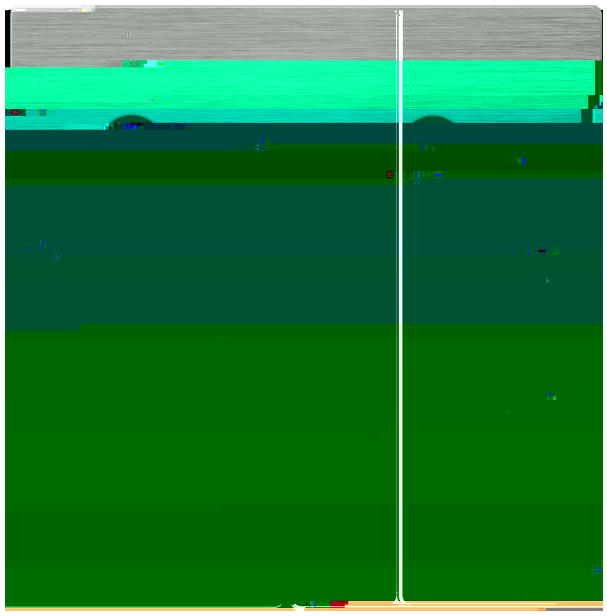
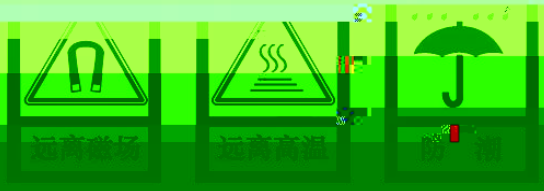



M
23
°C
°F
3.0

注意事项





试设备；

3、不要使用湿布或具挥发性的试剂擦拭



4、请勿自行拆卸本设备。

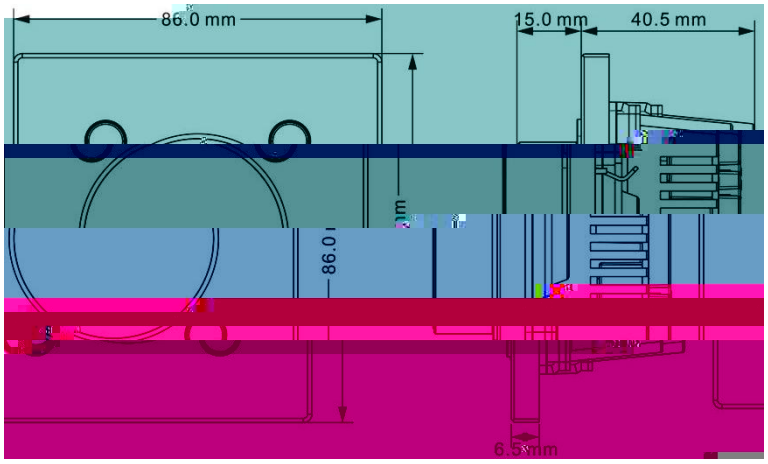
!

