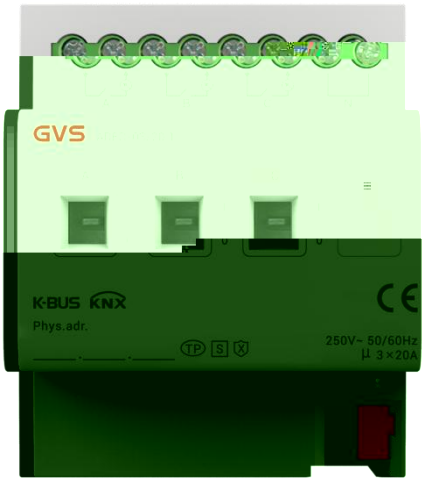
K-BUS


GVS
K-BUS KNX
Phys.adr.
250V~ 50/60Hz
μ 3×20A

GVS
A
B
C
D
E
F
K-BUS KNX
Phys.adr.

注意事项

1、请远离强磁场、高温、潮湿等环境；

2、不要将设备掉落在地上或使之受到强力冲击；

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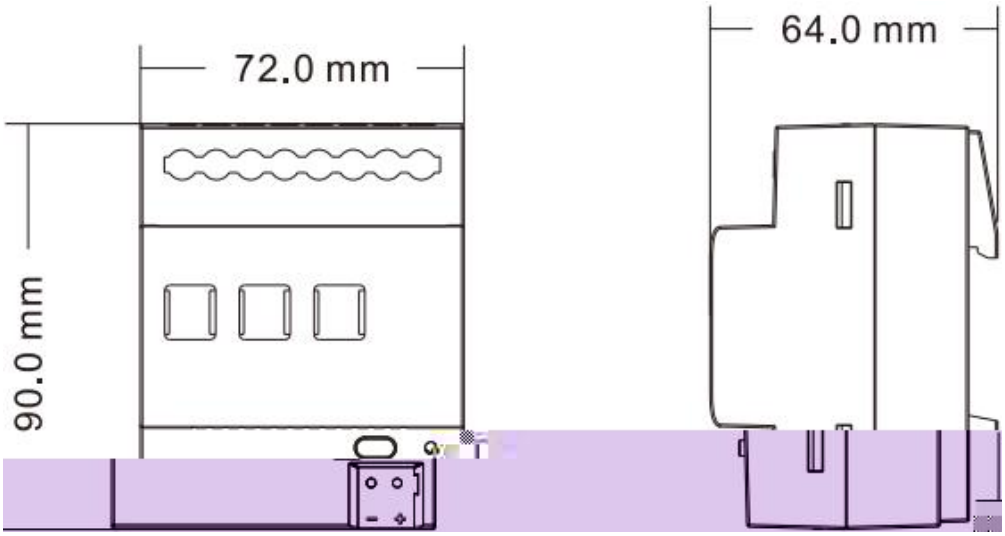
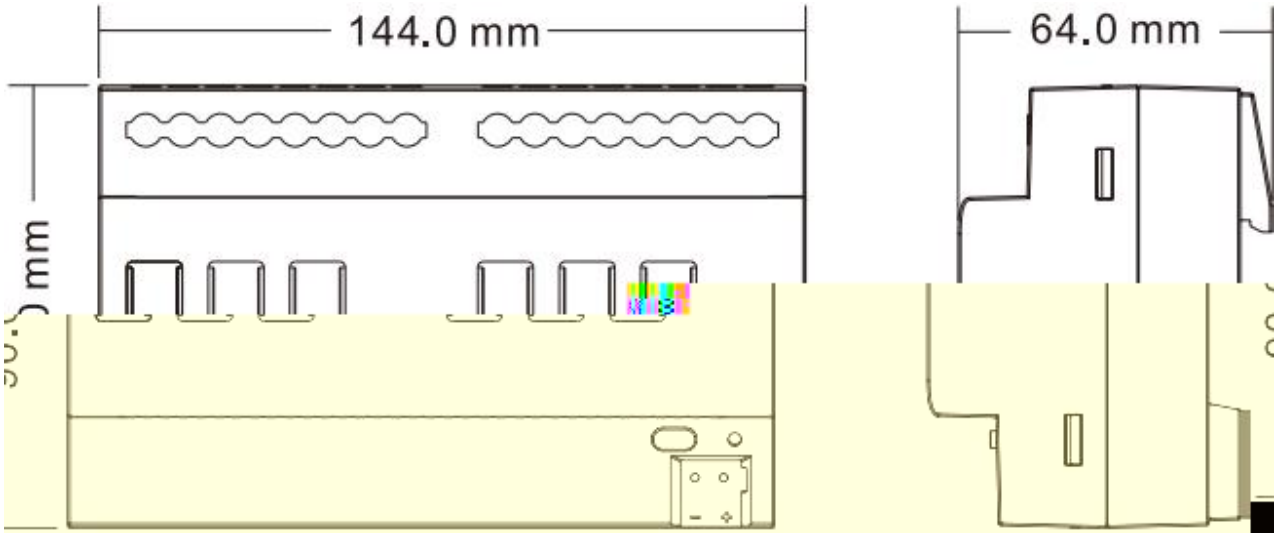
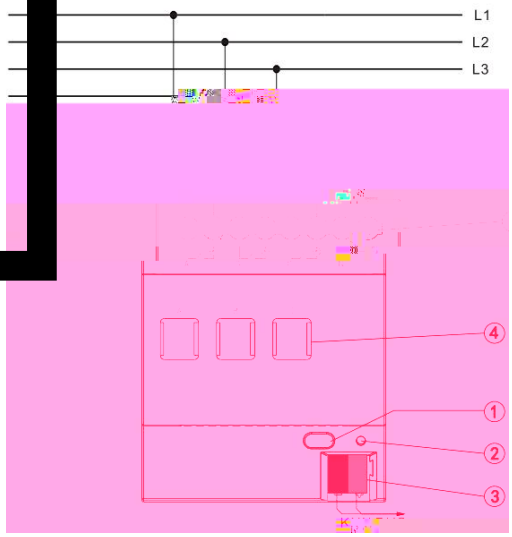
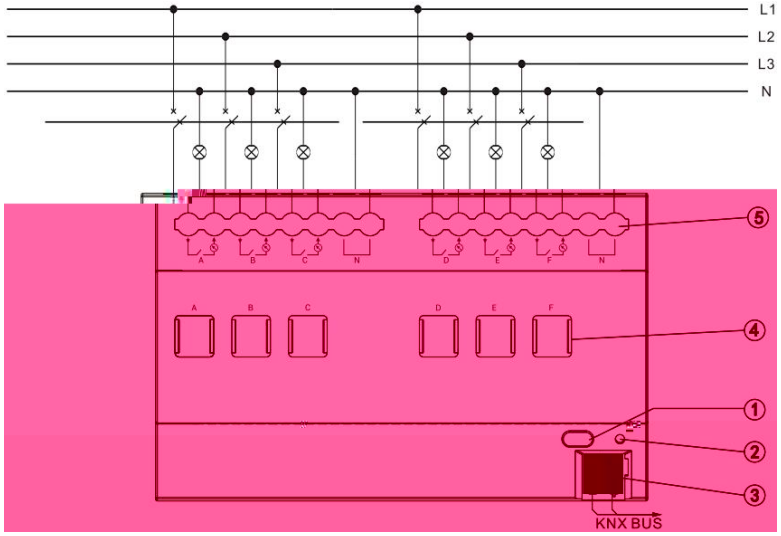

72.0 mm
64.0 mm
90.0 mm


144.0 mm
64.0 mm


L1
L2
L3
4
1
2
3


L1
L2
L3
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5
4
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KNX BUS

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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.

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

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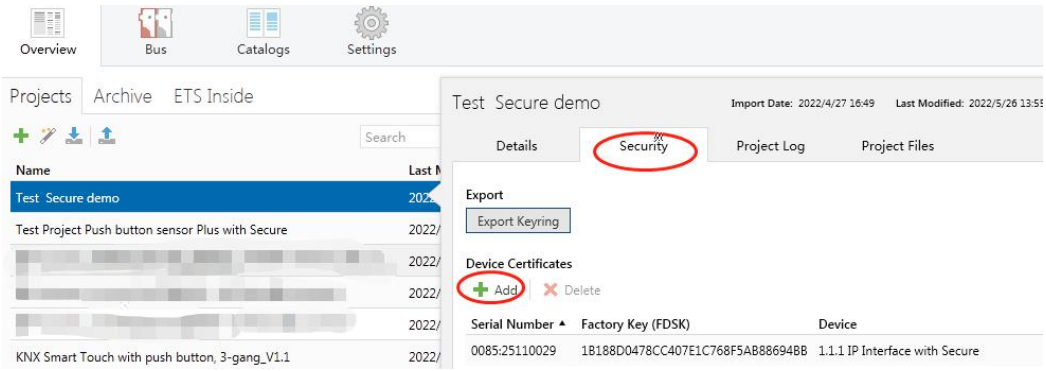
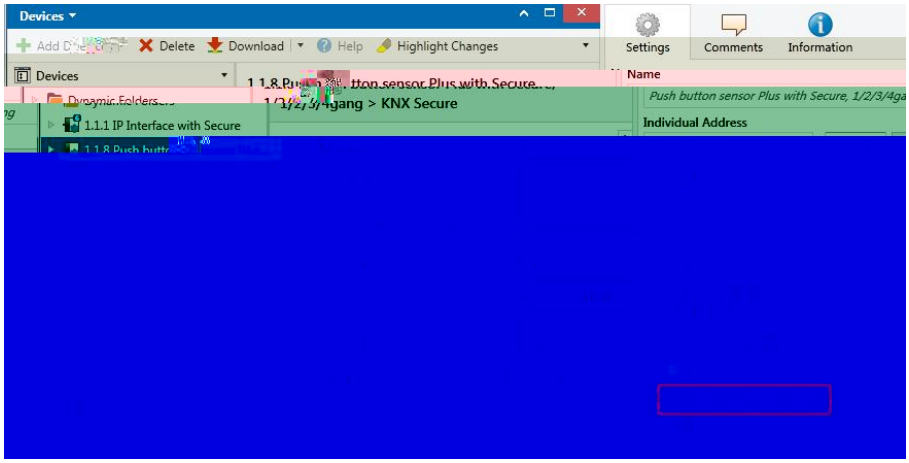

