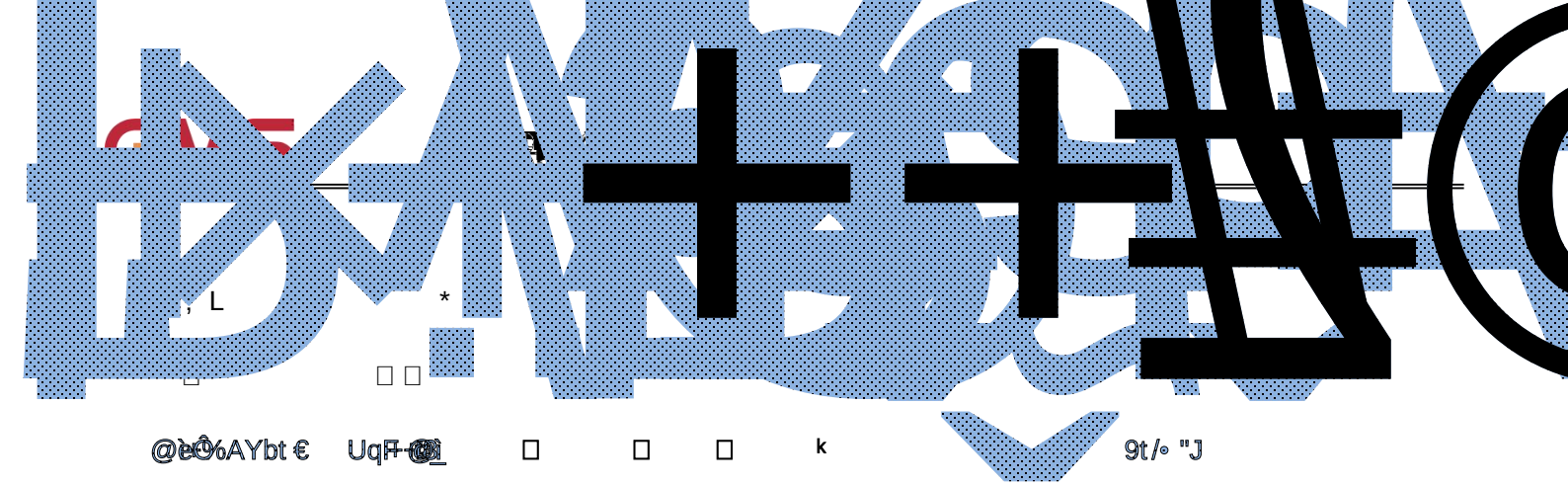
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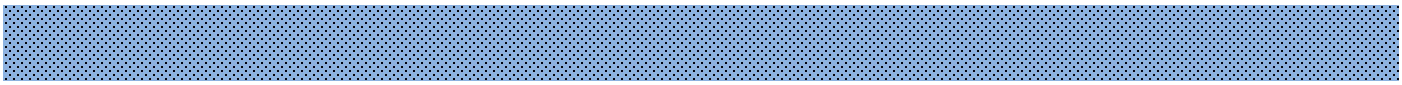
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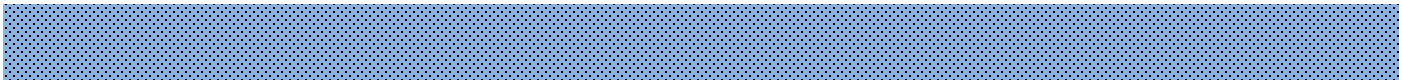


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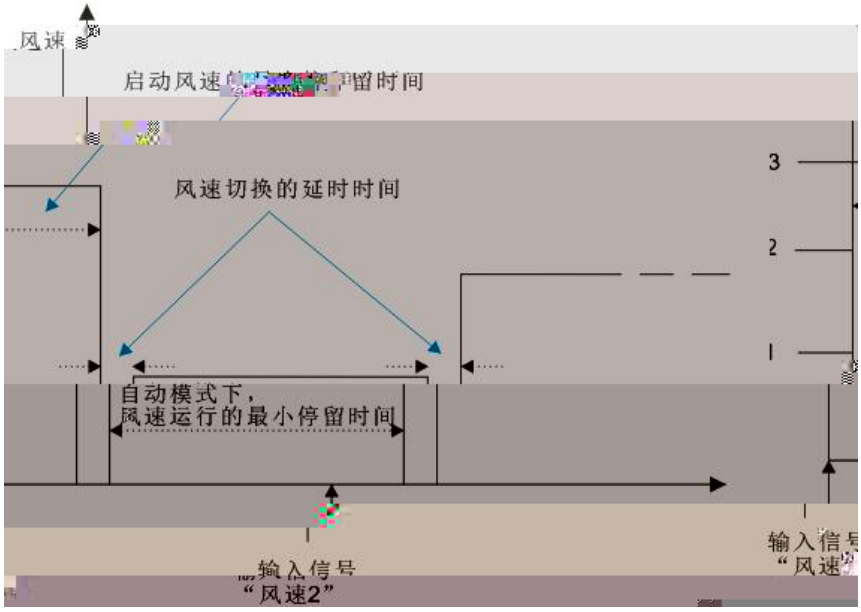
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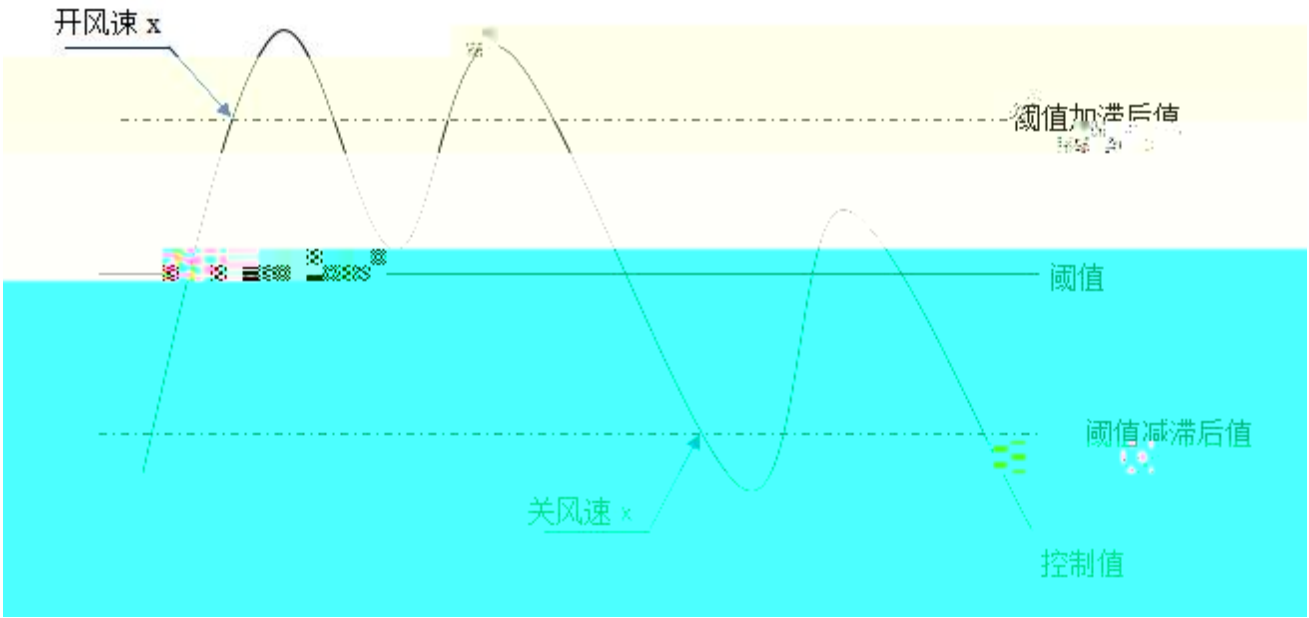
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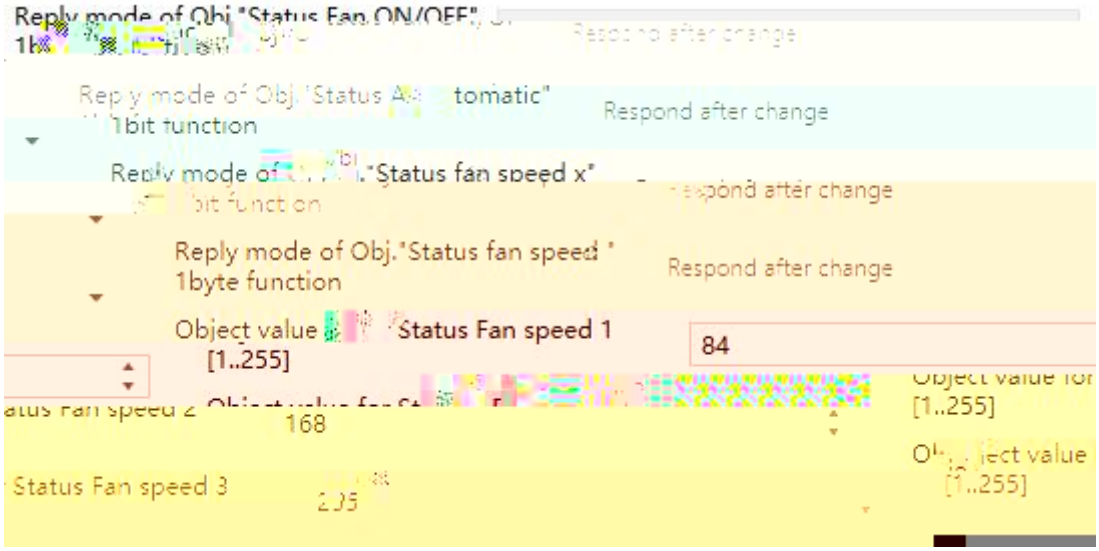
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Reply mode of Obj."Status Fan ON/OFF"
1bit function
Respond after change
Reply mode of Obj."Status Automatic"
1bit function
Respond after change
Reply mode of Obj."Status fan speed x"
1bit function
Respond after change
Reply mode of Obj."Status fan speed 1"
1byte function
Respond after change
Object value "Status Fan speed 1"
[1..255]
84
168
Status Fan speed 3
255
[1..255]
[1..255]

