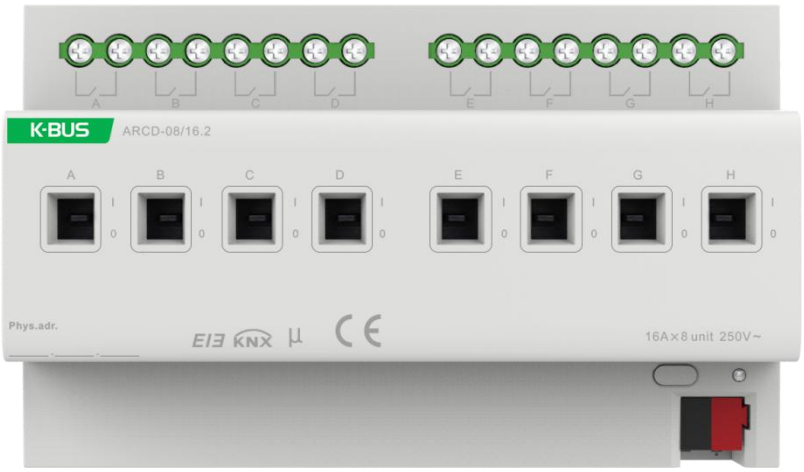
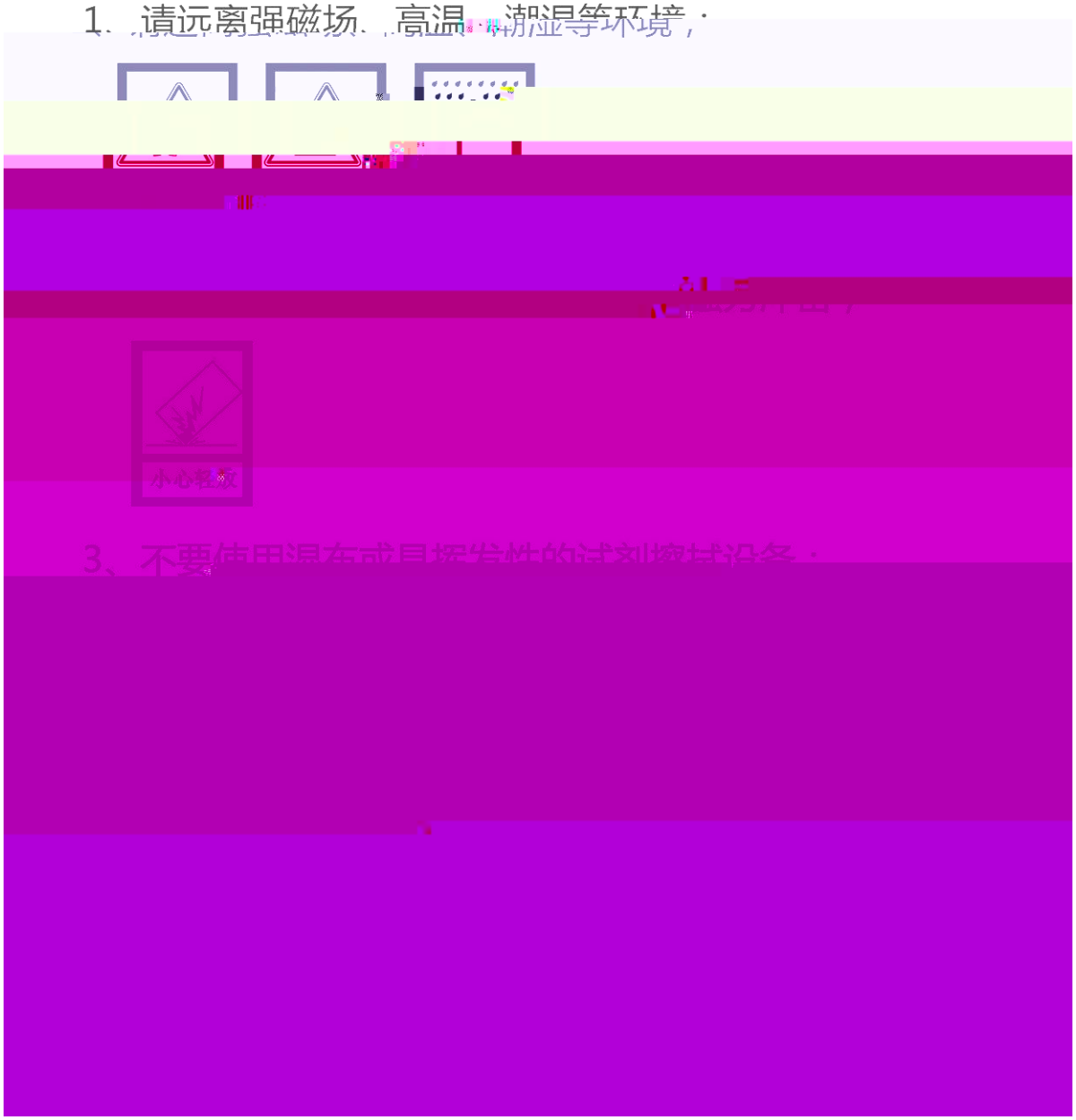
K-BUS®