Overview
Bus
Catalogs
Settings
Projects
Archive
ETS Inside
Search
Name
Test Secure demo
Test Project Push button sensor Plus with Secure
KNX Smart Touch with push button, 3-gang_V1.1
Test Secure demo
Import Date: 2022/4/27 16:49
Last Modified: 2022/5/26 13:5
Details
Security
Project Log
Project Files
Export
Export Keyring
Device Certificates
Add
Delete
Serial Number
Factory Key (FDSK)
Device
0085:25110029
1B188D0478CC407E1C768F5AB88694BB
1.1.1 IP Interface with Secure


Devices
Delete
Download
Help
Highlight Changes
Settings
Comments
Information
Devices
Name
1.1.1 IP Interface with Secure
Individual Address

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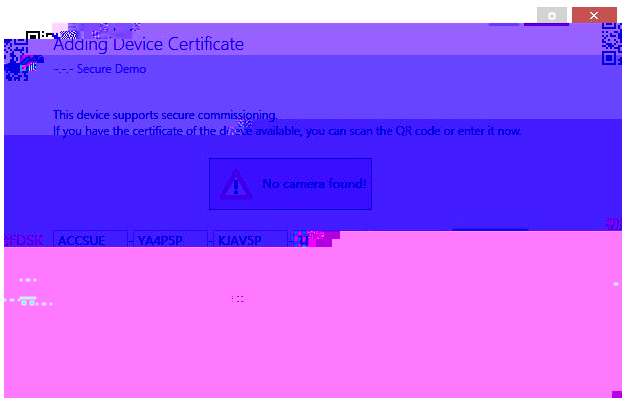
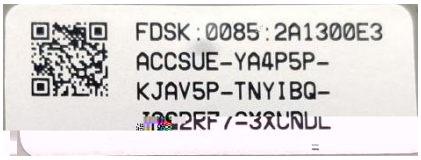
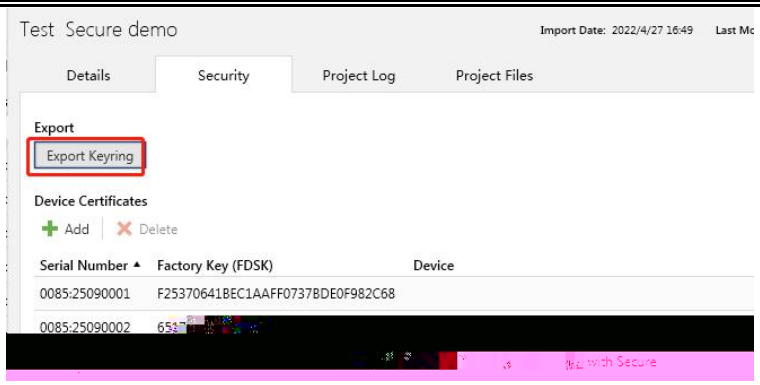

Adding Device Certificate
Secure Demo
This device supports secure commissioning.
If you have the certificate of the device available, you can scan the QR code or enter it now.
No camera found!
FDSK
ACCSUE
YA4P5P
KJAV5P


FDSK:0085:2A1300E3
ACCSUE-YA4P5P-
KJAV5P-TNYIBQ-

GVS K-BUS


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

“ ”

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1.1.8 Secure demo
The requested operation requires that the local interface, the remote device...
Device Info: Failed
The requested operation requires that the local interface, the remote device and any couplers in between support long frames.
Connection: K-BUS USB Interface(RF) (Video-Star)
Start: 17:51:02
End: 17:51:02

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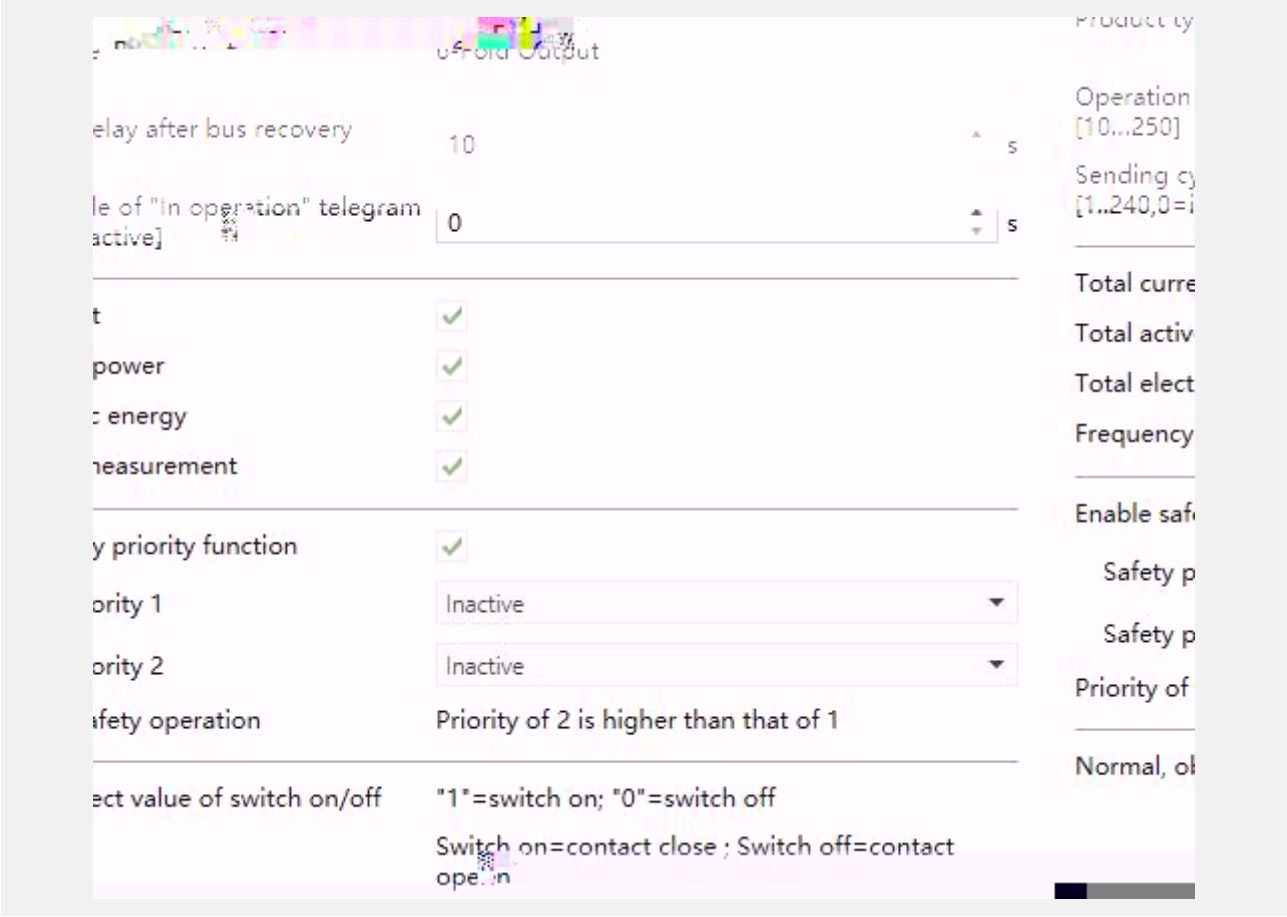
elay after bus recovery
10
s
0
s
power
energy
easurement
y priority function
ority 1
Inactive
ority 2
Inactive
fety operation
Priority of 2 is higher than that of 1
ect value of switch on/off
"1"=switch on; "0"=switch off
Switch on=contact close ; Switch off=contact
Operation
[10...250]
Total curre
Total activ
Total elect
Frequency
Enable saf
Safety p
Safety p
Priority of
Normal, o

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Object selection for the current measurement
Float Value in mA(DPT 9.021)
Value in A(DPT 14.019)
Send current value after ch

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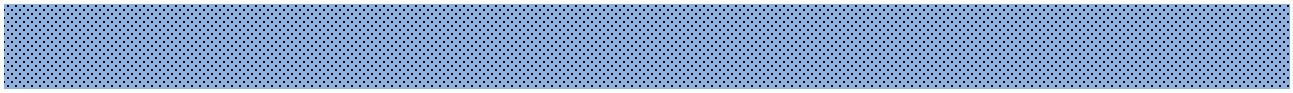