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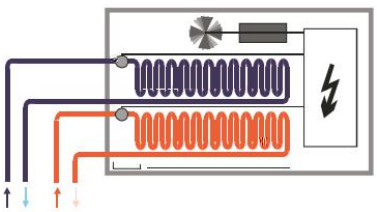
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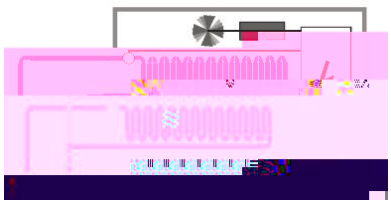
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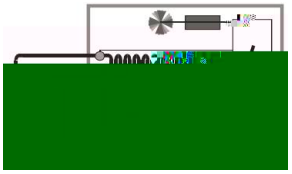
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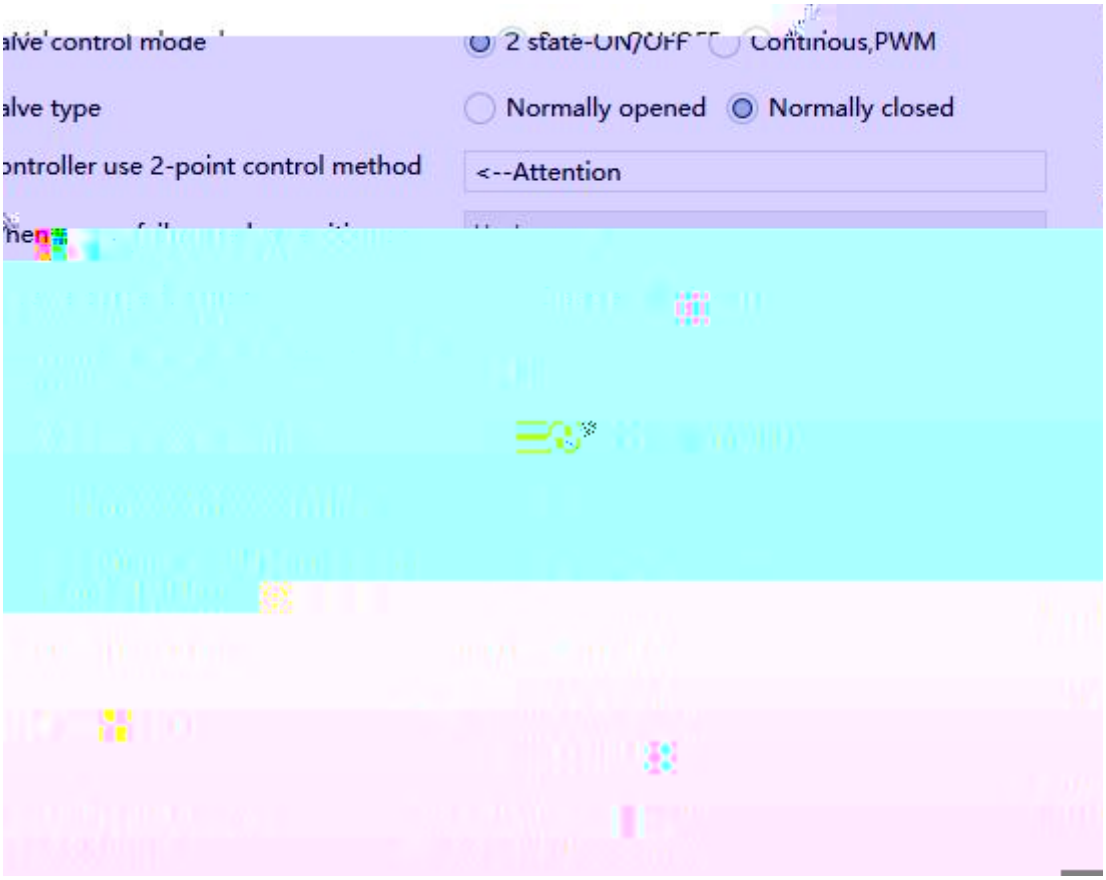


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alve control mode
2 state-ON/OFF
Continious,PWM
alve type
Normally opened
Normally closed
ontroller use 2-point control method
<--Attention