注意事项

1、请远离强磁场、高温、潮湿等环境；



3、不要使用温右或具探发性的试剂擦拭设备；

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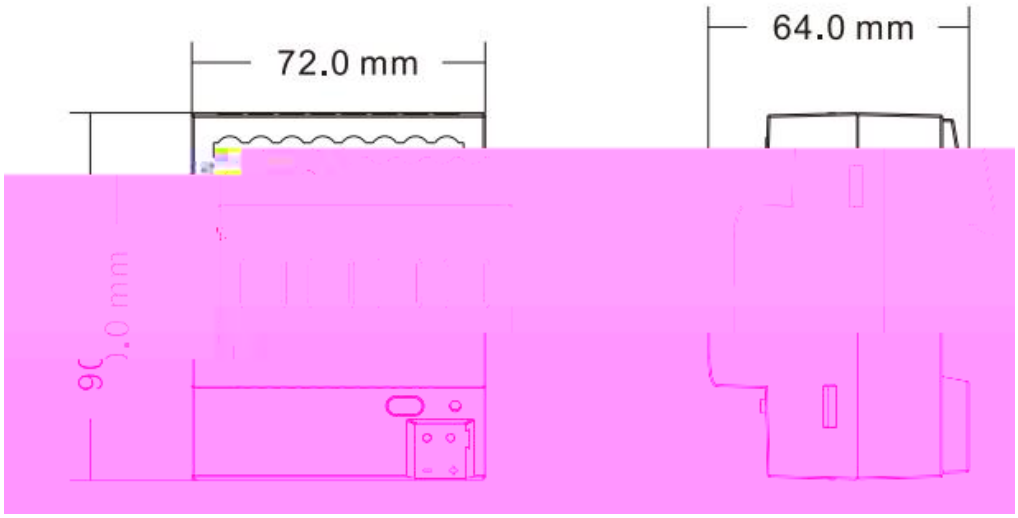
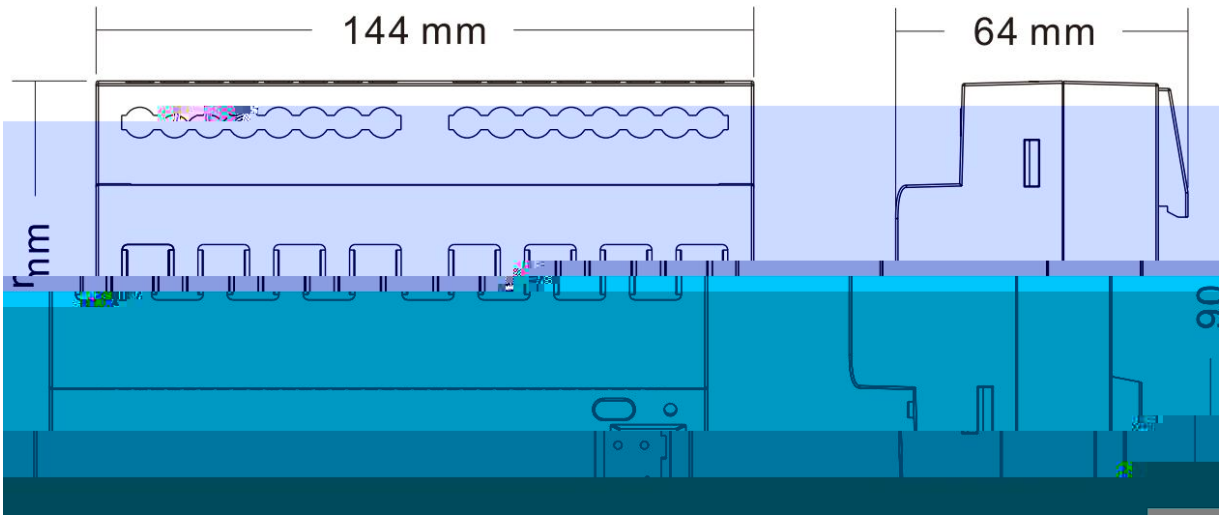
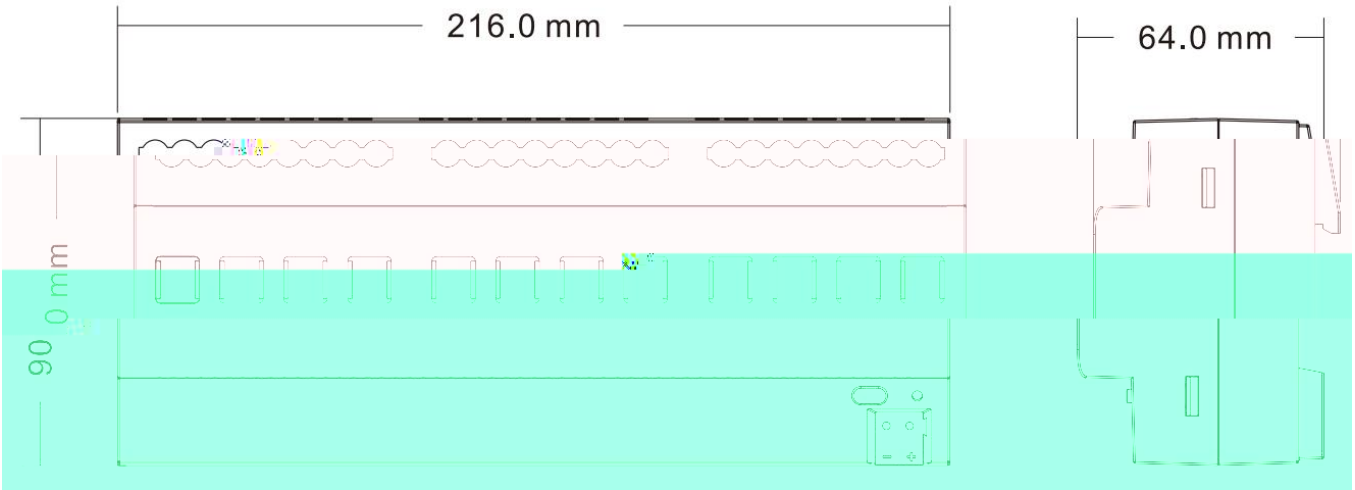
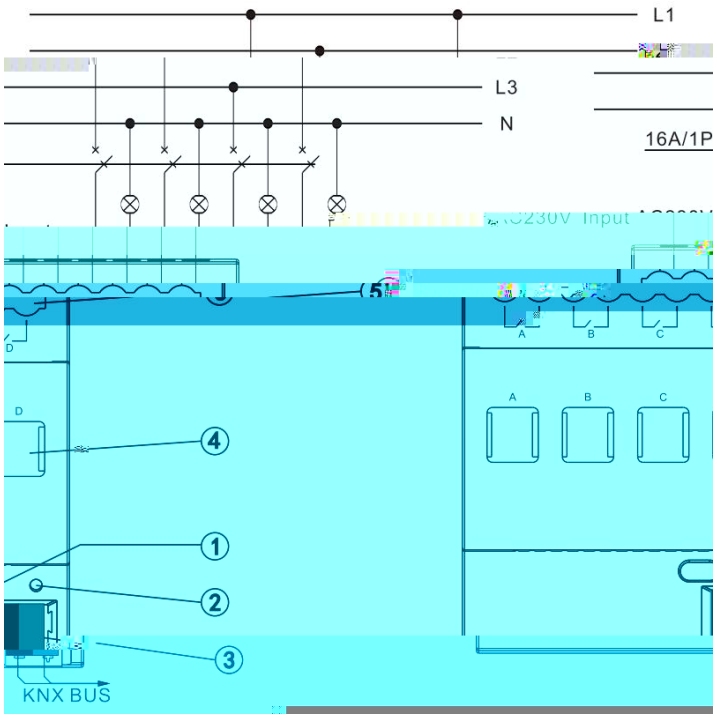
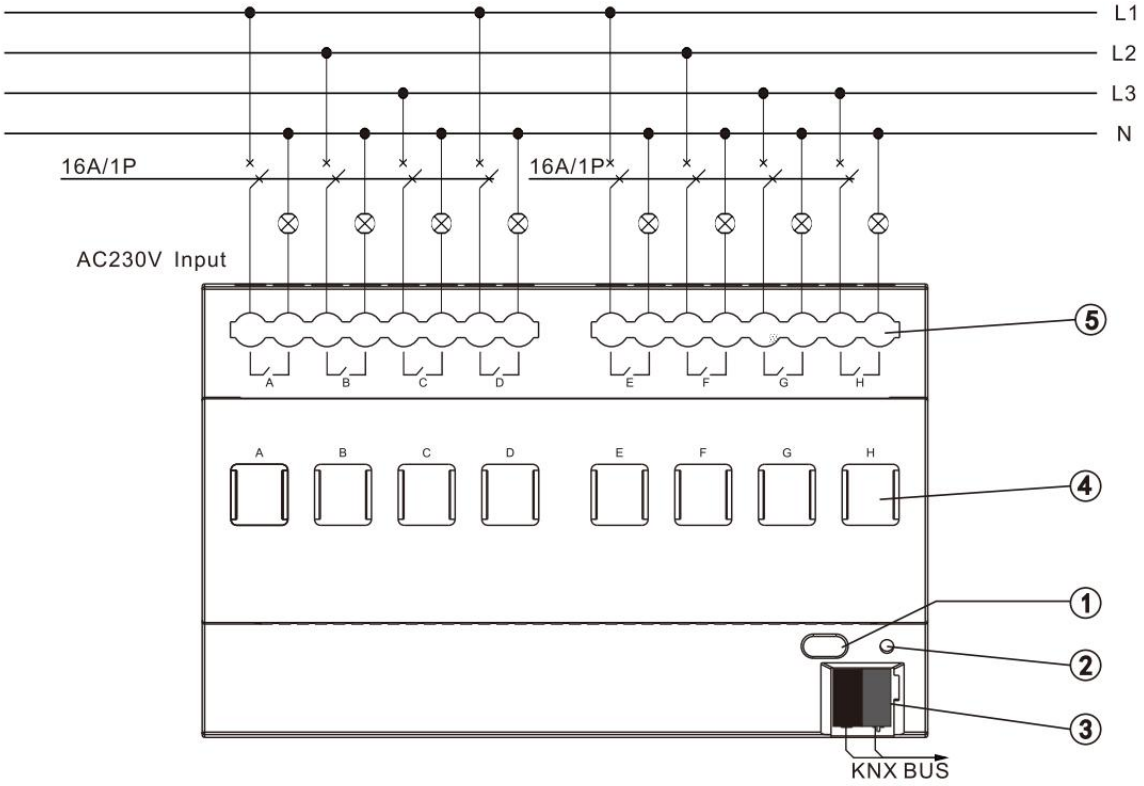
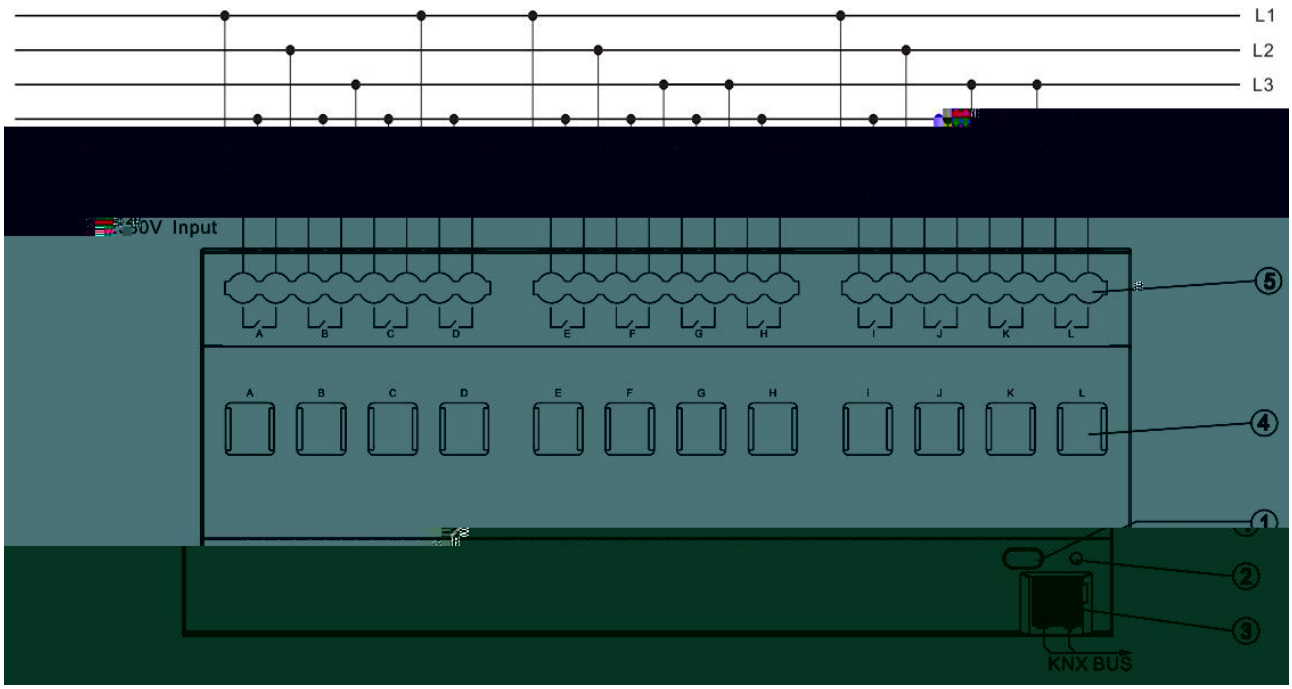