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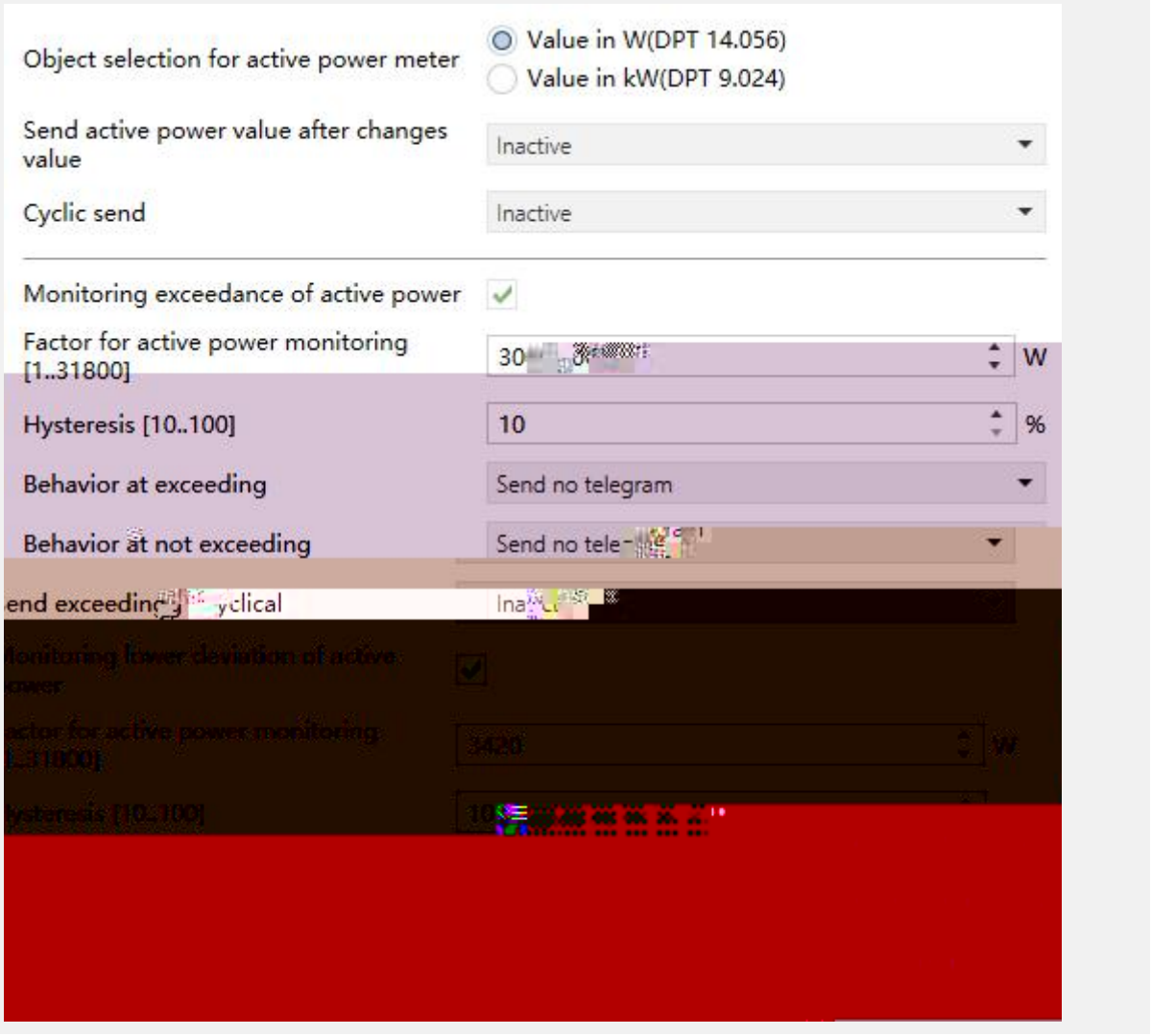
Object selection for active power meter
Value in W(DPT 14.056)
Value in kW(DPT 9.024)
Send active power value after changes value
Inactive
Cyclic send
Inactive
Monitoring exceedance of active power
Factor for active power monitoring [1..31800]
W
Hysteresis [10..100]
10
%
Behavior at exceeding
Send no telegram
Behavior at not exceeding
Send no tele
end exceeding
yclical
Ina
Monitoring lower deviation of active power
actor for active power monitoring [..31800]
3420
W
ysteresis [10..100]

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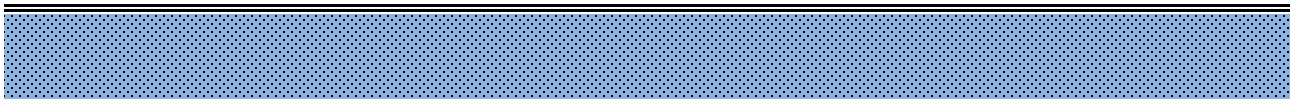

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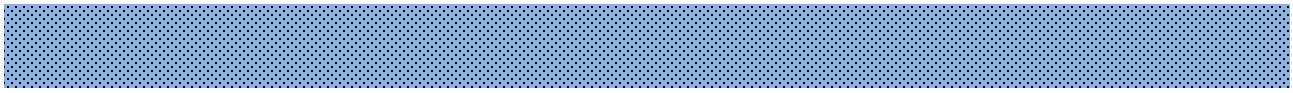

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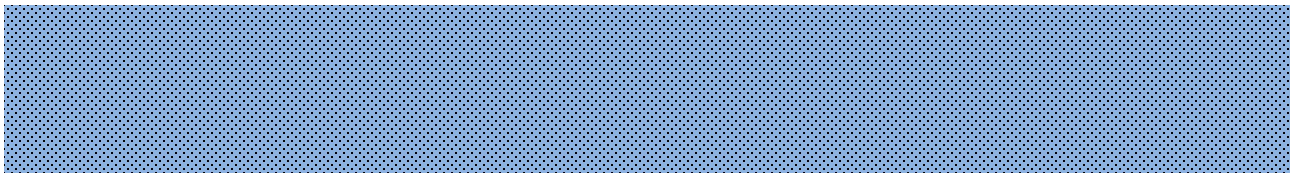

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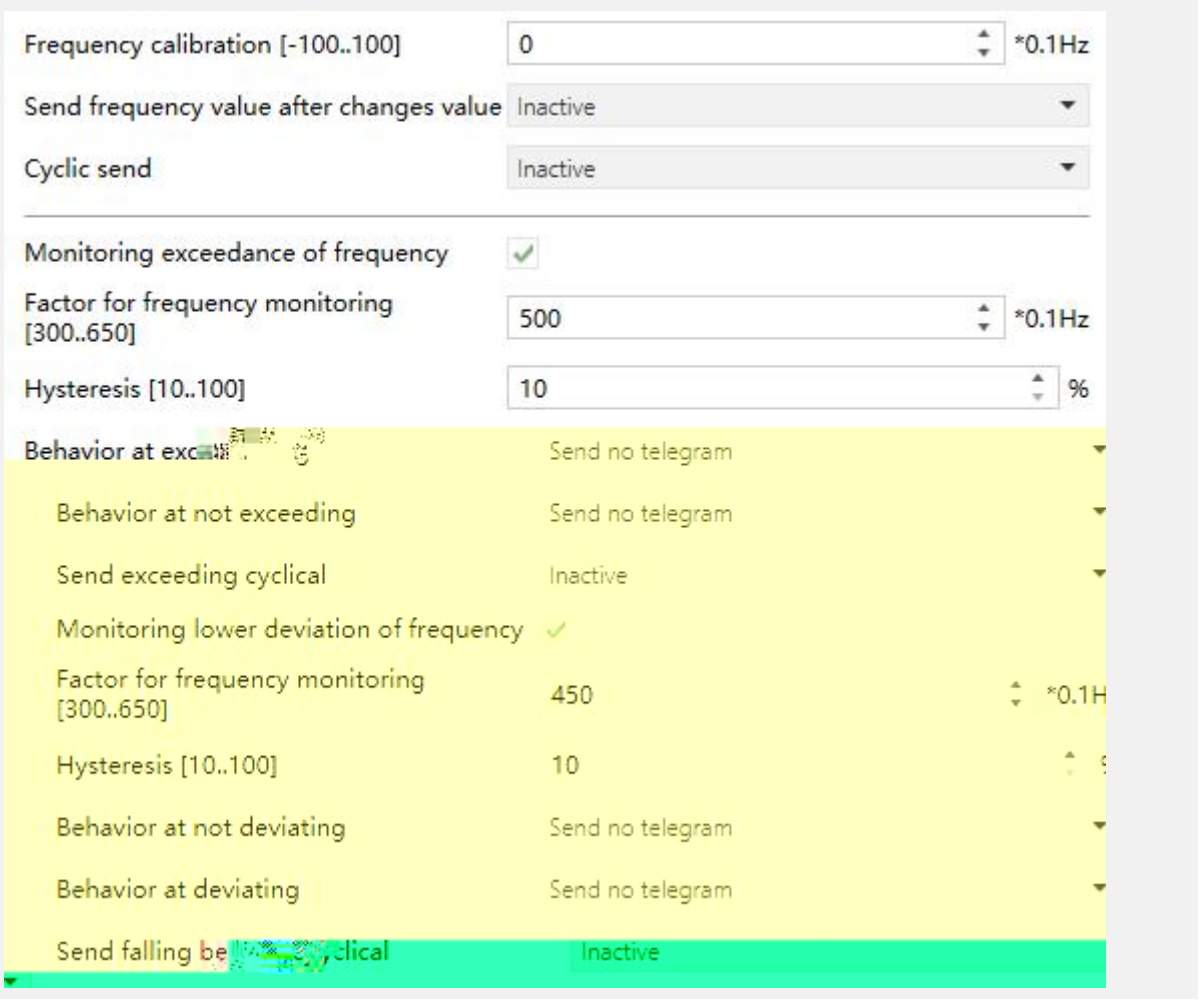
Frequency calibration [-100..100]
0
*0.1Hz
Send frequency value after changes value
Inactive
Cyclic send
Inactive
Monitoring exceedance of frequency
Factor for frequency monitoring [300..650]
500
*0.1Hz
Hysteresis [10..100]
10
%
Behavior at exc
Send no telegram
Behavior at not exceeding
Send no telegram
Send exceeding cyclical
Inactive
Monitoring lower deviation of frequency
Factor for frequency monitoring [300..650]
450
*0.1H
Hysteresis [10..100]
10
Behavior at not deviating
Send no telegram
Behavior at deviating
Send no telegram
Send falling be
clical
Inactive

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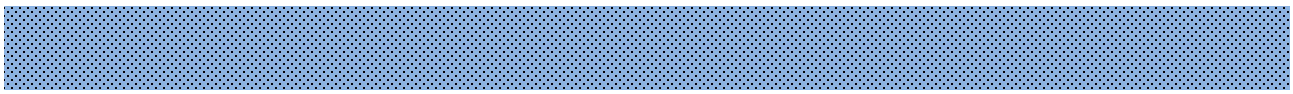