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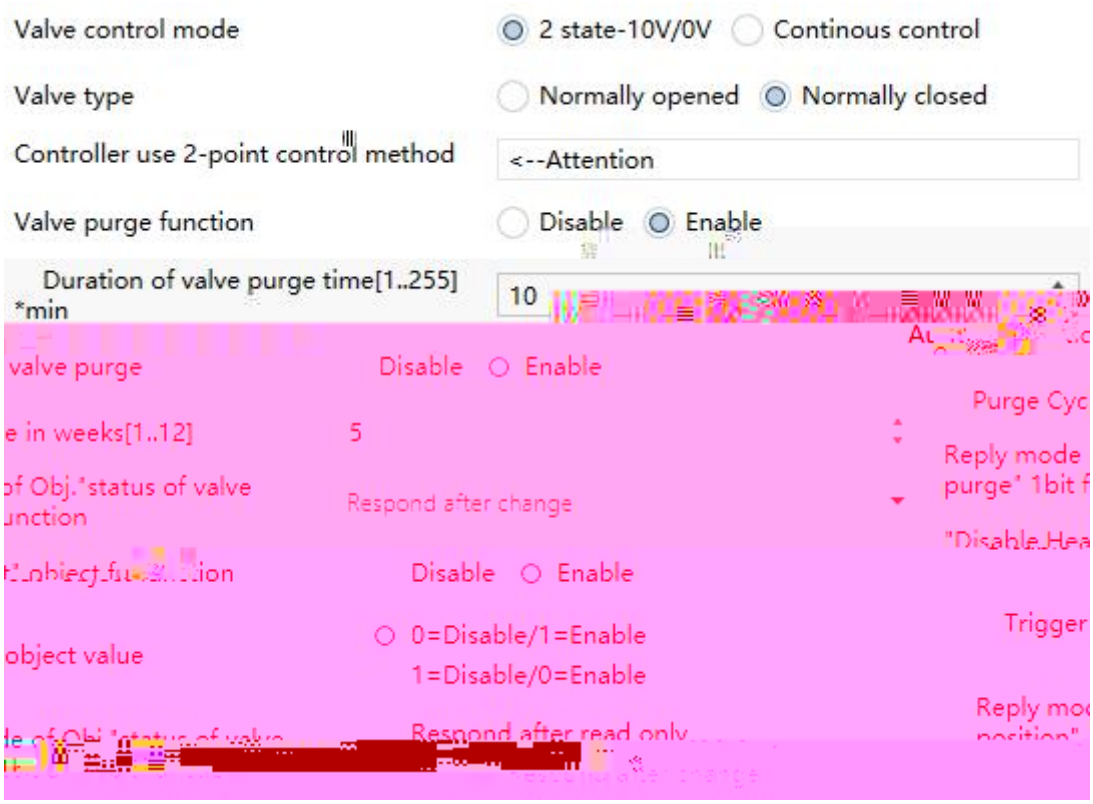
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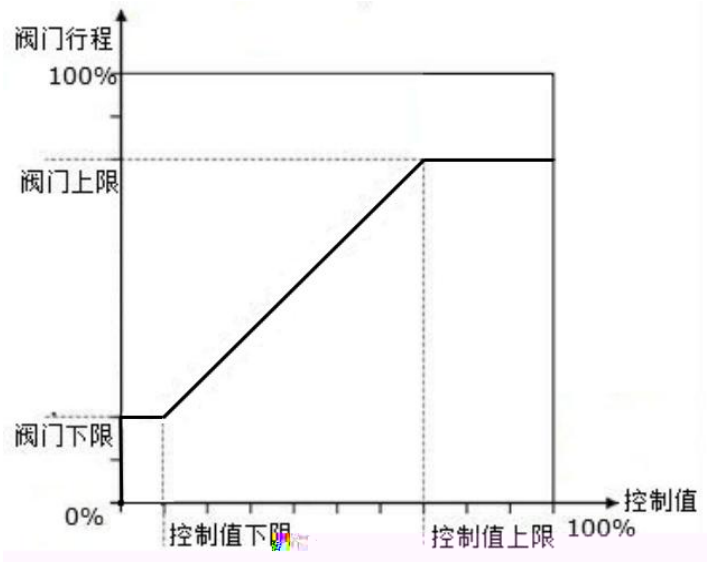
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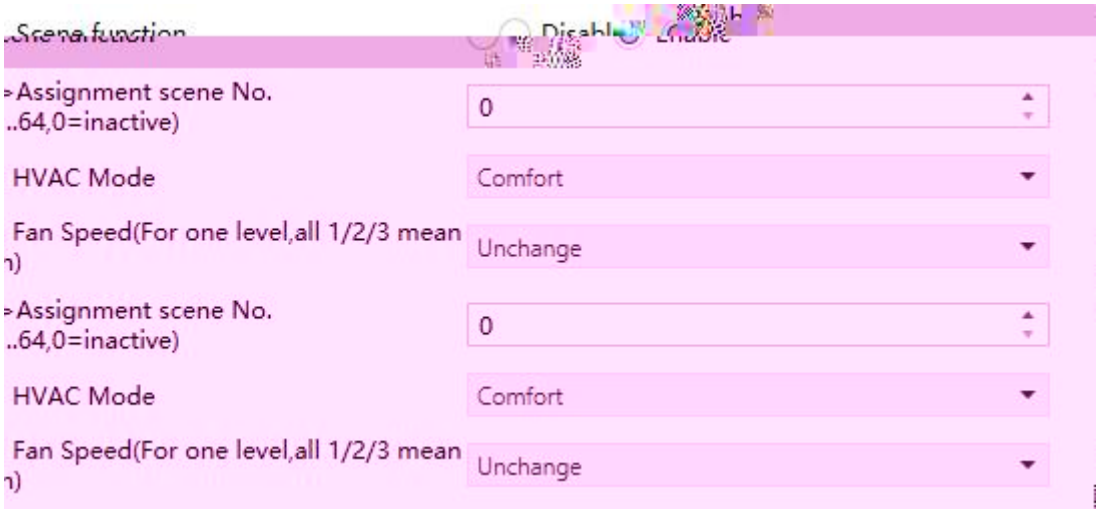

Valve control mode
2 state-10V/0V
Continous control
Valve type
Normally opened
Normally closed
Controller use 2-point control method
<--Attention
Valve purge function
Disable
Enable
Duration of valve purge time[1..255] *min
10
valve purge
Disable
Enable
e in weeks[1..12]
5
Purge Cyc
of Obj."status of valve unction
Respond after change
Reply mode purge" 1bit f
"Disable Hea
Disable
Enable
Trigger
object value
0=Disable/1=Enable
1=Disable/0=Enable
Respond after read only
Reply mo

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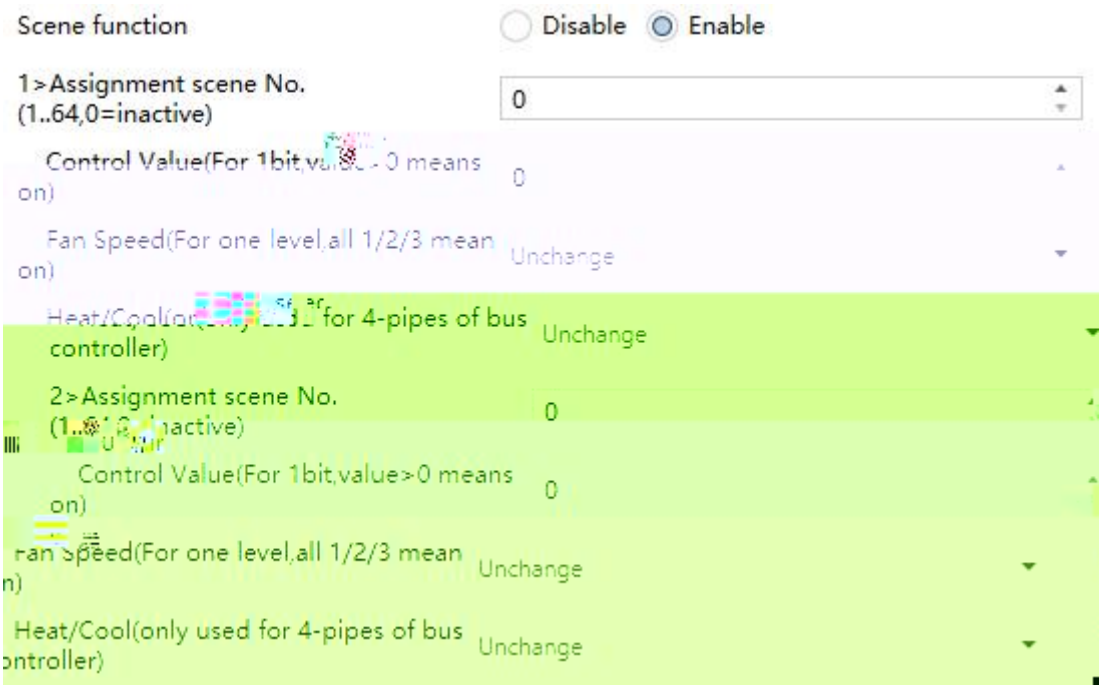

阀门行程
100%
阀门上限
阀门下限
0%
控制值
控制值下限
控制值上限
100%

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Scene function
Disable
Enable
>Assignment scene No.
..64,0=inactive)
0
HVAC Mode
Comfort
Fan Speed(For one level,all 1/2/3 mean
n)
Unchange
>Assignment scene No.
..64,0=inactive)
0
HVAC Mode
Comfort
Fan Speed(For one level,all 1/2/3 mean
n)
Unchange

“ ”