72.0 mm
64.0 mm

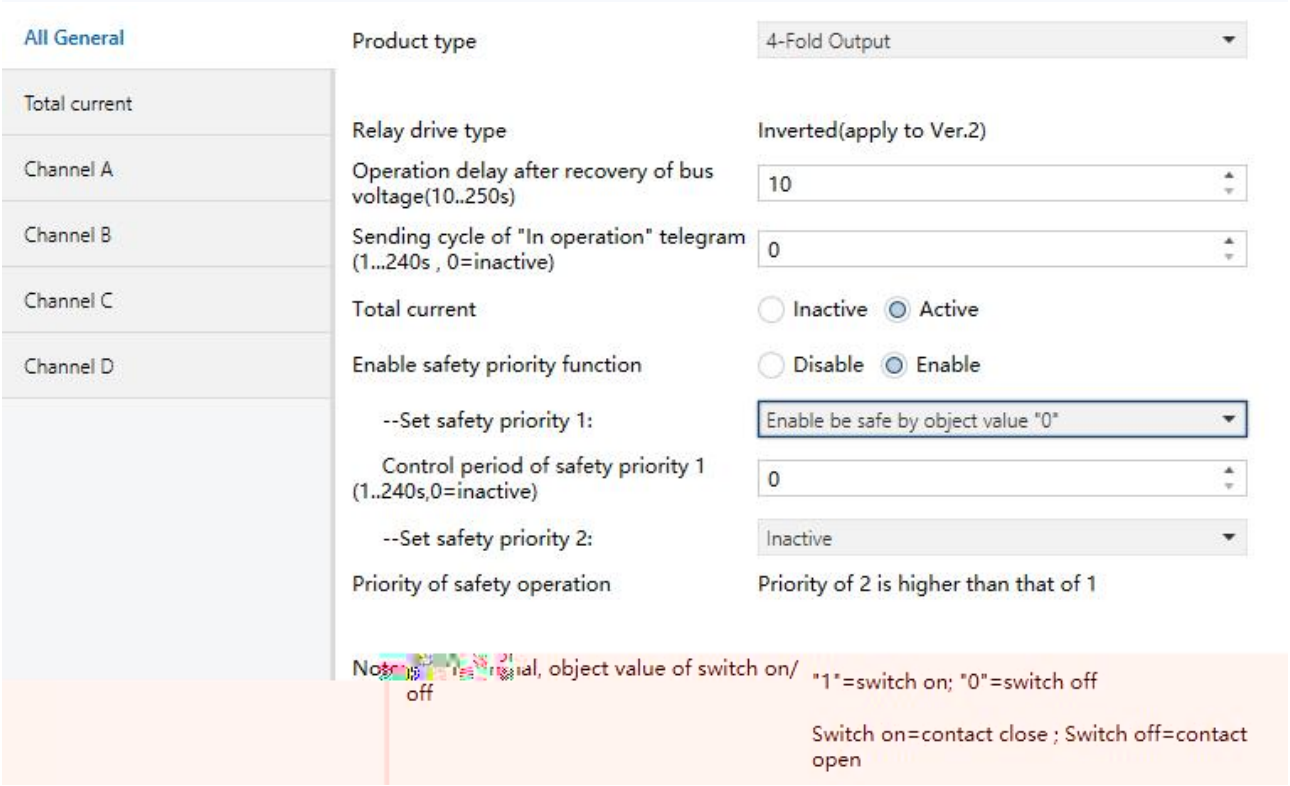

144 mm
64 mm

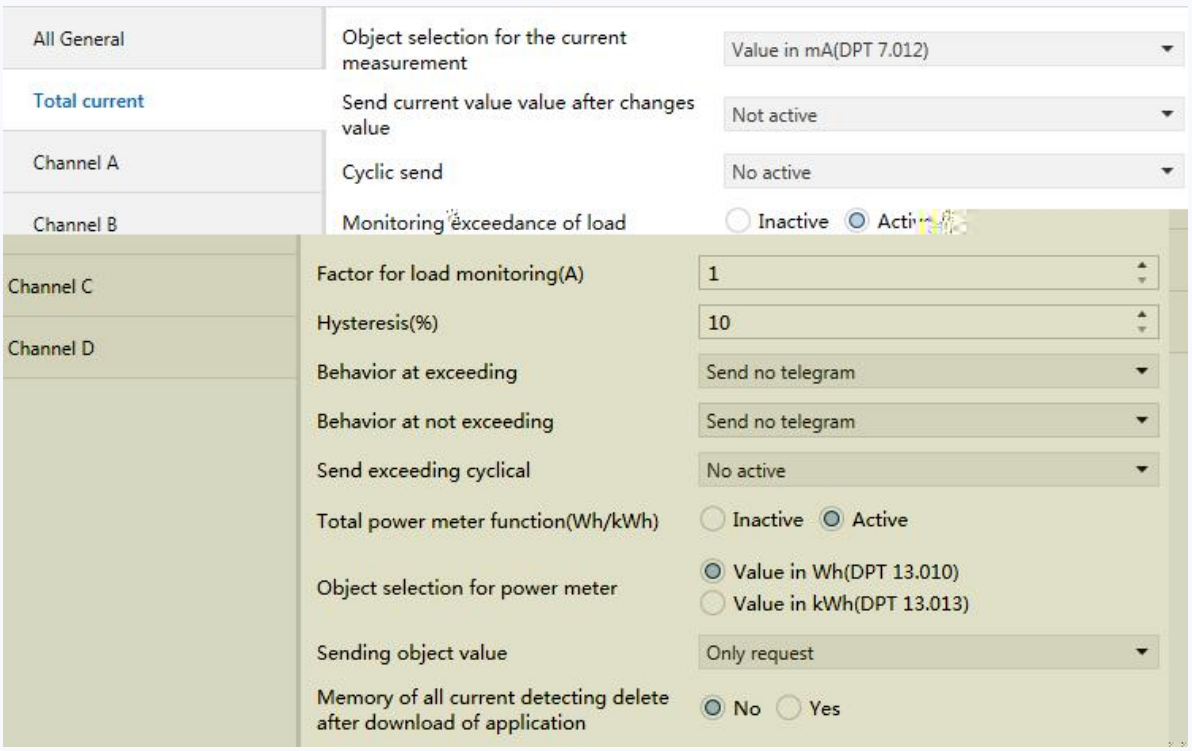

216.0 mm
64.0 mm


L1
L3
N
16A/1P
A
B
C
D
4
1
2
3
KNX BUS

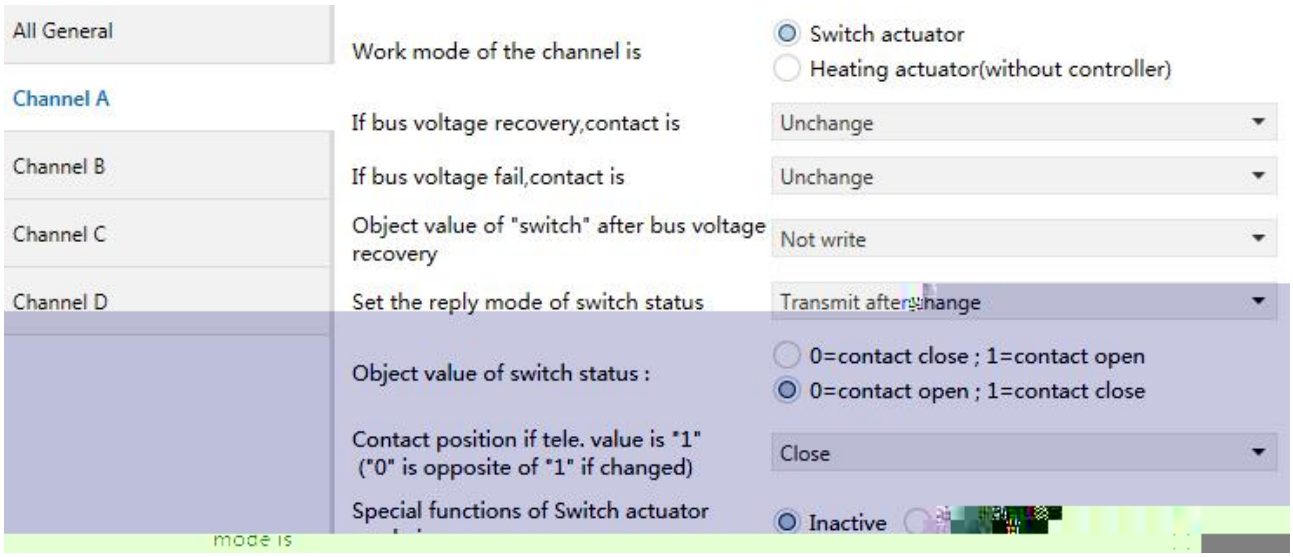

L1
L2
L3
N
16A/1P
16A/1P
AC230V Input
A
B
C
D
E
F
G
H
5
4
1
2
3
KNX BUS

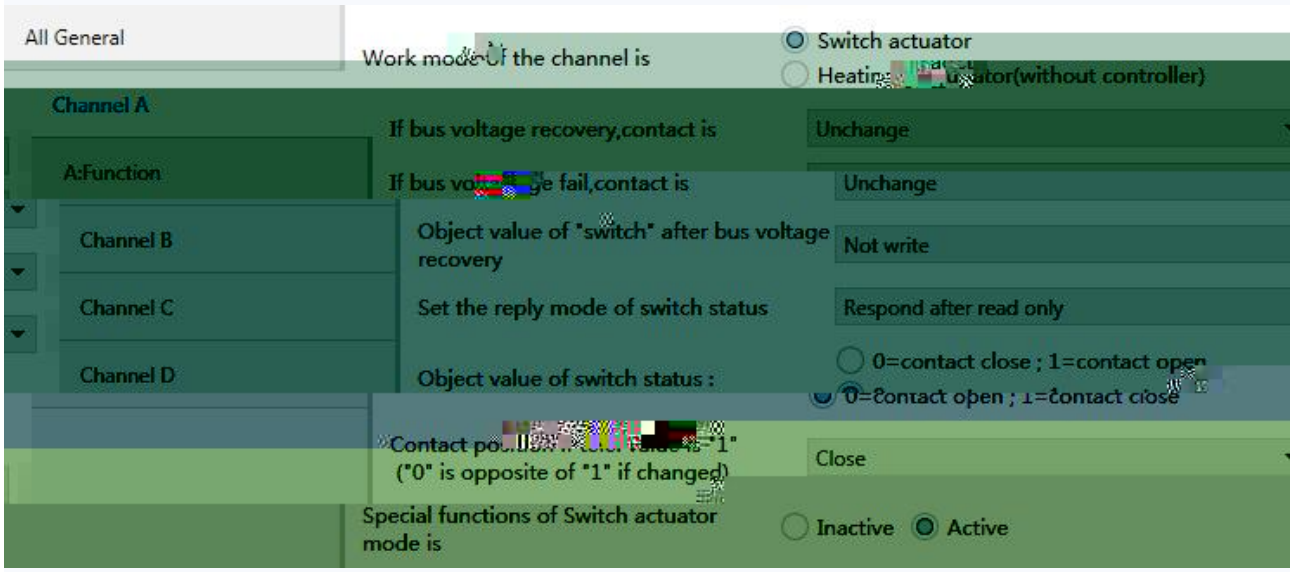

L1
L2
L3
230V Input
A
B
C
D
E
F
G
H
I
J
K
L
5
4
1
2
3
KNX BUS

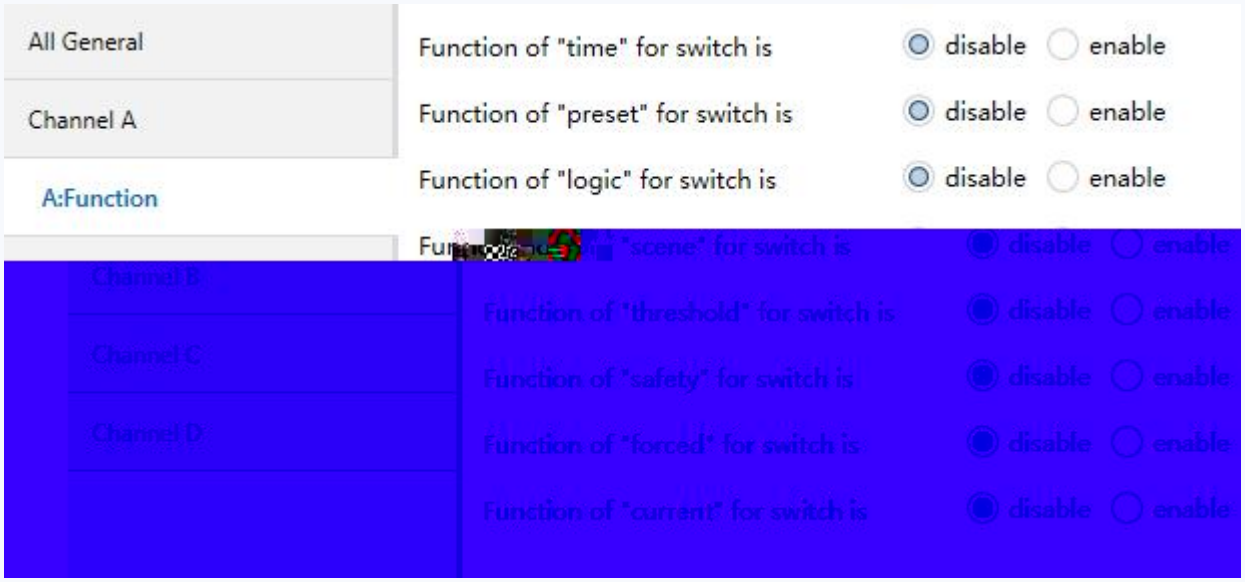

All General
Total current
Channel A
Channel B
Channel C
Channel D
Product type
4-Fold Output
Relay drive type
Inverted(apply to Ver.2)
Operation delay after recovery of bus voltage(10..250s)
10
Sending cycle of "In operation" telegram (1...240s , 0=inactive)
0
Total current
Inactive
Active
Enable safety priority function
Disable
Enable
--Set safety priority 1:
Enable be safe by object value "0"
Control period of safety priority 1 (1..240s,0=inactive)
0
--Set safety priority 2:
Inactive
Priority of safety operation
Priority of 2 is higher than that of 1
off
"1"=switch on; "0"=switch off
Switch on=contact close ; Switch off=contact open