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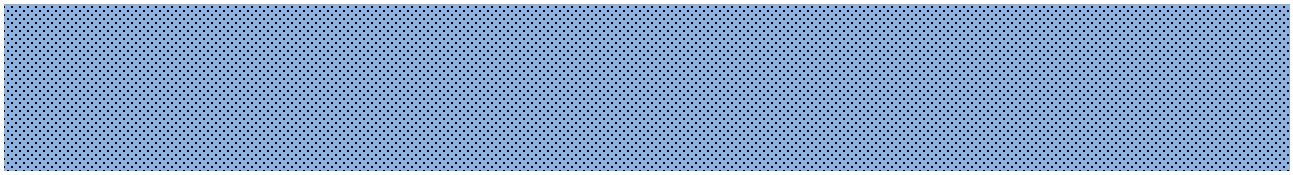

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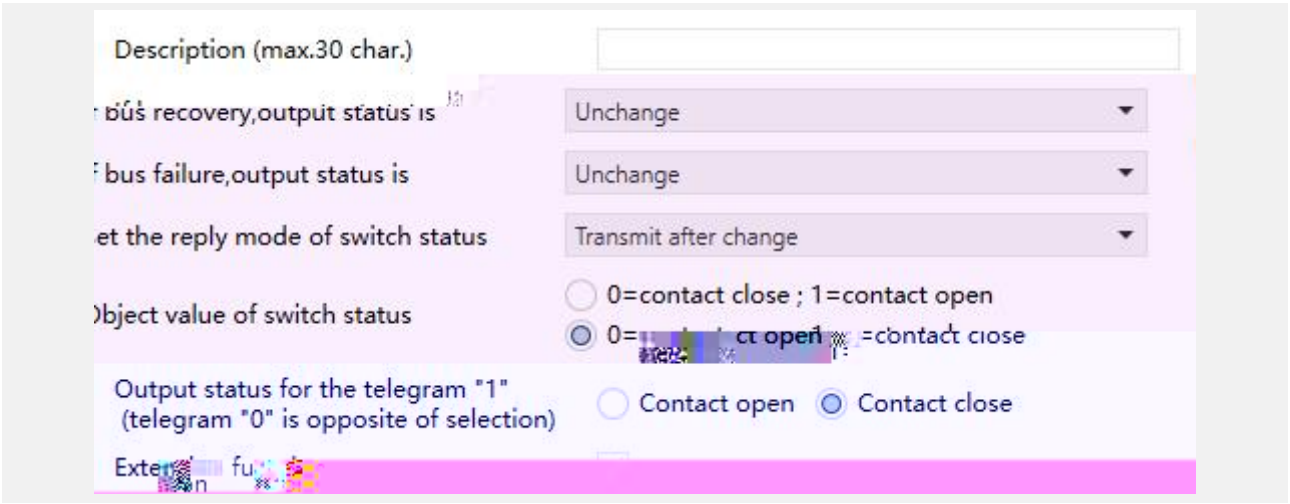
Description (max.30 char.)
bus recovery,output status is
Unchange
bus failure,output status is
Unchange
et the reply mode of switch status
Transmit after change
bject value of switch status
0=contact close ; 1=contact open
Output status for the telegram "1"
(telegram "0" is opposite of selection)
Contact open
Contact close

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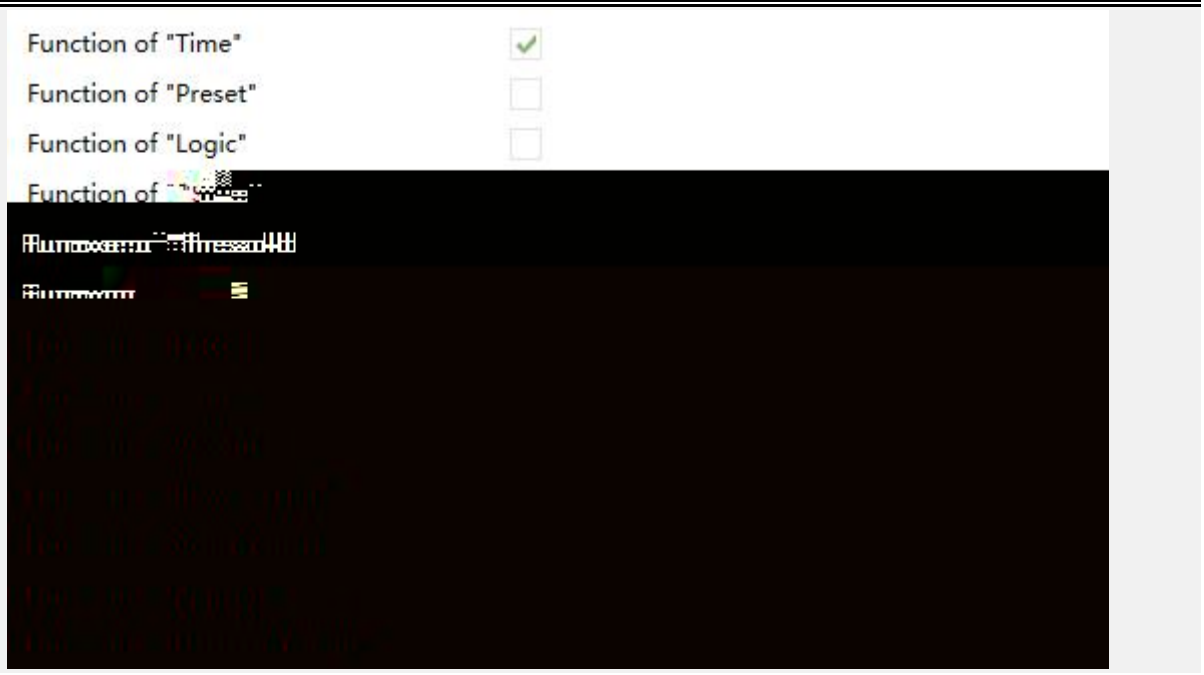
Function of "Time"
Function of "Preset"
Function of "Logic"

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Type of time function
Delay

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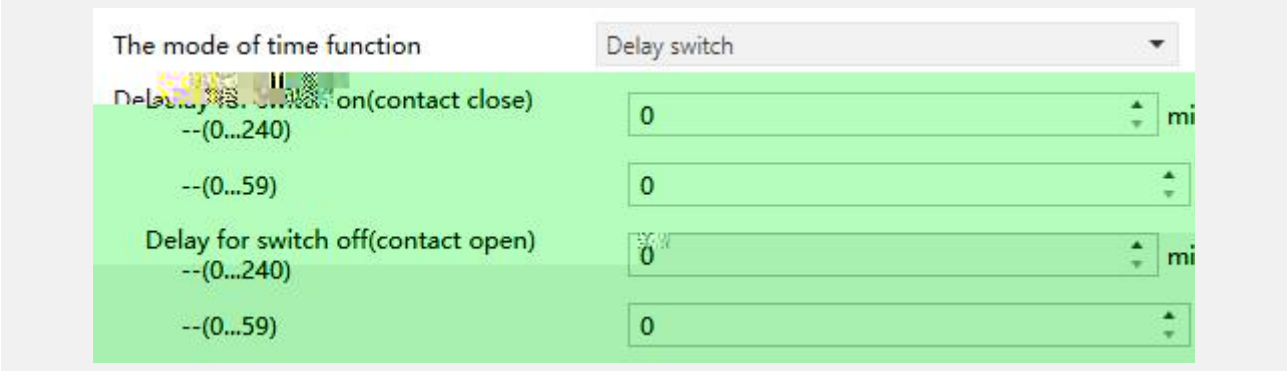
The mode of time function
Delay switch
on(contact close)
--(0...240)
0
--(0...59)
0
Delay for switch off(contact open)
--(0...240)
0
--(0...59)
0

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The mode of time function
Flashing switch
Duration of switch on(contact close)
--(0...240)
0
min
s
Duration of switch off(contact
--(0...240)
min
--(0...59)
5
s
1..255,0=no
0
limited]
Output status after

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k k

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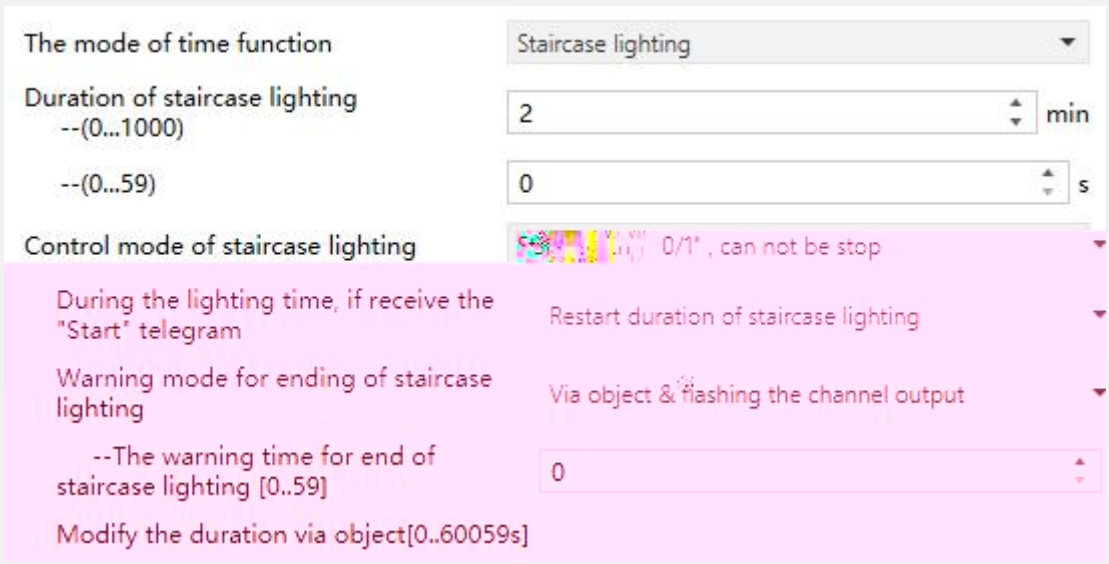
The mode of time function
Staircase lighting
Duration of staircase lighting
--(0...1000)
2
min
--(0...59)
0
s
Control mode of staircase lighting
0/1", can not be stop
During the lighting time, if receive the "Start" telegram
Restart duration of staircase lighting
Warning mode for ending of staircase lighting
Via object & flashing the channel output
--The warning time for end of staircase lighting [0..59]
0
Modify the duration via object[0..60059s]