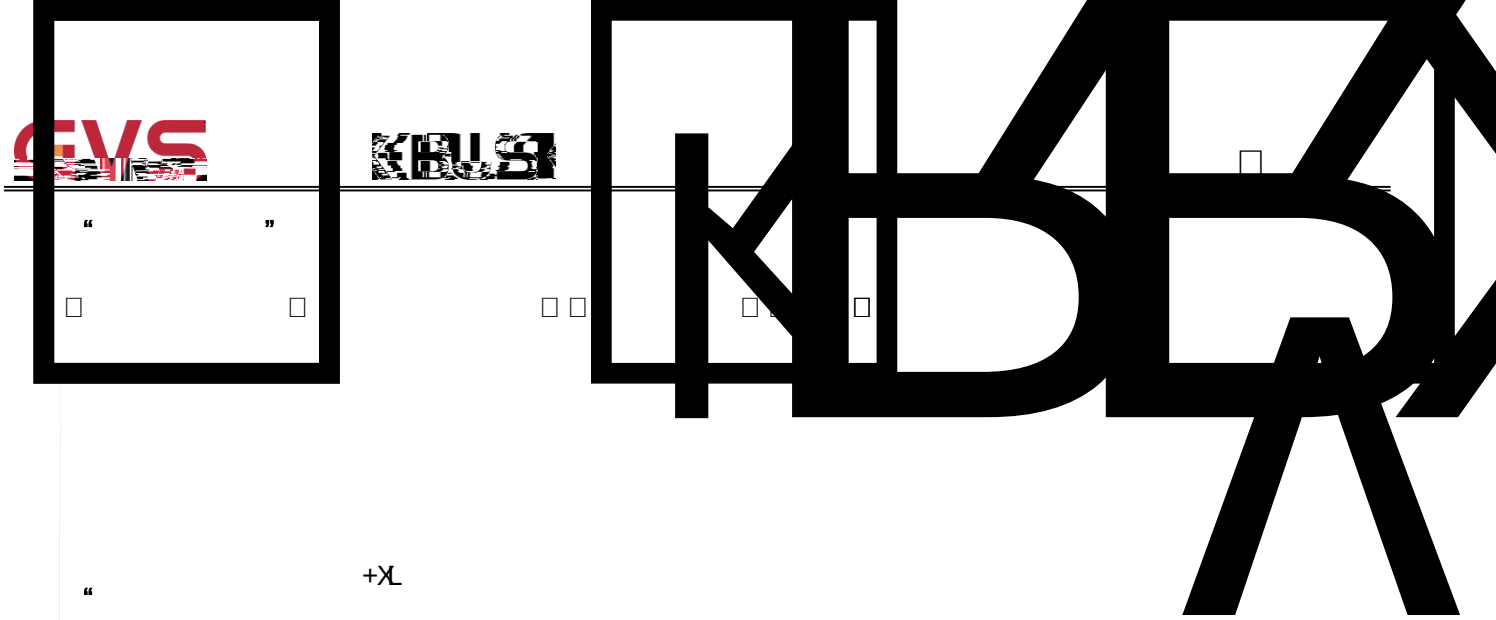

Scene function
Disable
Enable
1>Assignment scene No.
(1..64,0=inactive)
0
Control Value(For 1bit,value>0 means
on)
0
Fan Speed(For one level,all 1/2/3 mean
on)
Unchange
Heat/Cool(only used for 4-pipes of bus
controller)
Unchange
2>Assignment scene No.
(1..64,0=inactive)
0
Control Value(For 1bit,value>0 means
on)
0
Fan Speed(For one level,all 1/2/3 mean
n)
Unchange
Heat/Cool(only used for 4-pipes of bus
ontroller)
Unchange

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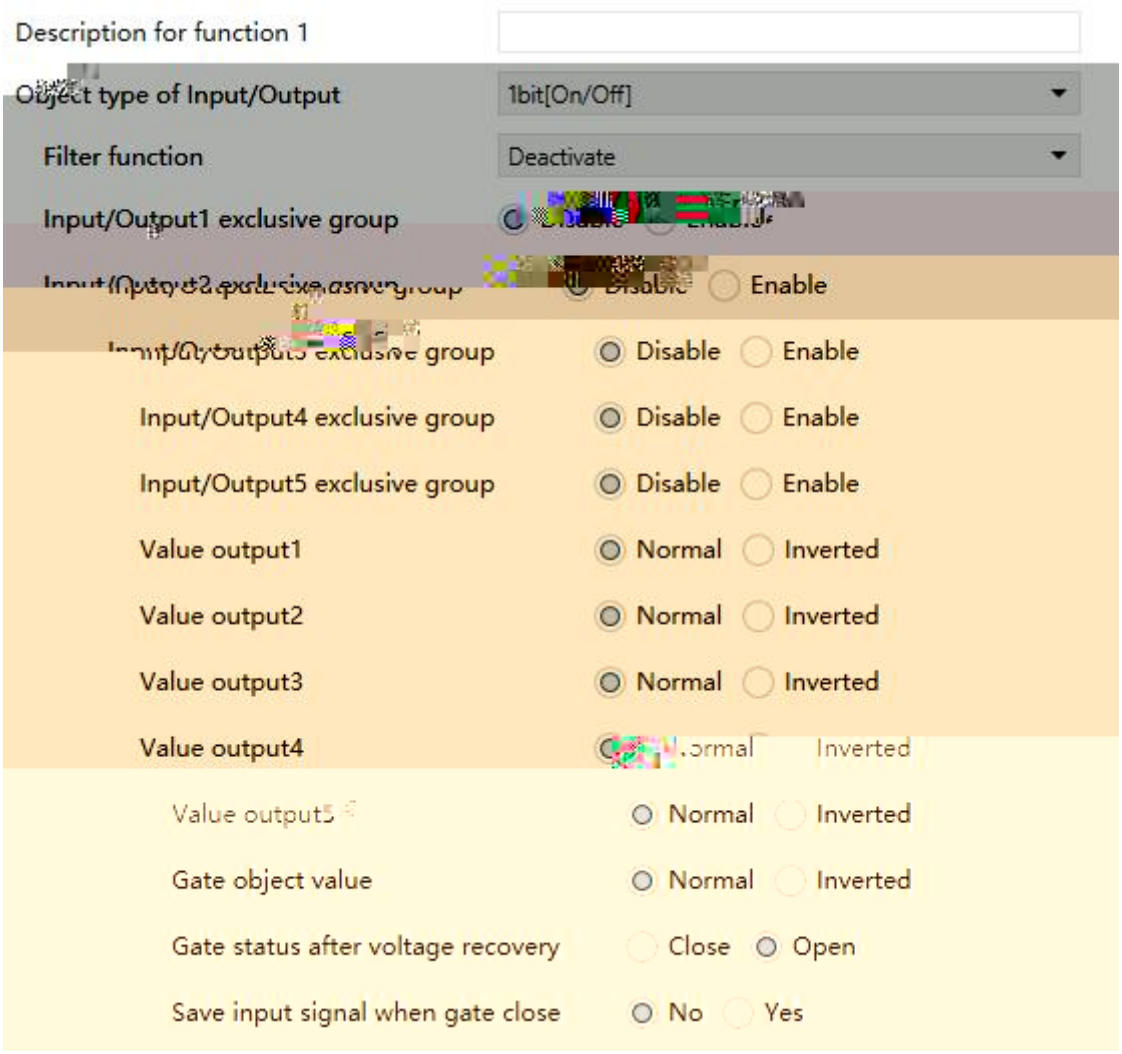


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Description for function 1
Object type of Input/Output
1bit[On/Off]
Filter function
Deactivate
Input/Output1 exclusive group
Enable
Input/Output4 exclusive group
Disable
Enable
Input/Output5 exclusive group
Disable
Enable
Value output1
Normal
Inverted
Value output2
Normal
Inverted
Value output3
Normal
Inverted
Value output4
Inverted
Value output5
Normal
Inverted
Gate object value
Normal
Inverted
Gate status after voltage recovery
Close
Open
Save input signal when gate close
No
Yes