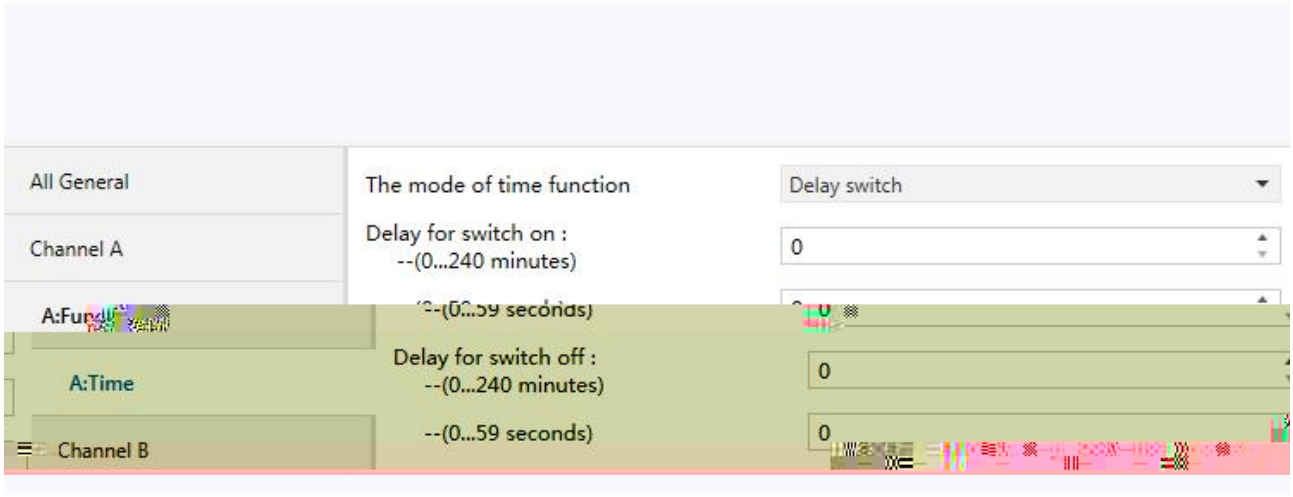

All General
Total current
Channel A
Channel B
Channel C
Channel D
Object selection for the current measurement
Value in mA(DPT 7.012)
Send current value value after changes value
Not active
Cyclic send
No active
Monitoring exceedance of load
Inactive
Factor for load monitoring(A)
1
Hysteresis(%)
10
Behavior at exceeding
Send no telegram
Behavior at not exceeding
Send no telegram
Send exceeding cyclical
No active
Total power meter function(Wh/kWh)
Inactive
Active
Object selection for power meter
Value in Wh(DPT 13.010)
Value in kWh(DPT 13.013)
Sending object value
Only request
Memory of all current detecting delete after download of application
No
Yes

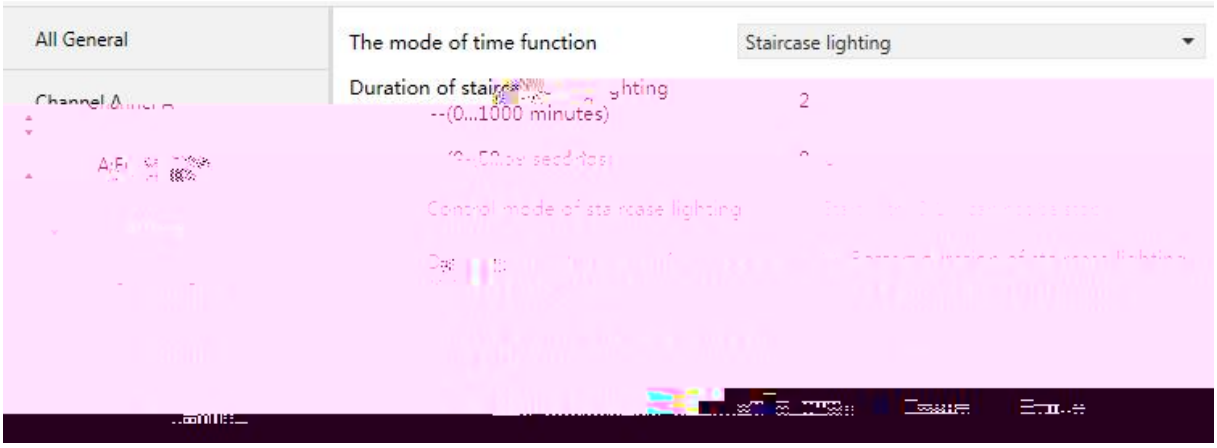
2.


All General
Channel A
Channel B
Channel C
Channel D
Work mode of the channel is
Switch actuator
Heating actuator(without controller)
If bus voltage recovery,contact is
Unchange
If bus voltage fail,contact is
Unchange
Object value of "switch" after bus voltage recovery
Not write
Set the reply mode of switch status
Transmit after change
Object value of switch status :
0=contact close ; 1=contact open
0=contact open ; 1=contact close
Contact position if tele. value is "1" ("0" is opposite of "1" if changed)
Close
Special functions of Switch actuator
Inactive
mode is

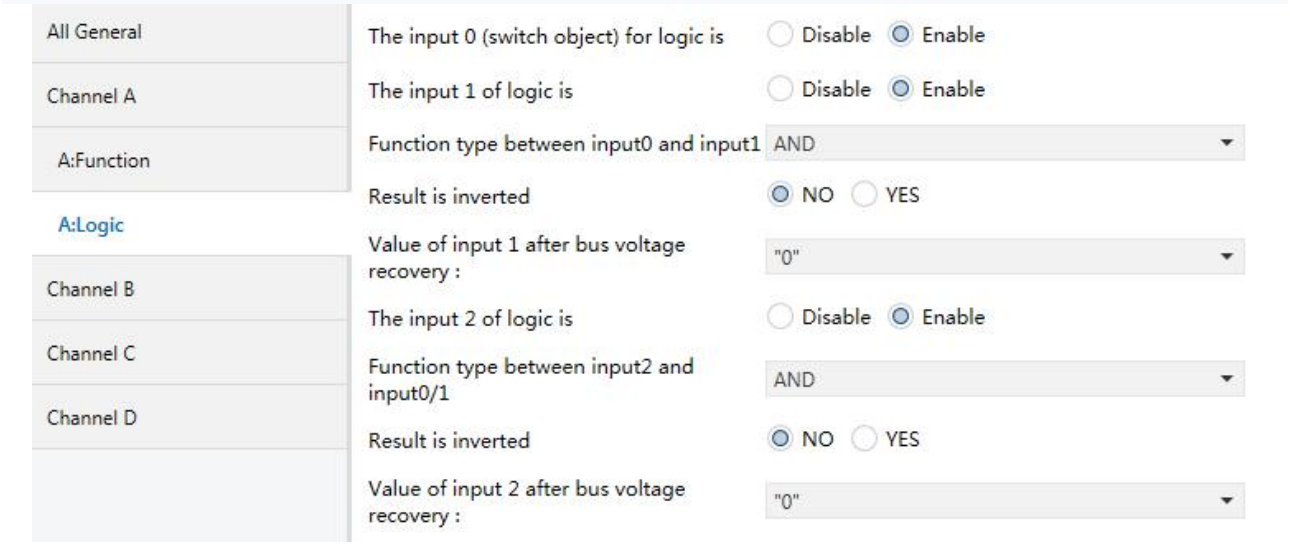

All General
Channel A
A:Function
Channel B
Channel C
Channel D
Work mode of the channel is
Switch actuator
Heating actuator(without controller)
If bus voltage recovery,contact is
Unchange
If bus voltage fail,contact is
Unchange
Object value of "switch" after bus voltage recovery
Not write
Set the reply mode of switch status
Respond after read only
Object value of switch status :
0=contact close ; 1=contact open
0=contact open ; 1=contact close
Contact position when value is "1" ("0" is opposite of "1" if changed)
Close
Special functions of Switch actuator mode is
Inactive
Active