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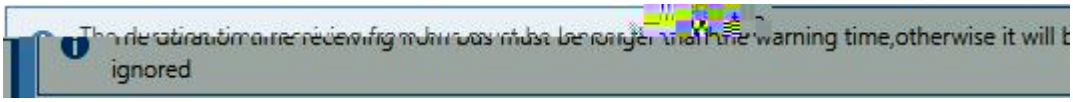

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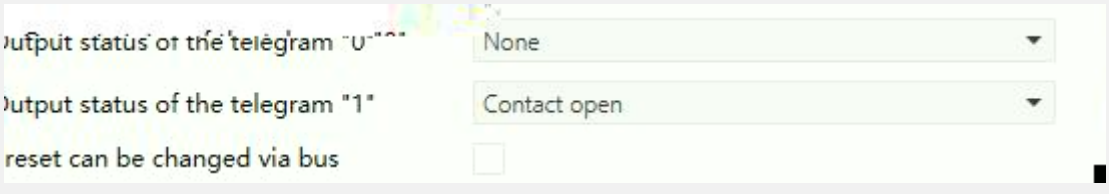

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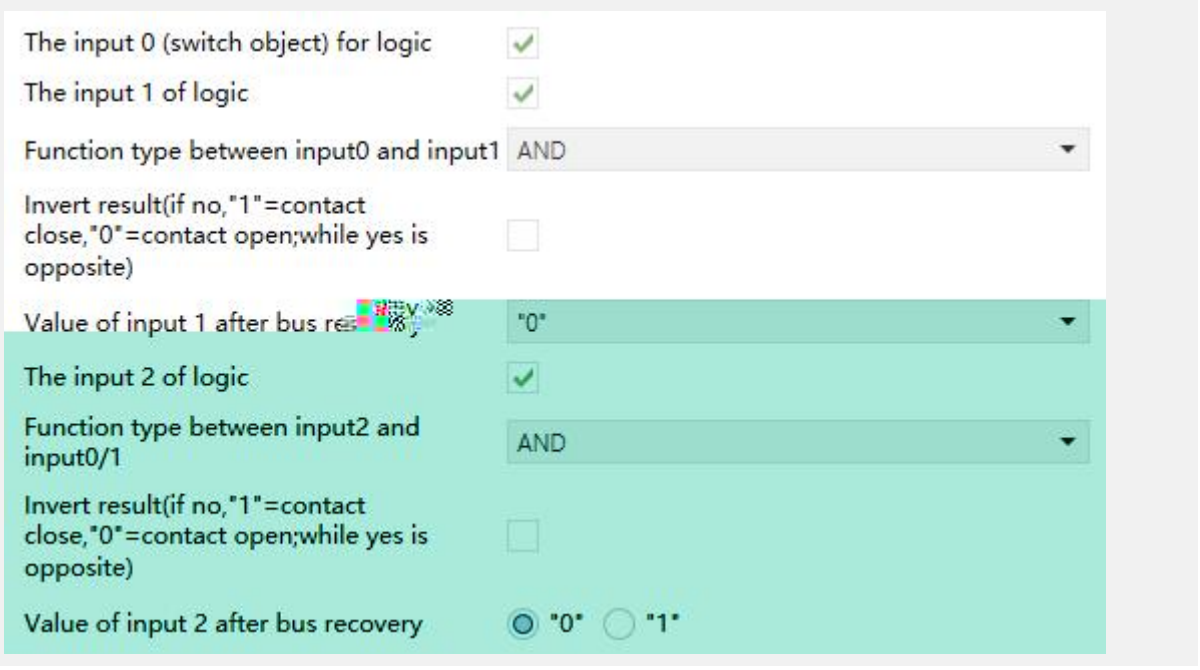
The input 0 (switch object) for logic
The input 1 of logic
Function type between input0 and input1
AND
Invert result(if no,"1"=contact close,"0"=contact open;while yes is opposite)
Value of input 1 after bus re
"0"
The input 2 of logic
Function type between input2 and input0/1
AND
Invert result(if no,"1"=contact close,"0"=contact open;while yes is opposite)
Value of input 2 after bus recovery
"0"
"1"

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						“ ” k

! k

! k

! k

! k

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Overwrite scene stored values during download
0
--Output status is
Contact open
Contact close
2> channel is assigned to (1..64 0=no allocation)
0
--Output status is
Contact open
Contact close
3> channel is assigned to (1..64 0=no allocation)
0
--Output status is
Contact open
Contact close
4> channel is assigned to (1..64 0=no allocation)
0
--Output status is
Contact open
Contact close
5> channel is assigned to (1..64 0=no allocation)
0
--Output status is
Contact open
Contact close
6> channel is assigned to (1..64 0=no allocation)
0
--Output status is
Contact open
Contact close
7> channel is assigned to (1..64 0=no allocation)
0
--Output status is
Contact open
Contact close
8> channel is assigned to (1..64 0=no allocation)
0
--Output status is
Contact open
Contact close

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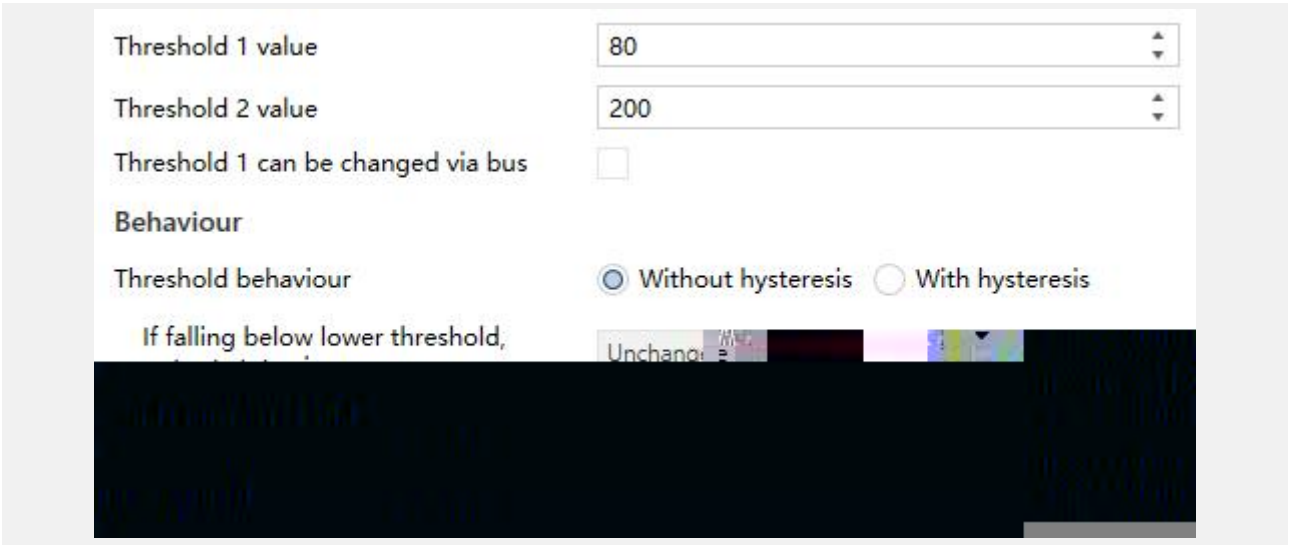
Threshold 1 value
80
Threshold 2 value
200
Threshold 1 can be changed via bus
Behaviour
Threshold behaviour
Without hysteresis
With hysteresis
If falling below lower threshold,

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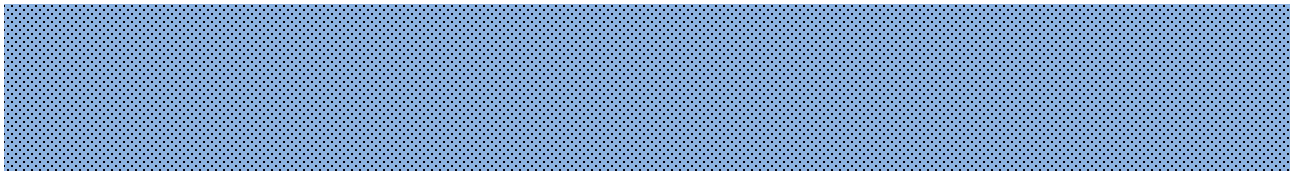

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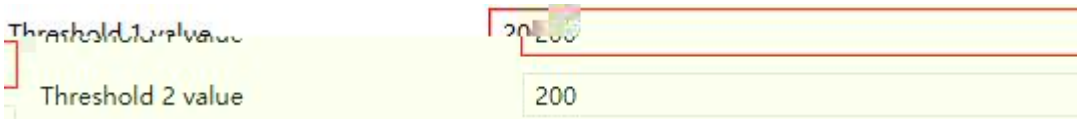
Threshold 2 value
200

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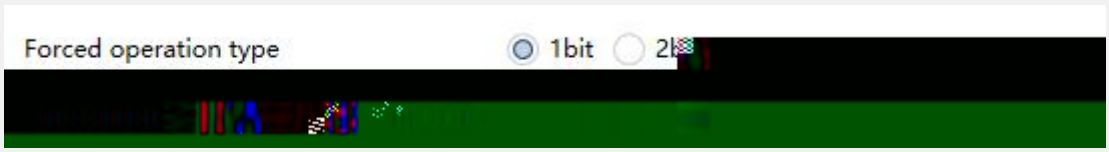