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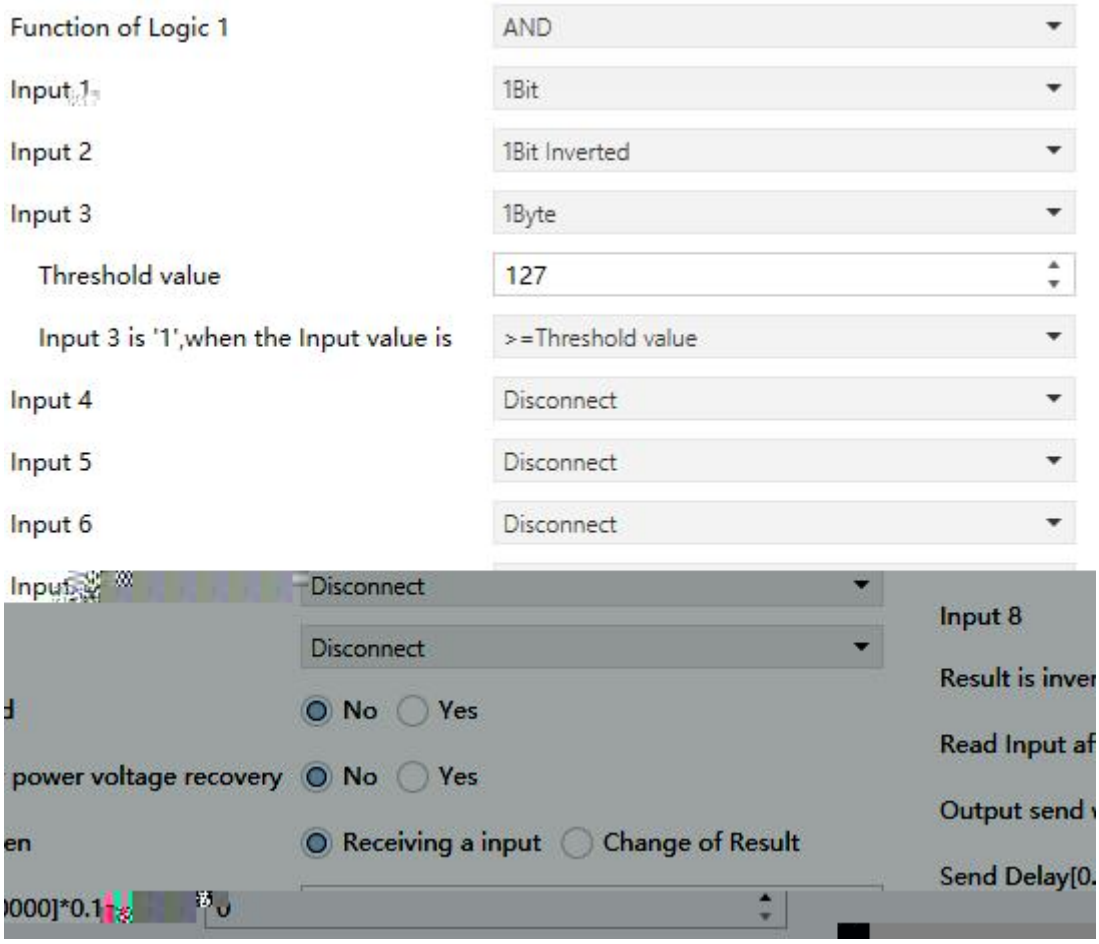
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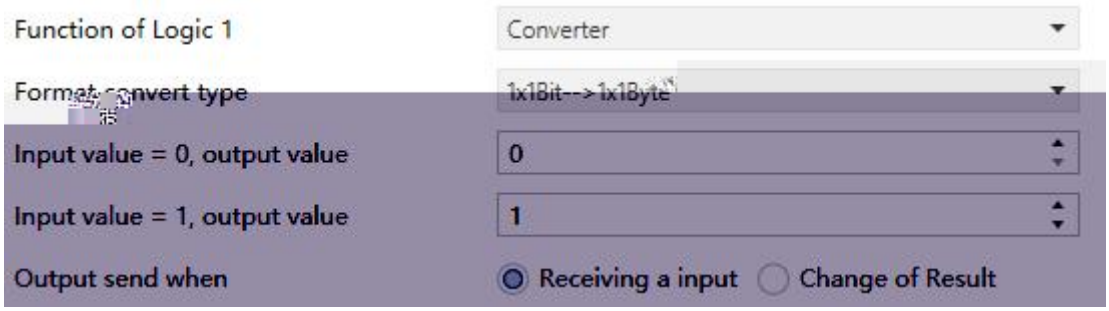
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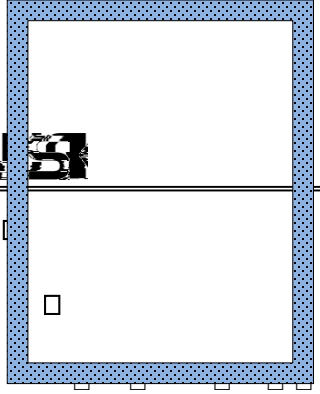

Function of Logic 1
AND
Input 1
1Bit
Input 2
1Bit Inverted
Input 3
1Byte
Threshold value
127
Input 3 is '1',when the Input value is
>=Threshold value
Input 4
Disconnect
Input 5
Disconnect
Input 6
Disconnect
Disconnect
Disconnect
Input 8
No
Yes
power voltage recovery
No
Yes
Receiving a input
Change of Result
Send Delay[0.
000]*0.1
0

“ ”


Function of Logic 1
Converter
Format convert type
1x1Bit--> 1x1Byte
Input value = 0, output value
0
Input value = 1, output value
1
Output send when
Receiving a input
Change of Result

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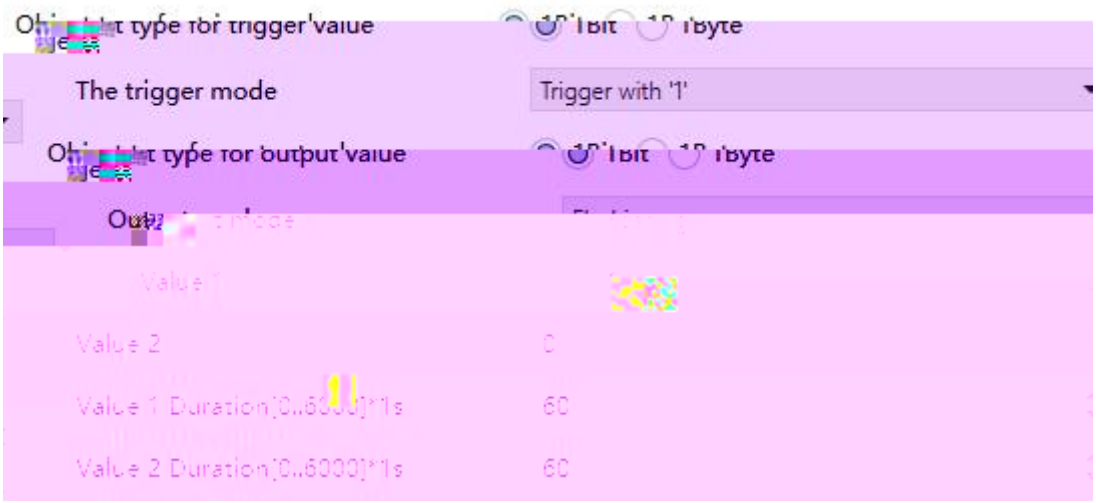
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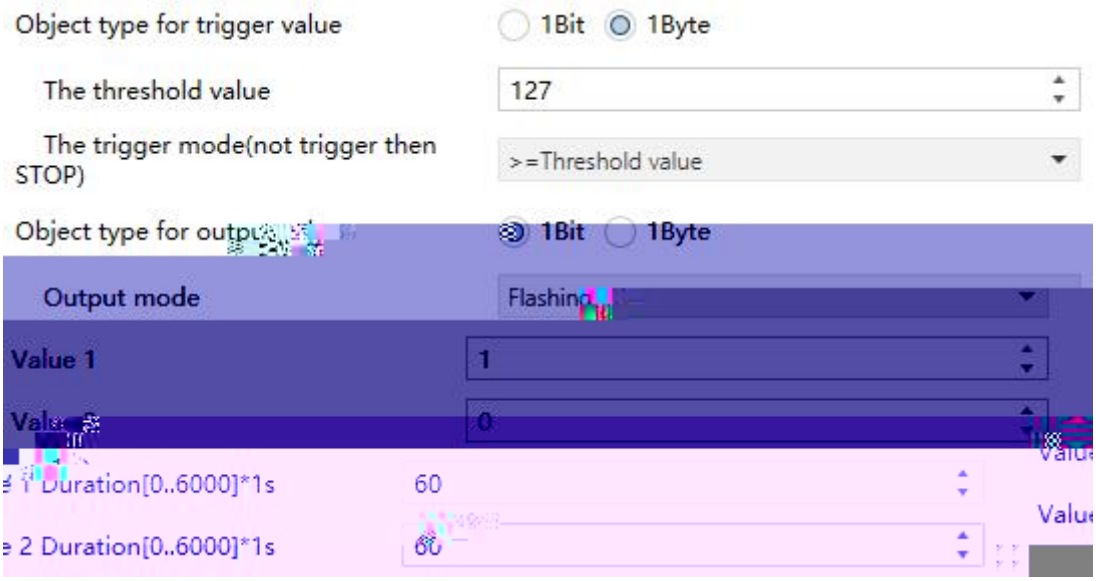
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The trigger mode
Trigger with '1'
Value 2
0
Value 1 Duration[0..6000]*1s
60
Value 2 Duration[0..6000]*1s
60