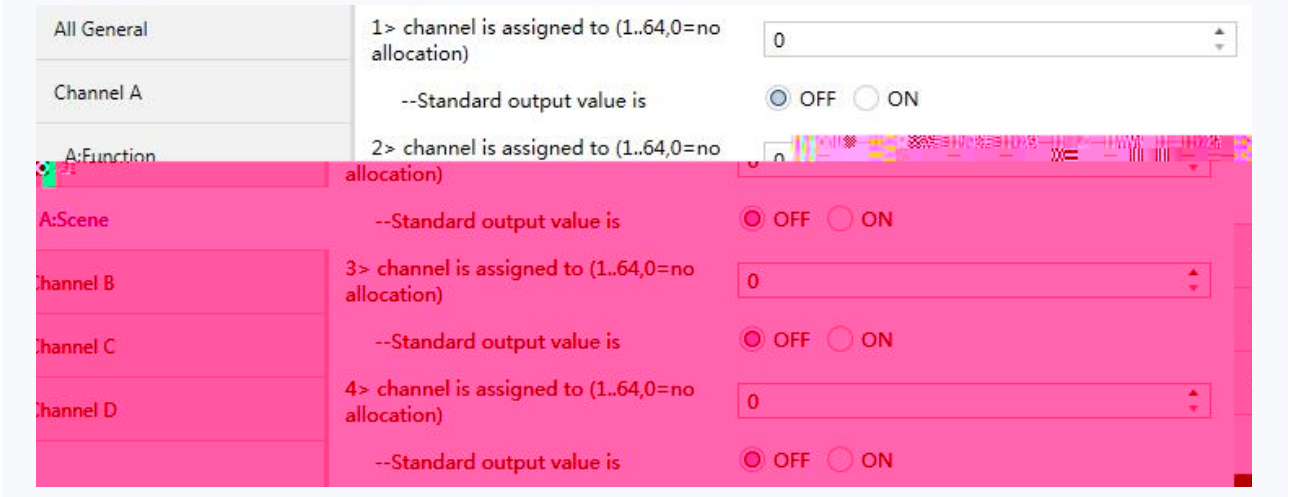

All General
Channel A
A:Function
Channel B
Channel C
Channel D
Function of "time" for switch is
disable
enable
Function of "preset" for switch is
disable
enable
Function of "logic" for switch is
disable
enable
Function of "scene" for switch is
disable
enable
Function of "threshold" for switch is
disable
enable
Function of "safety" for switch is
disable
enable
Function of "forced" for switch is
disable
enable
Function of "current" for switch is
disable
enable

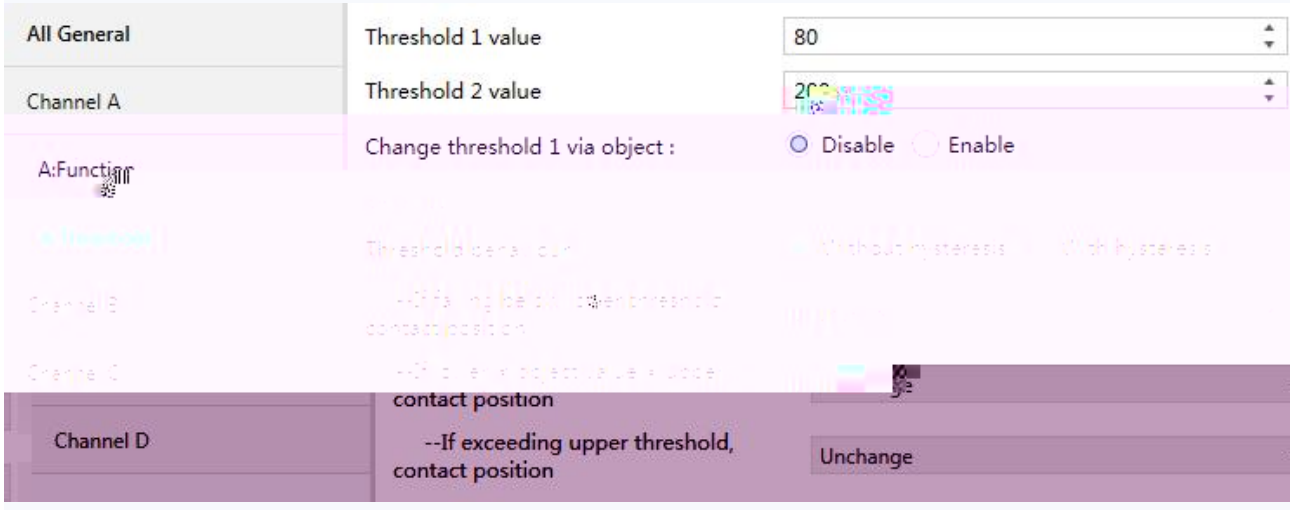

All General
Channel A
A:Fun
A:Time
Channel B
The mode of time function
Delay switch
Delay for switch on :
--(0...240 minutes)
0
--(0...59 seconds)
Delay for switch off :
--(0...240 minutes)
0
--(0...59 seconds)
0

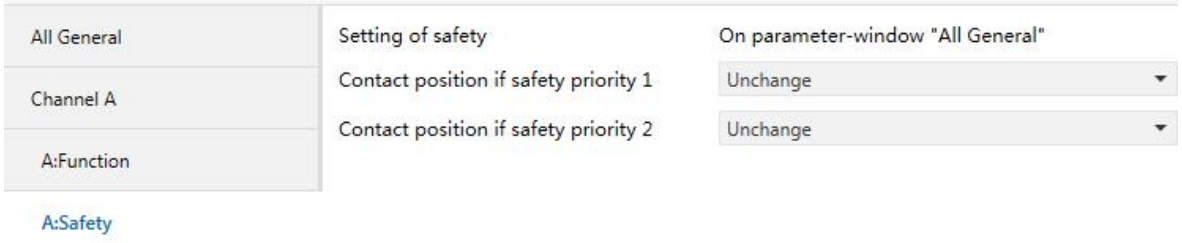

All General
The mode of time function
Staircase lighting
Duration of stair
--(0...1000 minutes)
2

All General
Action for preset 1(object value=0)
None
Action for preset 2(object value=1)
OFF
A:Function
Setting for preset via telegram is
Disable
Enable
A:Preset