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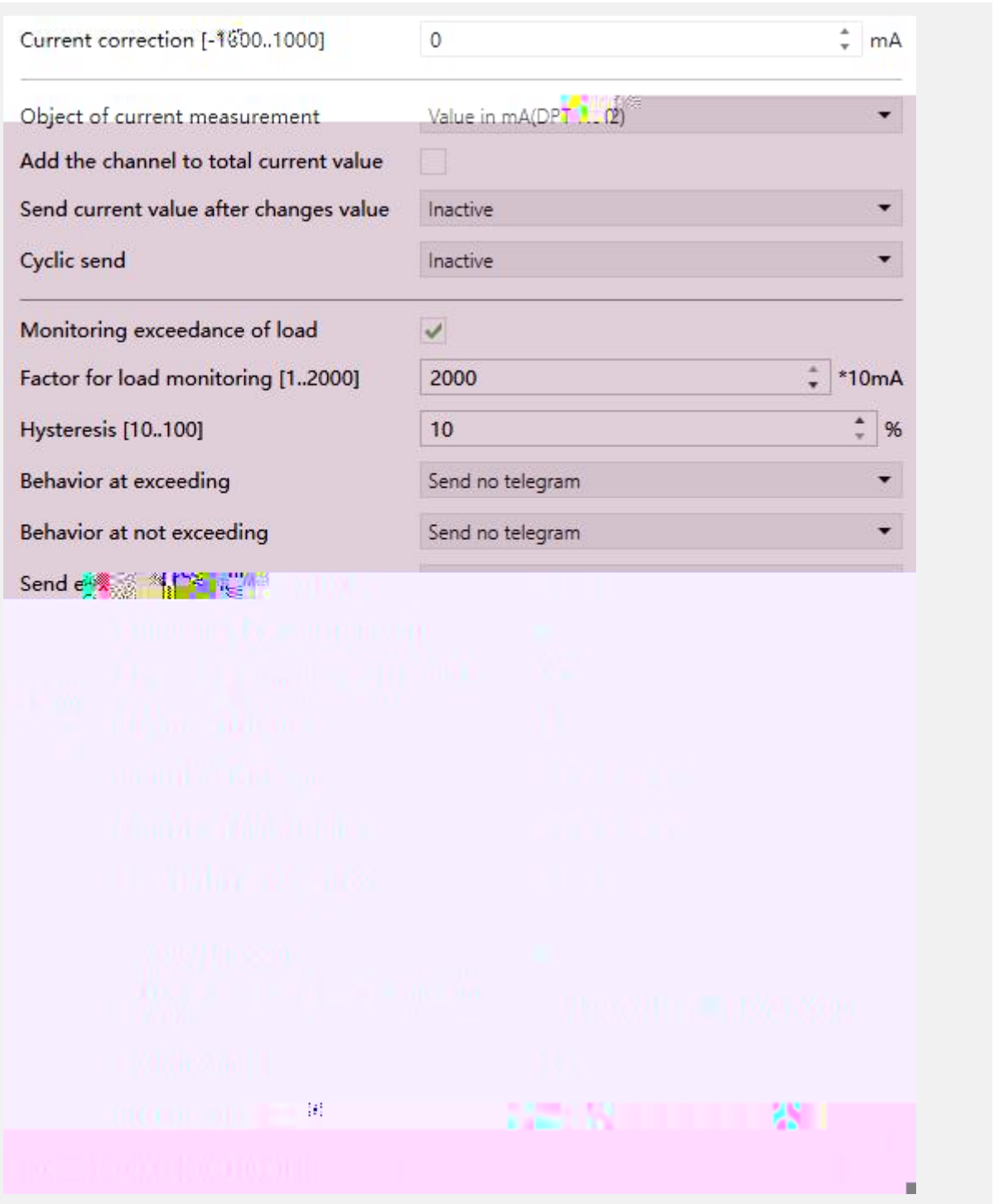
Current correction [-1000..1000]
0
mA
Object of current measurement
Value in mA(DP
(2)
Add the channel to total current value
Send current value after changes value
Inactive
Cyclic send
Inactive
Monitoring exceedance of load
Factor for load monitoring [1..2000]
2000
*10mA
Hysteresis [10..100]
10
%
Behavior at exceeding
Send no telegram
Behavior at not exceeding
Send no telegram
Send e

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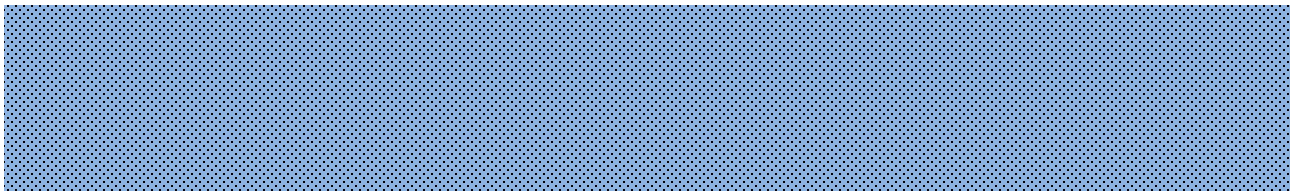

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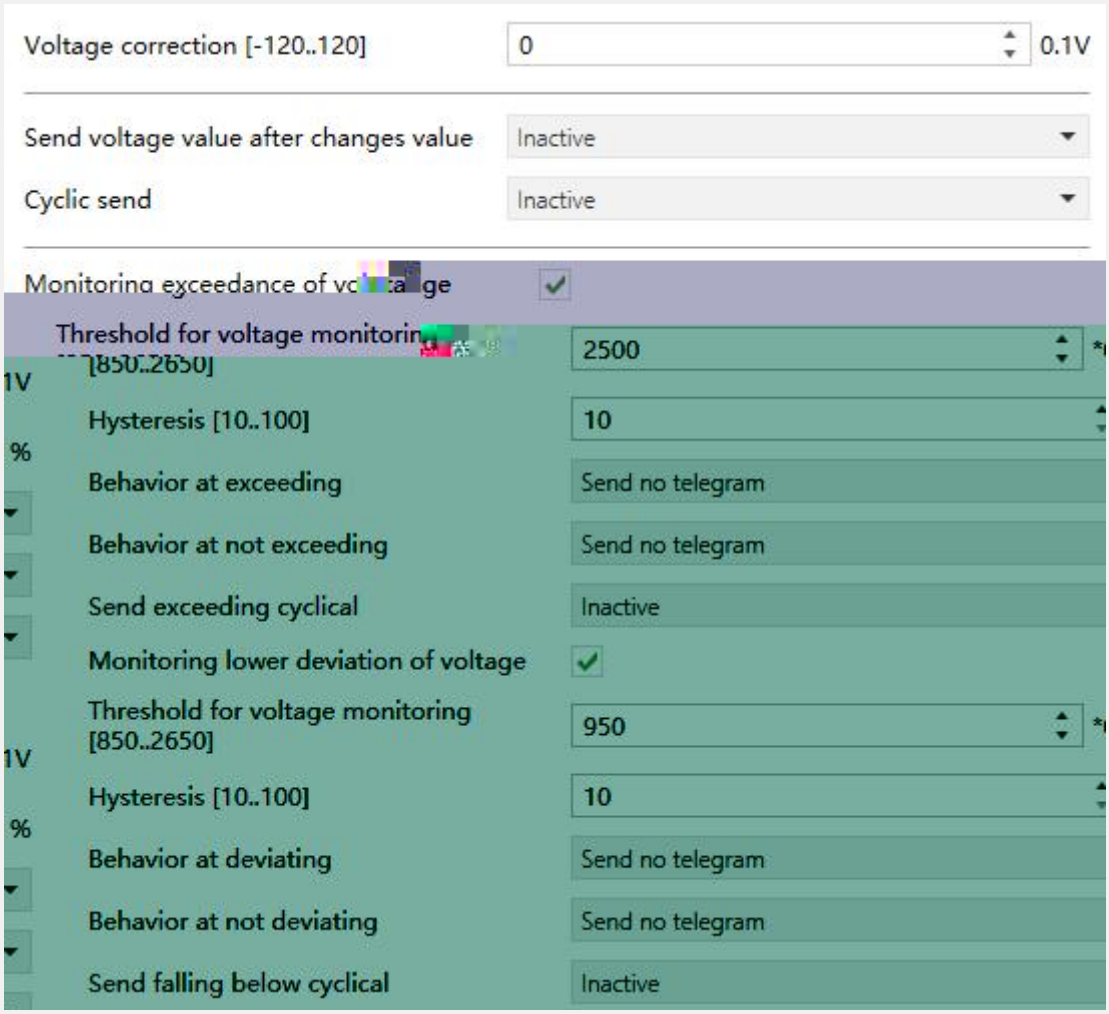
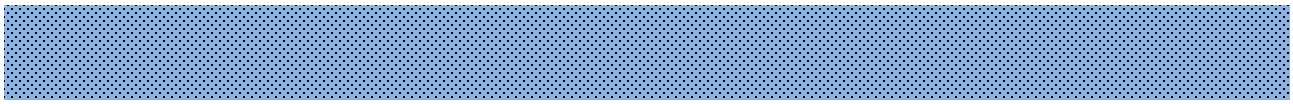

Voltage correction [-120..120]
0
0.1V
Send voltage value after changes value
Inactive
Cyclic send
Inactive
Monitoring exceedance of voltage
Threshold for voltage monitoring [850..2650]
2500
1V
Hysteresis [10..100]
10
%
Behavior at exceeding
Send no telegram
Behavior at not exceeding
Send no telegram
Send exceeding cyclical
Inactive
Monitoring lower deviation of voltage
Threshold for voltage monitoring [850..2650]
950
1V
Hysteresis [10..100]
10
%
Behavior at deviating
Send no telegram
Behavior at not deviating
Send no telegram
Send falling below cyclical
Inactive

k

k

k



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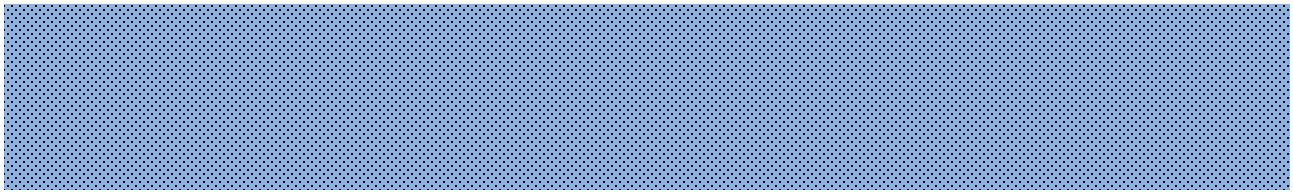