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Object type for trigger value
1Bit
1Byte
The threshold value
127
The trigger mode(not trigger then STOP)
>=Threshold value
1Bit
1Byte
Value 1
1
0
60
60

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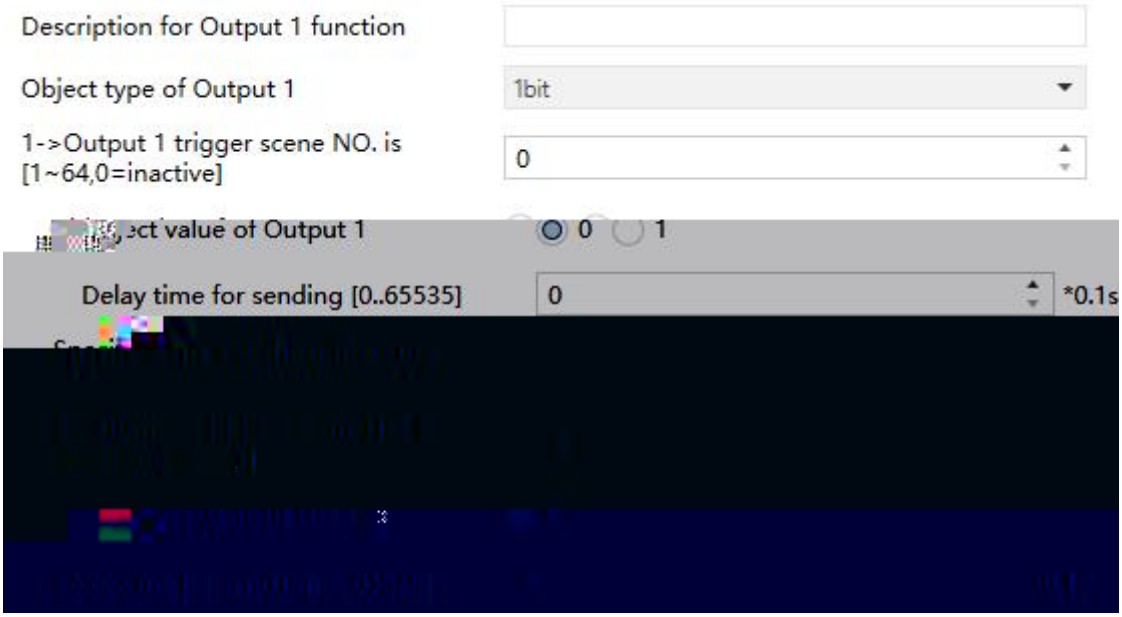
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Description for Output 1 function
Object type of Output 1
1bit
1->Output 1 trigger scene NO. is [1~64,0=inactive]
0
0
1
Delay time for sending [0..65535]
0
*0.1s

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Number	Name	Object Function	Description	Group Ad…	L…th	C	R	W	T	U	Data Ty…e	Pr
ority	271	Temperature…	Actual temperature output		2 bytes	C	R	-	T	-	temperature (°C)	
ow	272	Temperature	Local sensor error output		1 bit	C	R	-	T	-	alarm	
ow	274	Ter…erature	Temp.correction (-128..127)*0.1		1 byte	C	-	W	-	-	counter pulses (-128..12	
Low	275	General	In operation		1 bit	C	R	-	T	-	switch	
	273	Temperature	External sensor		2 bytes	C	-	W	T	U	temperature (°C)	Low

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Number
Name
Object Function
Description
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Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
1	UI input 1	1 bits										

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Number	Name	Object Function	Description	Length	C	R	W	T	U	Data Type	Pric
1	UI input 1	Shutter UP/DOWN		1 bit	C	-	-	T	-	up/down	Low
2	UI input 1	Stop/lamella adj		1 bit	C	-	-	T	-	step	Low
3	UI input 1	Enable communication		1 bit	C	-	W	-	-	enable	Low

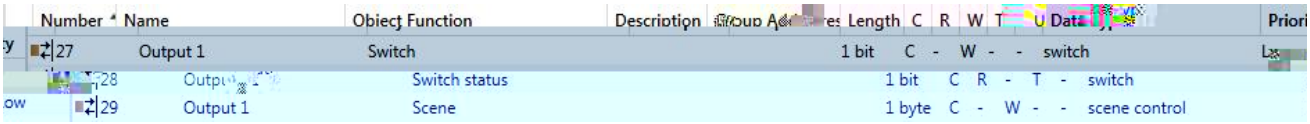
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Number
Name
Object
Function
Instance
Group
Address
Length
Data Type

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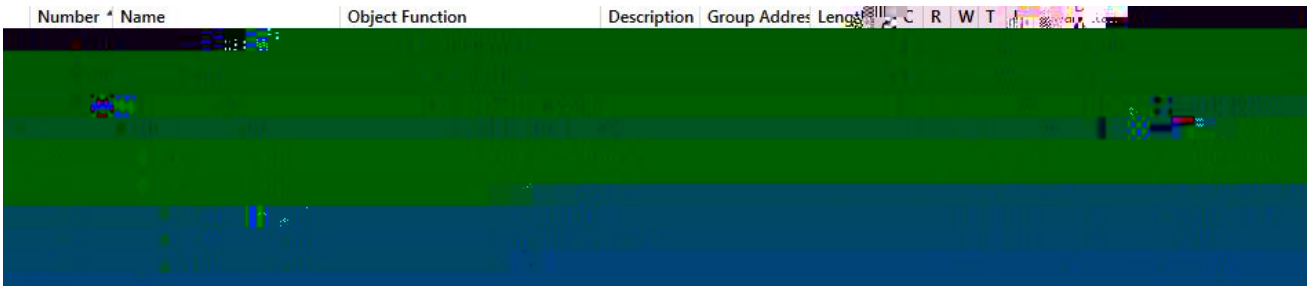
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Number
Name
Object Function
Description
Length
C
R
W
T
U
Data
Priori
27
Output 1
Switch
1 bit
C - W - - switch
28
Switch status
1 bit
C R - T - switch
29
Output 1
Scene
1 byte
C - W - - scene control