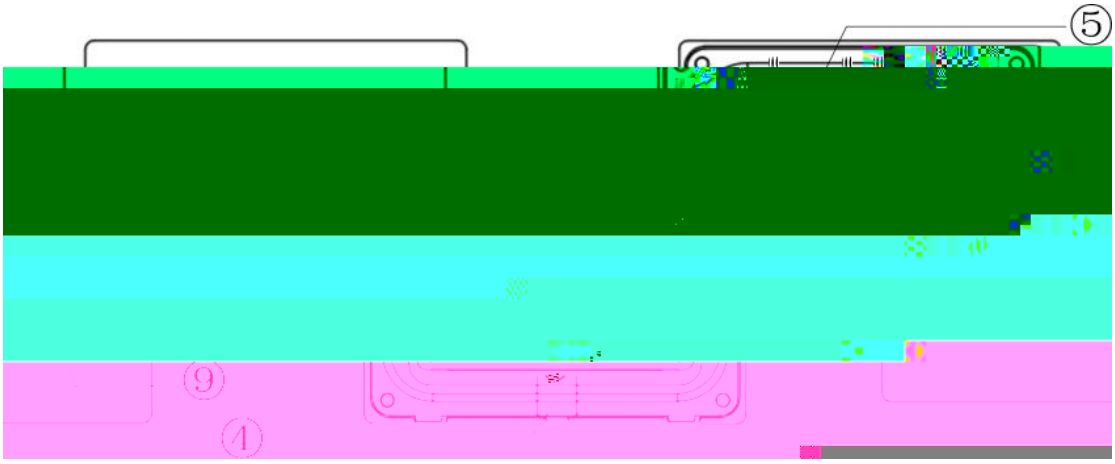
k

! ! ! k

k

k


86.0 mm
15.0 mm
40.5 mm
86.0
6.5 mm


⑤
⑨
④

! ! ! !

k

! ! k

k

k

! ! ! ! !

! !

!

! ! !

k

k

k

k

k

k

! ! ! ! ! k

□ □ □ □ □ شم

k

k

k

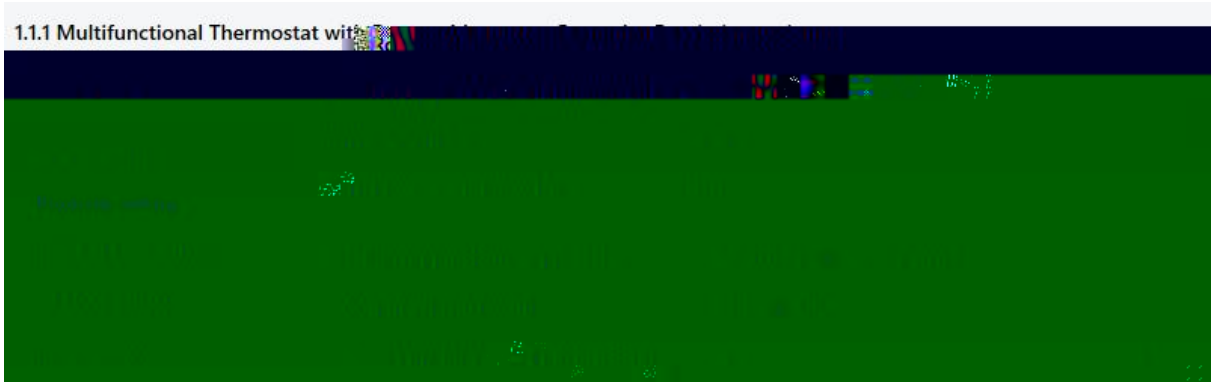
k

k

k

k

k



_Æ

□ □□ □ □ □ □

k

k

k

k

k


1.1.1 Multifunctional Thermostat with Rotary, 4 button > General > RGB light circle setting
General
RGB light circle indication
Independent configuration
Brightness level in normal mode
Level 5