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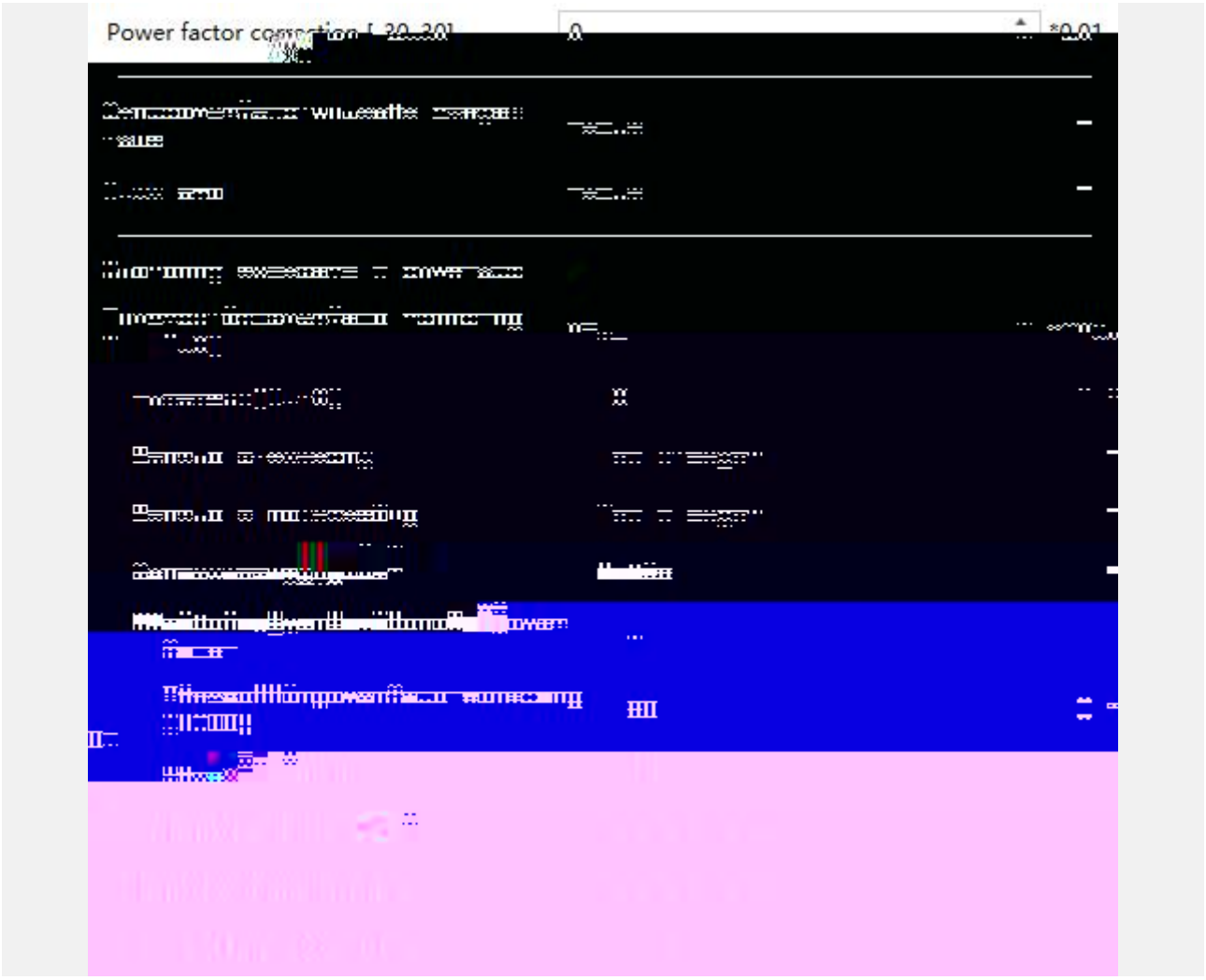

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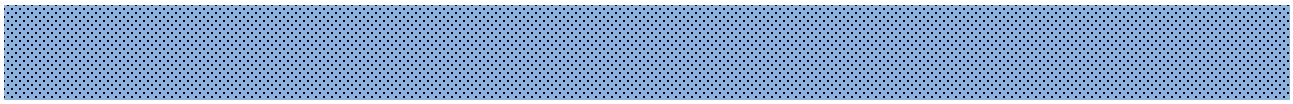

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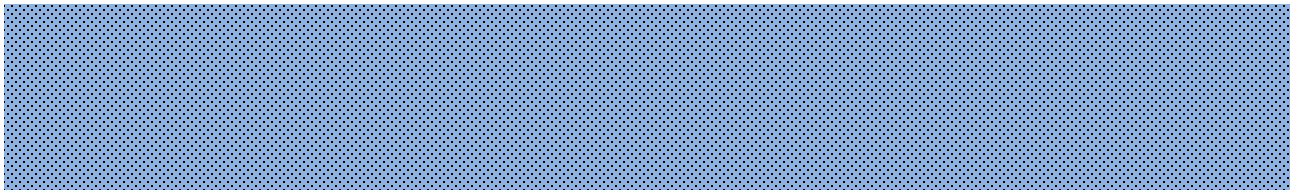

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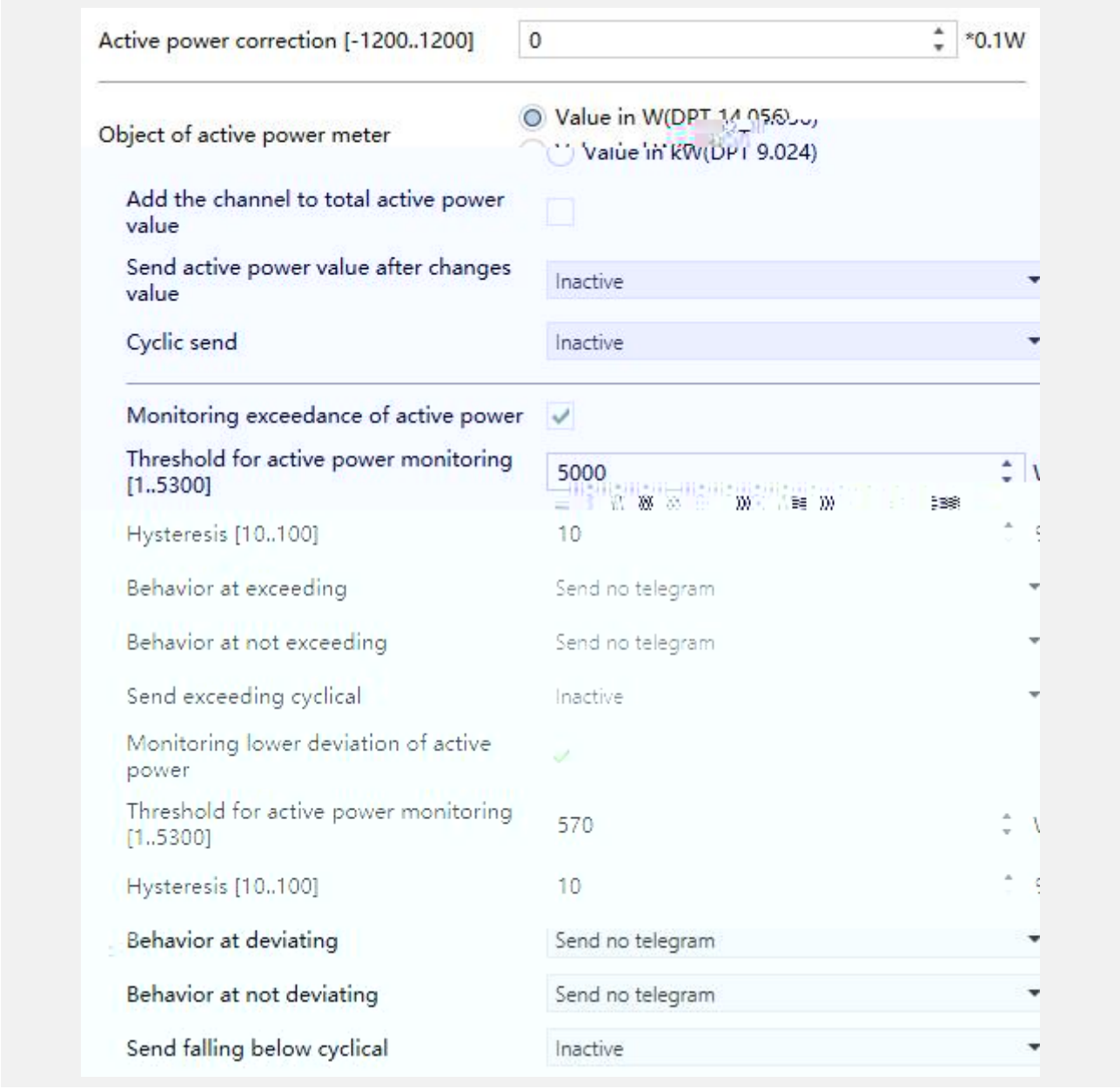
Active power correction [-1200..1200]
0
*0.1W
Object of active power meter
Value in W(DPT 14.056)
Value in kW(DPT 9.024)
Add the channel to total active power value
Send active power value after changes value
Inactive
Cyclic send
Inactive
Monitoring exceedance of active power
Threshold for active power monitoring [1..5300]
5000
Hysteresis [10..100]
10
Behavior at exceeding
Send no telegram
Behavior at not exceeding
Send no telegram
Send exceeding cyclical
Inactive
Monitoring lower deviation of active power
Threshold for active power monitoring [1..5300]
570
Hysteresis [10..100]
10
Behavior at deviating
Send no telegram
Behavior at not deviating
Send no telegram
Send falling below cyclical
Inactive