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Number
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Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
250	HVAC	Switch Heat/Cool mode			1 bit	C	-	W	-	-	cooling/heating	Low
251	HVAC mode	Comfort mode			1 bit	C	-	W	-	-	enable	Low
252	HVAC mode	Night mode			1 bit	C	-	W	-	-	enable	Low
253	HVAC mode	Frost/heat protection mode			1 bit	C	-	W	-	-	enable	Low
254	HVAC mode	Standby mode			1 bit	C	-	W	-	-	enable	Low
262	HVAC Status	Comfort mode			1 bit	C	R	-	T	-	enable	Low
263	HVAC Status	Night mode			1 bit	C	R	-	T	-	enable	Low
264	HVAC Status	Frost/heat protection mode			1 bit	C	R	-	T	-	enable	Low
265	HVAC Status	Standby mode			1 bit	C	R	-	T	-	enable	Low
270	Output setpoint	Instantaneous setpoint			2 bytes	C	R	-	T	-	temperature (°C)	Low

250	HVAC	Heat mode enable			1 bit	C	-	W	-	-	enable	Low
251	HVAC mode	HVAC mode			1 byte	C	-	W	-	-	HVAC mode	Low
258	HVAC	Cool mode enable			1 bit	C	-	W	-	-	enable	Low
262	HVAC Status	HVAC mode			1 byte	C	R	-	T	-	HVAC mode	Low
247	HVAC	Scene			1 byte	C	-	W	-	-	scene number	Low

247	HVAC	Scene			1 byte	C	-	W	-	-	scene control	Low
250	HVAC	Switch Heat/Cool mode			1 bit	C	-	W	-	-	cooling/heating	Low
254	HVAC	Heat/Cool Control value			1 byte	C	-	W	-	-	percentage (0..100%)	Low
262	HVAC	Fault Control Value			1 bit	C	R	-	T	-	alarm	Low
266	HVAC Status	Heating/Cooling mode			1 bit	C	R	-	T	-	cooling/heating	Low
267	HVAC Status	Status of operation			1 byte	C	R	-	T	-		Low
254	HVAC	Heat Control value			1 byte	C	-	W	-	-	percentage (0..100%)	Low
258	HVAC	Cool Control value			1 byte	C	-	W	-	-	percentage (0..100%)	Low
262	HVAC	Fault Control Value			1 bit	C	R	-	T	-	alarm	Low
266	HVAC Status	Heating/Cooling mode			1 bit	C	R	-	T	-	cooling/heating	Low

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Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
231	1Level-Fan	Fan speed			1 bit	C	-	W	-	-	switch	Low
235	1Level-Fan	Status Fan ON/OFF			1 bit	C	R	-	T	-	switch	Low
240	1											

Number	Name	Object Function	Description	Group Addr	Length	C	R	W	T	U	Data Type	Priority
230	Multi-Fan	Fan speed										Low
	Multi-Fan											

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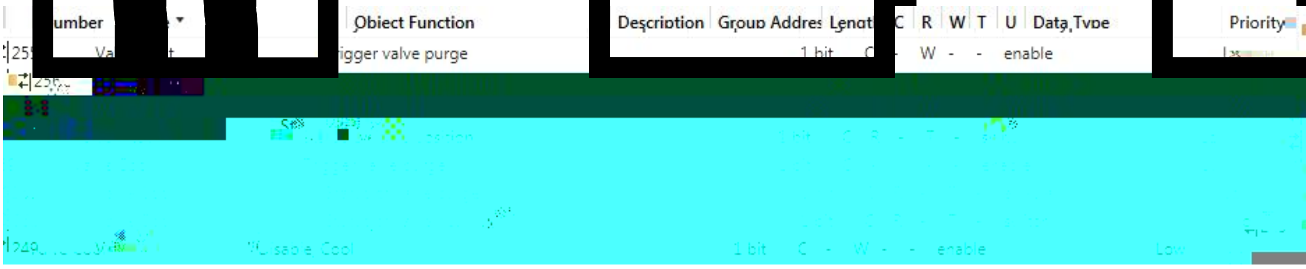
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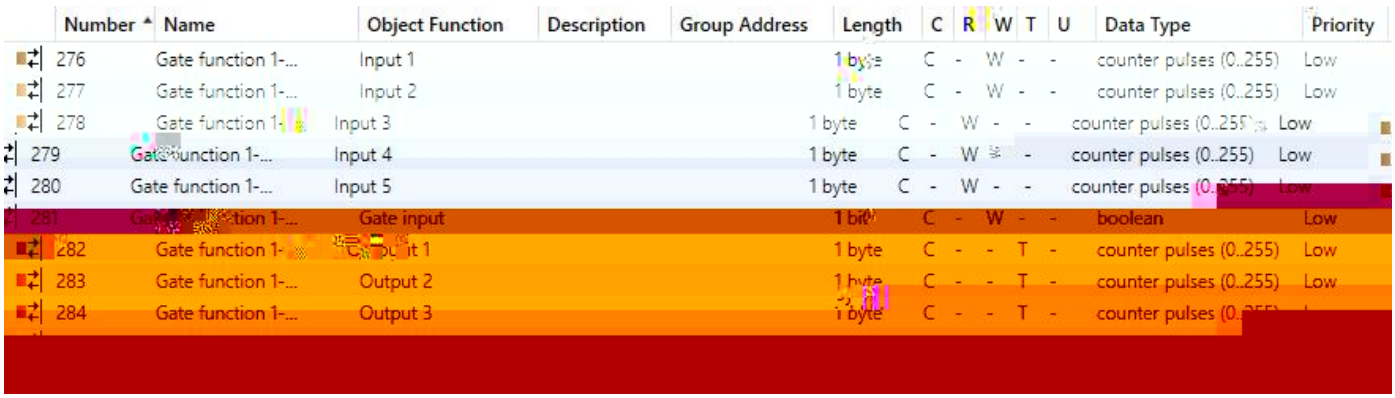
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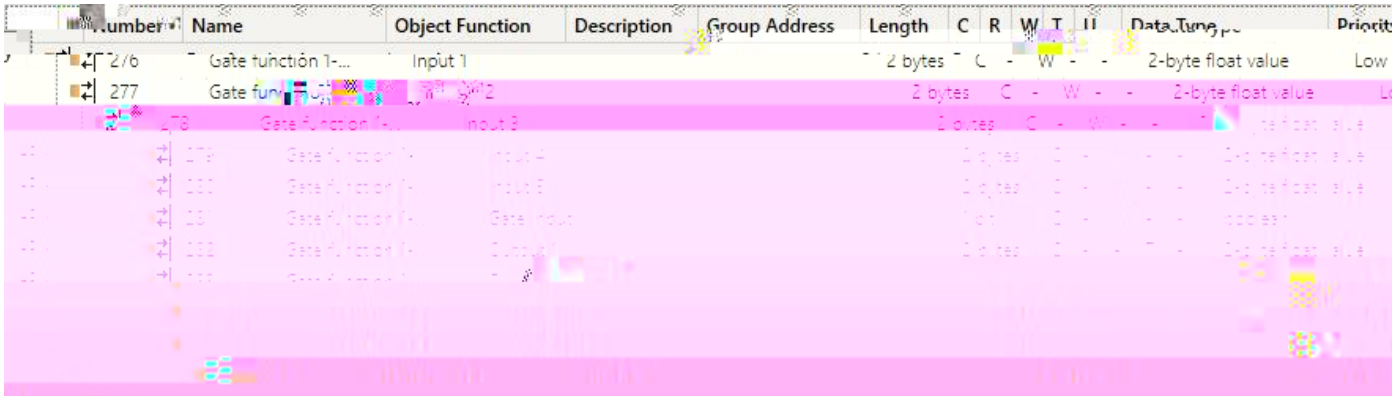


Number
Object Function
Description
Group Addres
Lengt
C
R
W
T
U
Data Type
Priority
Trigger valve purge
1 bit
W
enable


Number
Name
Object Function
Description
Group Address
Length
C
R
W
T
U
Data Type
Priority
276 Gate function 1-... Input 1 1 bit C - W - - switch
Input 2 1 bit C - W - - switch
278 Gate function 1-... Input 3 1 bit C - W - - switch
280 Gate function 1-... 1 bit C - W - - switch
281 Gate function 1-... Gate input 1 bit C - W - - boolean
Output 1 1 bit C - - T - switch