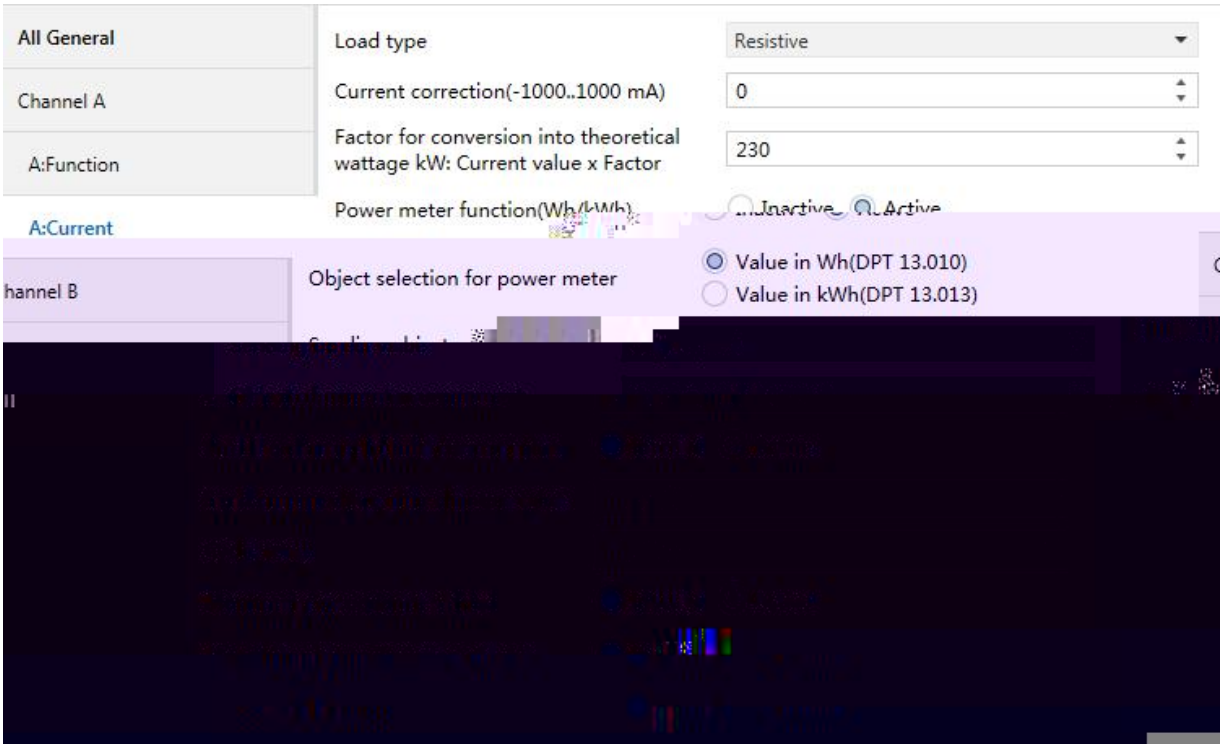

All General
Channel A
A:Function
A:Logic
Channel B
Channel C
Channel D
The input 0 (switch object) for logic is
Disable
Enable
The input 1 of logic is
Disable
Enable
Function type between input0 and input1
AND
Result is inverted
NO
YES
Value of input 1 after bus voltage recovery :
"0"
The input 2 of logic is
Disable
Enable
Function type between input2 and input0/1
AND
Result is inverted
NO
YES
Value of input 2 after bus voltage recovery :
"0"

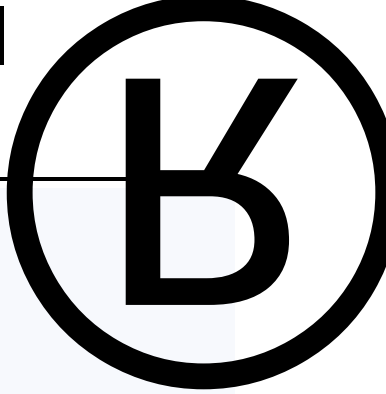

All General
Channel A
A:Function
A:Scene
Channel B
Channel C
Channel D
1> channel is assigned to (1..64,0=no allocation)
0
--Standard output value is
OFF
ON
2> channel is assigned to (1..64,0=no allocation)
--Standard output value is
OFF
ON
3> channel is assigned to (1..64,0=no allocation)
0
--Standard output value is
OFF
ON
4> channel is assigned to (1..64,0=no allocation)
0
--Standard output value is
OFF
ON


All General
Channel A
A:Functior
Threshold 1 value
80
Threshold 2 value
Change threshold 1 via object :
Disable
Enable
contact position
Channel D
--If exceeding upper threshold, contact position
Unchange


All General
Channel A
A:Function
A:Safety
Setting of safety
On parameter-window "All General"
Contact position if safety priority 1
Unchange
Contact position if safety priority 2
Unchange

All General
Channel A
A:Function
A:Forced
Forced operation type
1bit
2bit
Contact position if forced operation
Unchange


All General
Channel A
A:Function
A:Current
hannel B
Load type
Resistive
Current correction(-1000..1000 mA)
0
Factor for conversion into theoretical wattage kW: Current value x Factor
230
Power meter function(Wh/kWh)
Inactive
Active
Object selection for power meter
Value in Wh(DPT 13.010)
Value in kWh(DPT 13.013)