k

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k

k

k

k

k

k

GVS K-BUS

k

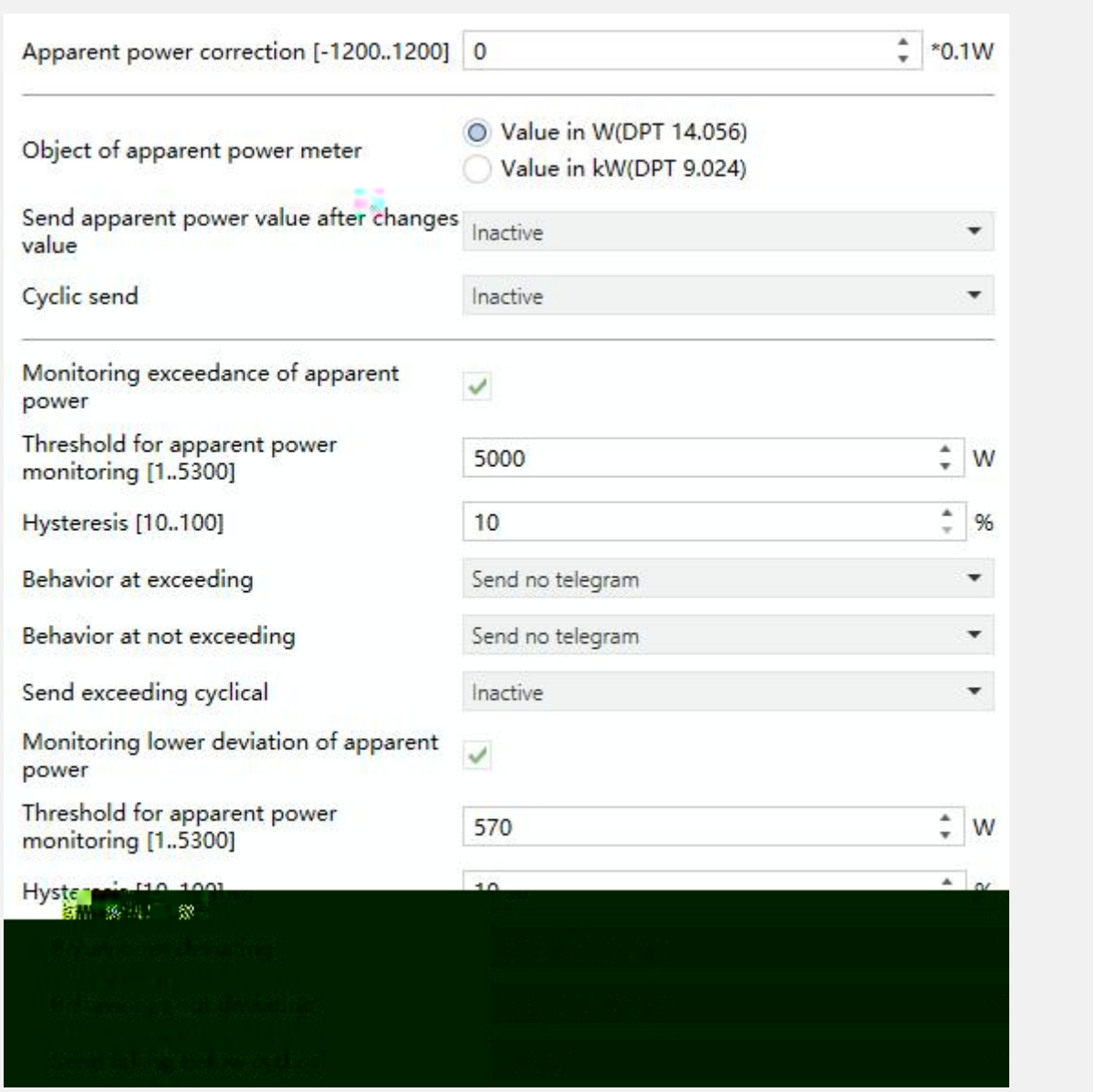
k

k

k

k

k


Apparent power correction [-1200..1200]
0
*0.1W
Object of apparent power meter
Value in W(DPT 14.056)
Value in kW(DPT 9.024)
Send apparent power value after changes value
Inactive
Cyclic send
Inactive
Monitoring exceedance of apparent power
Threshold for apparent power monitoring [1..5300]
5000
W
Hysteresis [10..100]
10
%
Behavior at exceeding
Send no telegram
Behavior at not exceeding
Send no telegram
Send exceeding cyclical
Inactive
Monitoring lower deviation of apparent power
Threshold for apparent power monitoring [1..5300]
570
W

k

k

k

k

k

k

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k

k

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k

k

GVS K-BUS

k

k

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“ ” “ ”

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“ ” “ ”

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k

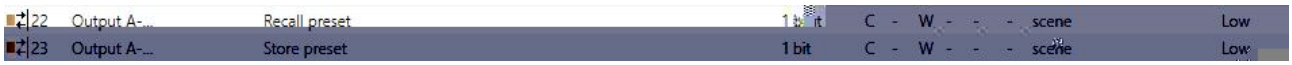
Num	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	I	Data Type	Priority
1	General	In operation			1 bit	C	R		T			switch	Low

					BNR
k					
! k k k					
k					

Num	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
16	Output A-...	Switch			1 bit	C	-	W	-	-	switch	Low
17	Output A-...	Switch status			1 bit	C	R	-	T	-	switch	Low

k k k					
k k					

18 Outp
Output of staircase lighting 1 bit C - W - - -
18 Output A-...
Switch out with delay 1 bit C - W - - - switch Low
18 Outp
Switch out with flashing 1 bit C - W - - - switch Low


22 Output A-... Recall preset 1 bit C - W - - - scene Low
23 Output A-... Store preset 1 bit C - W - - - scene Low

k					
k					
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24 Output A-... Input 1 of logic 1 bit C - W - - - boolean Low
25 Output A-... Input 2 of logic 1 bit C - W - - - boolean Low

k					
k					

26	Output A-...	Scene	1 byte	C	-	W	-	-	-	scene control	Low

k k k k k k					

27	Output A-...	Change threshold 1	1 byte	C	-	W	-	-	-	counter pulses (0..255)	Low
28	Output A-...	Threshold input	1 byte	C	-	W	-	-	-	counter pulses (0..255)	Low

k					
k					

29	Output A-...	Forced operation	1 bit	C	-	W	-	-	-	switch	Low
29	Output A-...	Forced operation	2 bit	C	-	W	-	-	-	switch control	Low

k k					
k k					

Num	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	I	Data Type	Priority
4	Total current	Value of total current(mA)			2 bytes	C	R	-	T	-	-	current (mA)	Low
5	Total current	Exceedance of total load			1 bit	C	R	-	T	-	-	switch	Low
6	Total current	Lower deviation of total load			1 bit	C	R	-	T	-	-	switch	Low

k					
			k		k
			k		k

Num
Name
Object Function
Description
Group Address
Length
C
R
W
T
U
I
Priori
7
Total active power

Num	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priori
10	Total electric energy	Value of total electric energy(Wh)			4 bytes	C	R	W	T	-	active energy (Wh)	Low
11	Total electric energy	Exceedance of total electric energy			1 bit	C	R	-	T	-	switch	Low
12	Total electric energy	Lower deviation of total electric energy			1 bit	C	R	-	T	-	switch	Low

k					
k					k
k					k

Num	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	I	Data Type	Priority
13	Frequency measurement	Value of frequency			4 bytes	C	R	-	T	-	-	frequency (Hz)	Low
14	Frequency measurement	Exceedance of frequency			1 bit	C	R	-	T	-			

k					
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k					k

30	Output A-...	Current value(mA)	2 bytes	C	R	-	T	-	-	current (mA)	Low
31	Output A-...	Exceedance of load	1 bit	C	R	-	T	-	-	switch	Low
32	Output A-...	Lower deviation of load	1 bit	C	R	-	T	-	-	switch	Low
33	Output A-...	Switch counter	4 bytes	C	R	W	T	-	-	counter pulses (unsigned)	Low
34	Output A-...	Operation hours	4 bytes	C	R	W	T	-	-	time lag (s)	Low

k					
k k					
k k					
k k					
k k					

35	Output A-...	Voltage value(V)	4 bytes	C	R	-	T	-	-	electric potential differen...	Low
36	Output A-...	Exceedance of voltage	1 bit	C	R	-	T	-	-	switch	Low
37	Output A-...	Lower deviation of voltage	1 bit	C	R	-	T	-	-	switch	Low

k					
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k k					

38	Output A-...	Power factor value	4 bytes	C	R	-	T	-	-	power factor (cos Φ)	Low
39	Output A-...	Exceedance of power factor	1 bit	C	R	-	T	-	-	switch	Low
40	Output A-...	Lower deviation of power factor	1 bit	C	R	-	T	-	-	switch	Low

k					
k k					
k k					

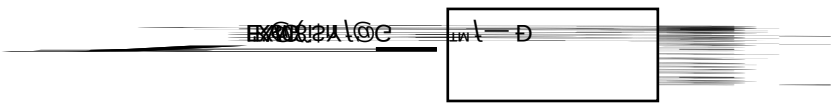
41	Output A-...	Active power value(W)	4 bytes	C	R	-	T	-	-	power (W)	Low
42	Output A-...	Exceedance of active power	1 bit	C	R	-	T	-	-	switch	Low
43	Output A-...	Lower deviation of active power	1 bit	C	R	-	T	-	-	switch	Low

k					
k k					
k k					

44	Output A-...	Apparent power value(W)	4 bytes	C	R	-	T	-	-	power (W)	Low
45	Output A-...	Exceedance of apparent power	1 bit	C	R	-	T	-	-	switch	Low
46	Output A-...	Lower deviation of apparent power	1 bit	C	R	-	T	-	-	switch	Low

k

47	Output A-...	Electric energy value(Wh)	4 bytes	C	R	W	T	-	active energy (Wh)	Low
48	Output A-...	Exceedance of electric energy	1 bit	C	R	-	T	-	switch	Low
49	Output A-...	Lower deviation of electric energy	1 bit	C	R	-	T	-	switch	Low



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