Number
Name
Object Function
Description
Group Address
Length
C
R
W
T
U
Data Type
Priority
276 Gate function 1-... Input 1 1 byte percentage (0..100%) Low
277 Gate function 1-... Input 2 1 byte C - W - - percentage (0..100%) Low
Gate function 1-... Input 3 1 byte C - W - - percentage (0..100%)


Number
Name
Object Function
Description
Group Address
Length
C
R
W
T
U
Data Type
Priority
276 Gate function 1-... Input 1 1 byte C - W - - counter pulses (0..255) Low
277 Gate function 1-... Input 2 1 byte C - W - - counter pulses (0..255) Low
278 Gate function 1-... Input 3 1 byte C - W - - counter pulses (0..255) Low
279 Gate function 1-... Input 4 1 byte C - W - - counter pulses (0..255) Low
280 Gate function 1-... Input 5 1 byte C - W - - counter pulses (0..255) Low
281 Gate function 1-... Gate input 1 bit C - W - - boolean Low
282 Gate function 1-... Output 1 1 byte C - - T - counter pulses (0..255) Low
283 Gate function 1-... Output 2 1 byte C - - T - counter pulses (0..255) Low
284 Gate function 1-... Output 3 1 byte C - - T - counter pulses (0..255)


Number
Name
Object Function
Description
Group Address
Length
C
R
W
T
U
Data Type
Priority
276 Gate function 1-... Input 1 2 bytes C - W - - 2-byte float value Low
277 2 bytes C - W - - 2-byte float value

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Number
Name
Object Function
Description
Length
C
R
W
T
U
Data Type
Pri
151 Logic 1 Input 2 1 bit C - W T U boolean Low
152 Logic 1 Input 3 1 byte C - W T U counter pulses (0..255) Low
153 Logic 1 Input 4 1 bit C - W T U boolean Low
155 Logic 1 Input 6 1 bit C - W T U boolean
156 Logic 1 Input 7 1 bit C - W T U boolean
157 Logic 1 Input 8 1 bit C - W T U boolean
158 Logic 1 Logic Result 1 bit C - - T - boolean

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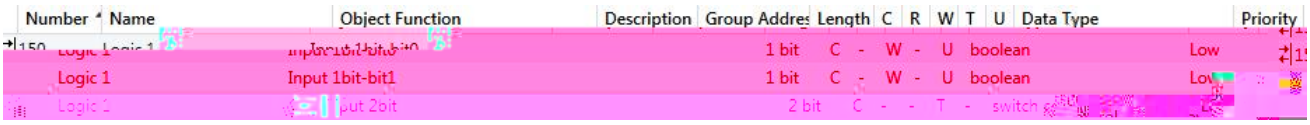
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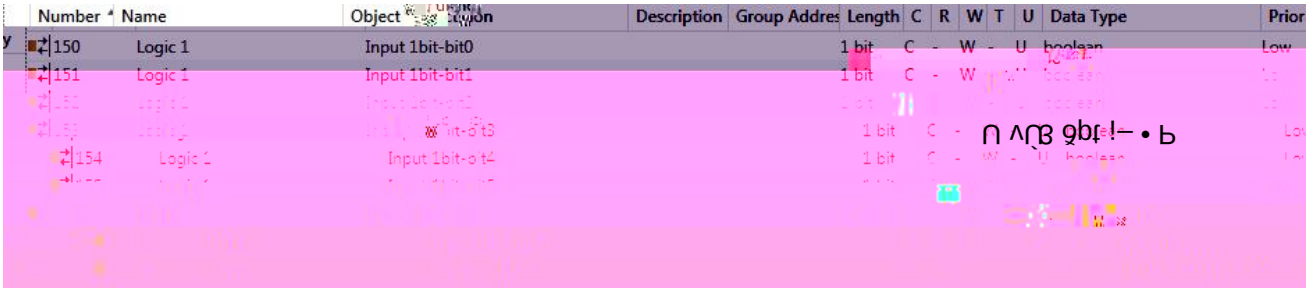


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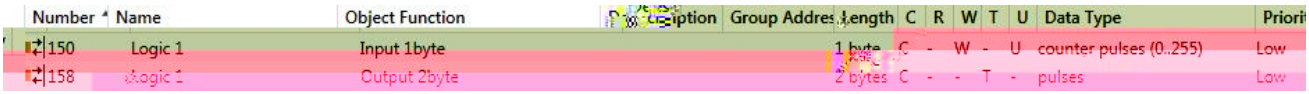


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Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
150	Logic 1	Input 1byte			1 byte	C	-	W	-	U	counter pulses (0..255)	Low
151	Logic 1	Output 1bit-bit0			1 bit	C	-	-	T	-	boolean	Low
152	Logic 1	Output 1bit-bit1			1 bit	C	-	-	T	-	boolean	Low
153	Logic 1	Output 1bit-bit2			1 bit	C	-	-	T	-	boolean	Low
154	Logic 1	Output 1bit-bit3			1 bit	C	-	-	T	-	boolean	Low
155	Logic 1	Output 1bit-bit4			1 bit	C	-	-	T	-	boolean	Low
156	Logic 1	Output 1bit-bit5			1 bit	C	-	-	T	-	boolean	Low
157	Logic 1	Output 1bit-bit6			1 bit	C	-	-	T	-	boolean	Low
158	Logic 1	Output 1bit-bit7			1 bit	C	-	-	T	-	boolean	Low

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Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
150	Logic 1	Input 2byte			2 bytes	C	-	W	-	U	pulses	Low
151	Logic 1	Output 1byte-low			1 byte	C	-	-	T	-	counter pulses (0..255)	Low
152	Logic 1	Output 1byte-high			1 byte	C	-	-	T	-	counter pulses (0..255)	Low

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Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
150	Logic 1	Input 4byte			4 bytes	C	-	W	-	U	counter pulses (unsigned)	Low
151	Logic 1	Output 2byte-low			2 bytes	C	-	-	T	-	pulses	Low
152	Logic 1	Output 2byte-high			2 bytes	C	-	-	T	-	pulses	Low

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Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
150	Logic 1	Input 3byte			3 bytes	C	-	W	-	U	RGB value 3x(0..255)	Low

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Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
150	Logic 1	Input 1byte-low			1 byte	C	-	W	-	U	counter pulses (0..255)	Low

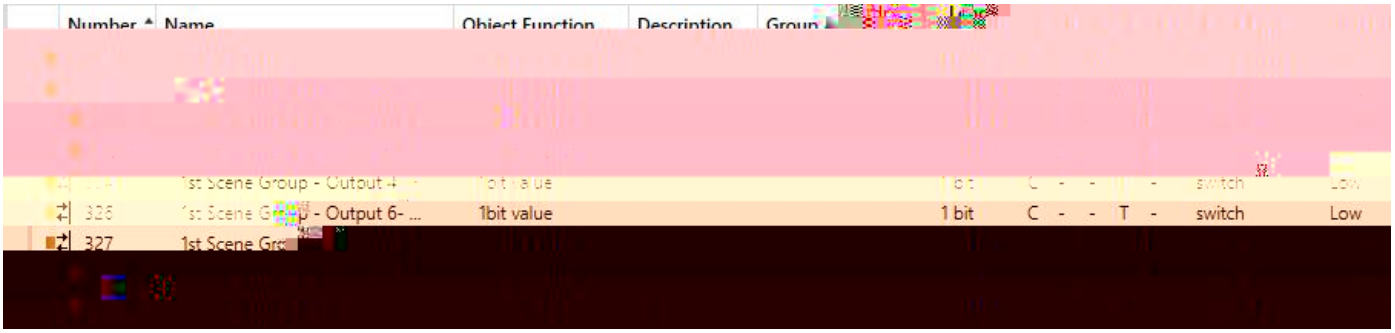
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Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	
186	Time 1	Trigger value			1 byte	C	-	W	-	-	counter pulses (0..255)	Low
187	Time 1	Outp			1 byte	C	-	-	T	-	counter pulses (0..255)	Low

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Number
Name
Object Function
Description
Group
1st Scene Group - Output 4
1bit value
1 bit
C - - - - switch Low
326
1st Scene Group - Output 6- ...
1bit value
1 bit
C - - T - switch Low
327
1st Scene Grp

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