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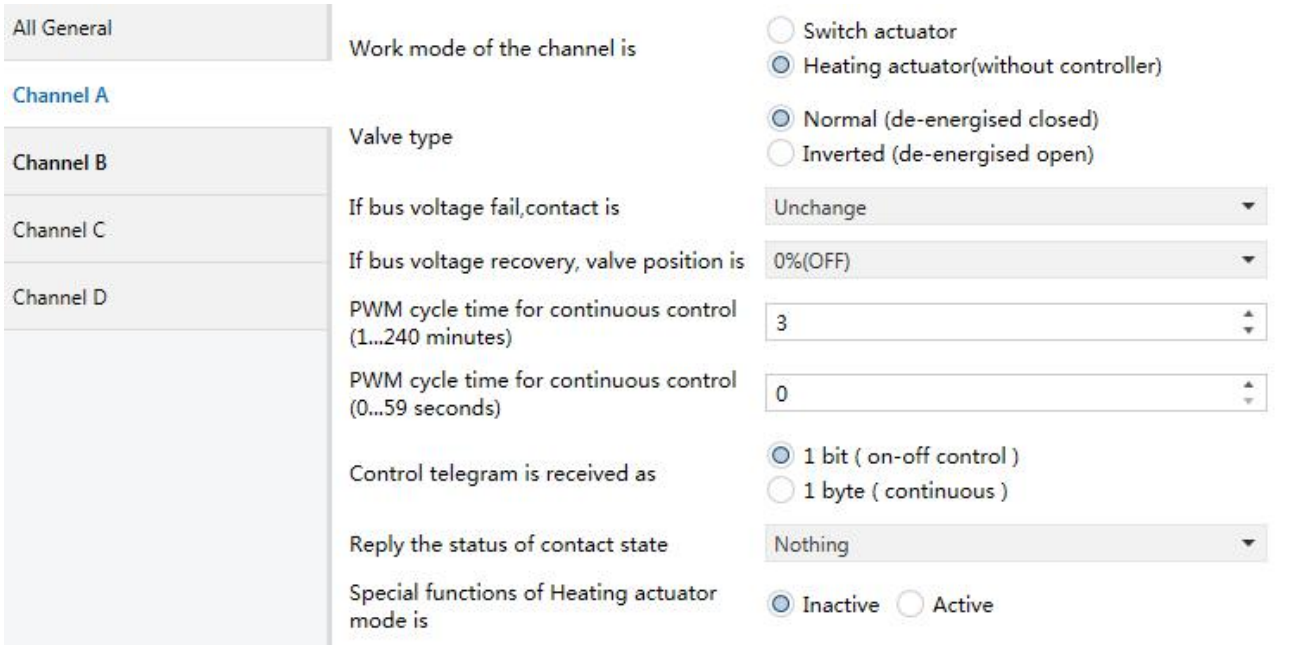
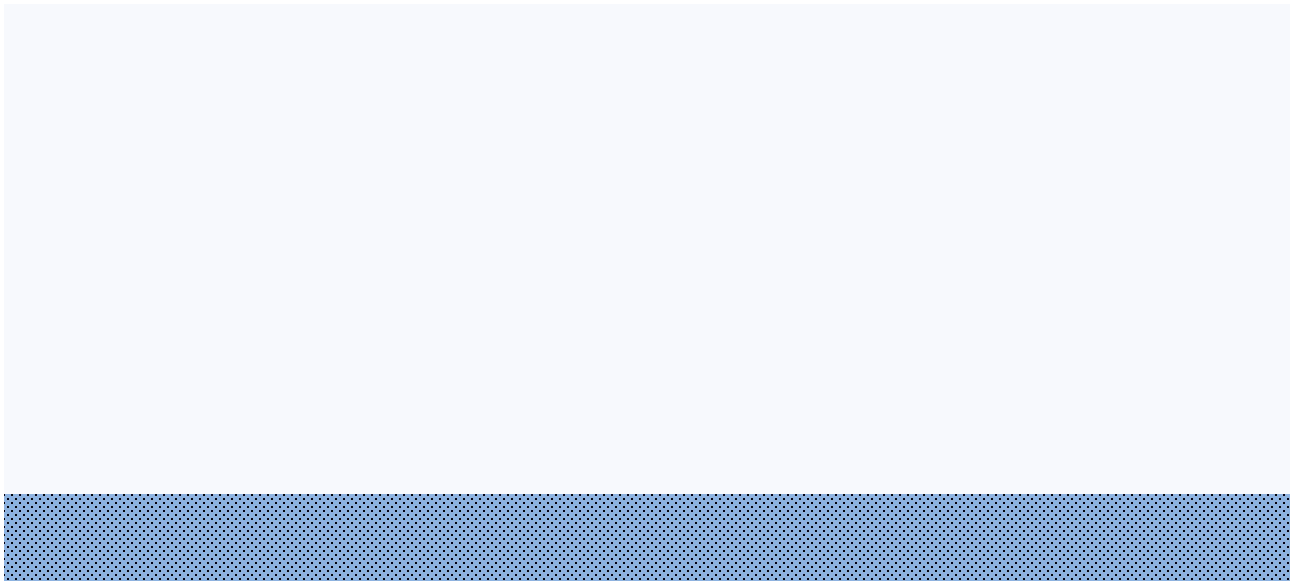
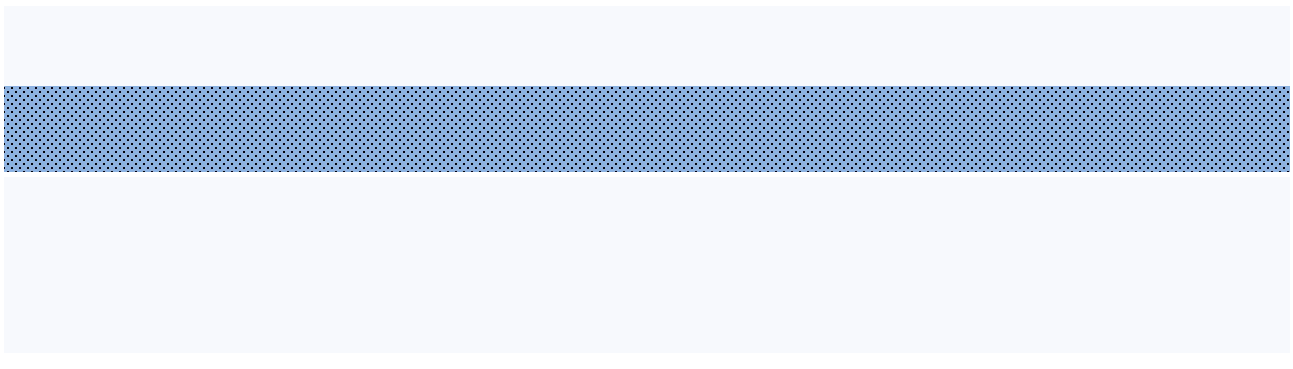
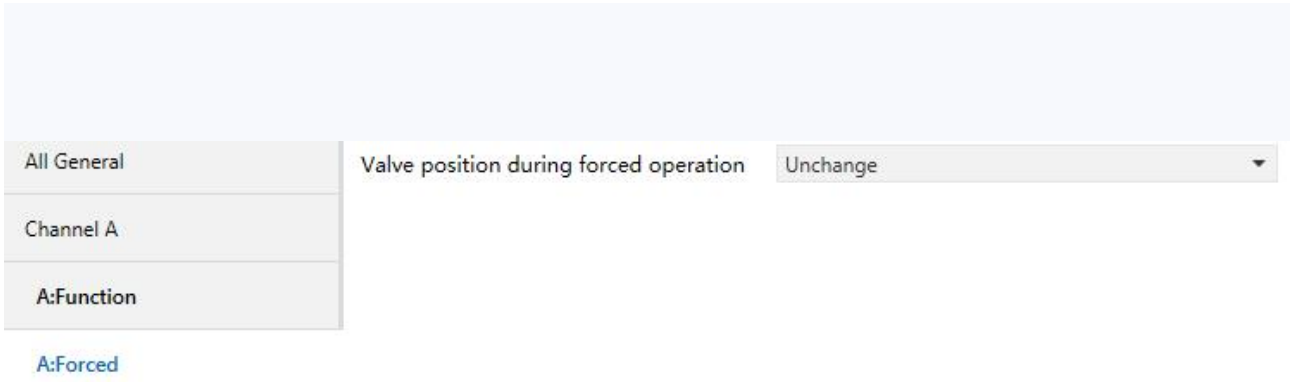
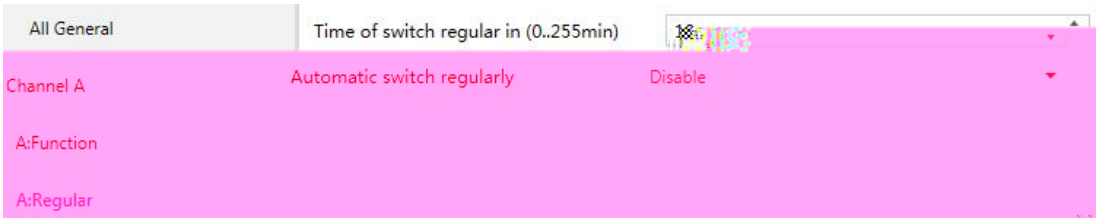

All General
Channel A
Channel B
Channel C
Channel D
Work mode of the channel is
Switch actuator
Heating actuator(without controller)
Valve type
Normal (de-energised closed)
Inverted (de-energised open)
If bus voltage fail,contact is
Unchange
If bus voltage recovery, valve position is
0%(OFF)
PWM cycle time for continuous control (1...240 minutes)
3
PWM cycle time for continuous control (0...59 seconds)
0
Control telegram is received as
1 bit (on-off control)
1 byte (continuous)
Reply the status of contact state
Nothing
Special functions of Heating actuator mode is
Inactive
Active






All General
Channel A
A:Function
A:Forced
Valve position during forced operation
Unchange


All General
Time of switch regular in (0..255min)
Channel A
Automatic switch regularly
Disable
A:Function
A:Regular

Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
1	General	In operation			1 bit	C	R	-	T	-	switch	Low
2	General	Safety priority 1			1 bit	C	-	W	-	U	enable	Low
3	General	Safety priority 2			1 bit	C	-	W	-	U	enable	Low

Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
4	Output A	Send the switch status, A			1 bit	C	R	-	T	-	switch	Low
5	Output A	Switch, A			1 bit	C	-	W	-	-	switch	Low
4	Output A	Reply the switch status, A			1 bit	C	R	-	T	-	switch	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
10	Output A	Call preset 1/2 , A			1 bit	C	-	W	-	-	scene	Low
11	Output A	Store preset 1/2, A			1 bit	C	-	W	-	-	scene	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
12	Output A	Input 1 of logic , A			1 bit	C	-	W	-	-	boolean	Low
13	Output A	Input 2 of logic , A			1 bit	C	-	W	-	-	boolean	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
14	Output A	Scene handle, A			1 byte	C	-	W	-	-	scene control	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
[illegible]												

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
17	Output A	Forced output , A			1 bit	C	-	W	-	-	enable	Low
17	Output A	Forced output , A			2 bit	C	-	W	-	-	switch control	Low

Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
8	Output A	Report fault, regulating , A			1 bit	C	R	-	T	-	alarm	Low

Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
17	Output A	Forced operation,regulating, A			1 bit	C	-	W	-	-	enable	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
11	Output A	Trigger switch regularly , A			1 bit	C	-	W	-	-	switch	Low