k

k

k

k

k

k

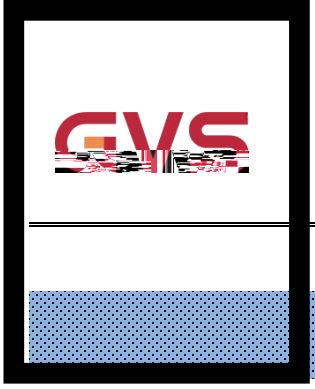
k

k

k

k

k



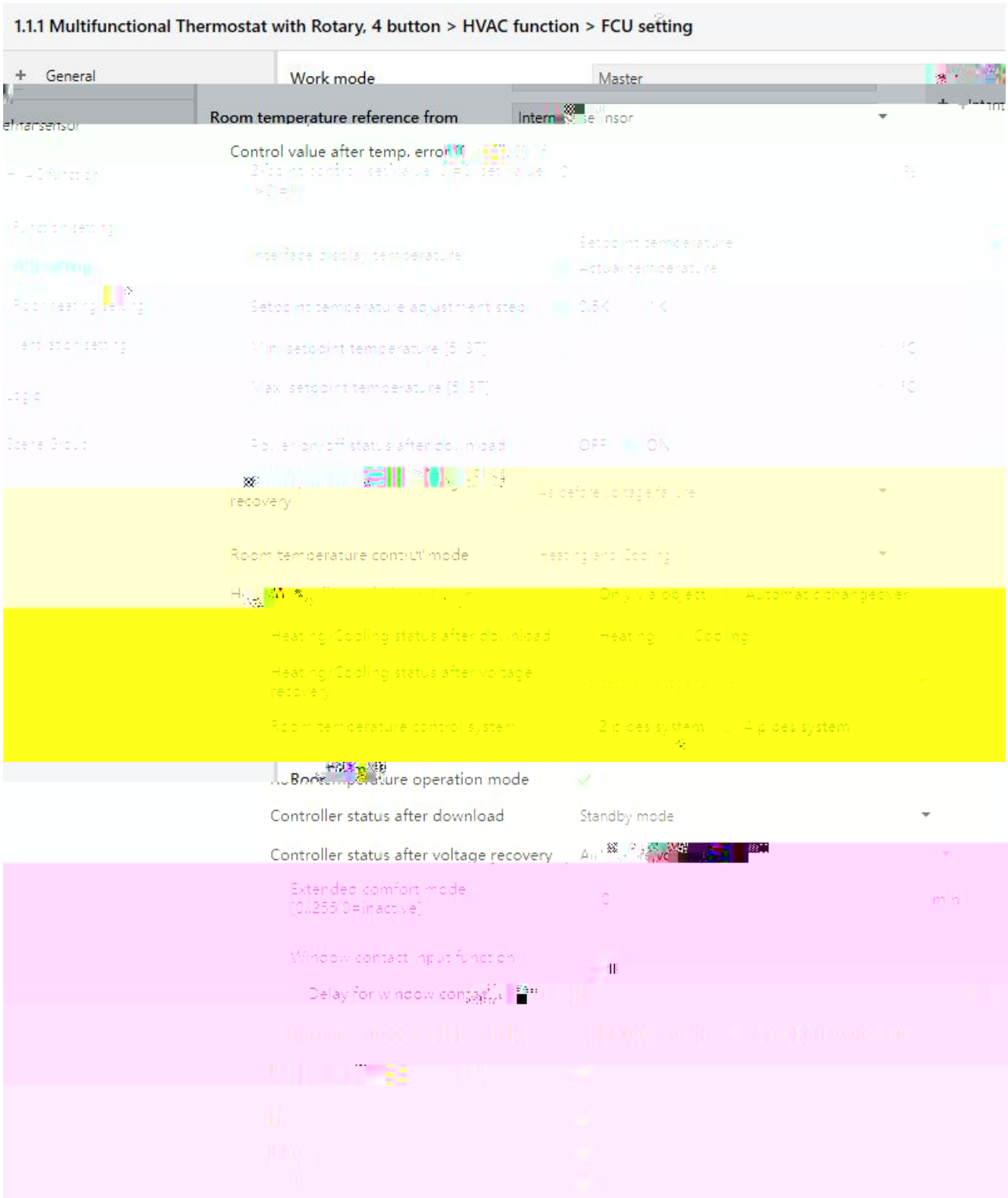
k

k

k

k

k


1.1.1 Multifunctional Thermostat with Rotary, 4 button > HVAC function > FCU setting
General
Work mode
Master
Room temperature reference from
Control value after temp. error
Room temperature control mode
Heating and Cooling
Heating/Cooling status after download
Heating
Cooling
Room temperature operation mode
Controller status after download
Standby mode
Controller status after voltage recovery
Extended comfort mode (0..255 0=inactive)
Window contact input function
Delay for window contact

k

k

k

k

k

k

k

k

k k

k

k

k

k

k

k k

k

k

k k

k k

k

k

k

k

k k

k

k k

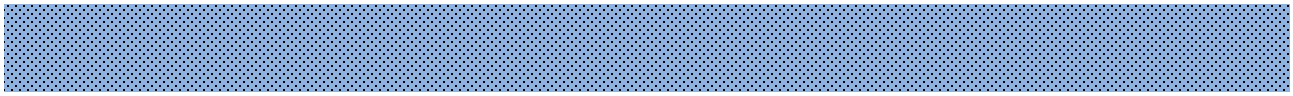
k

k

k k

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

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



k

k

k

k

k

k

k

-

-

-

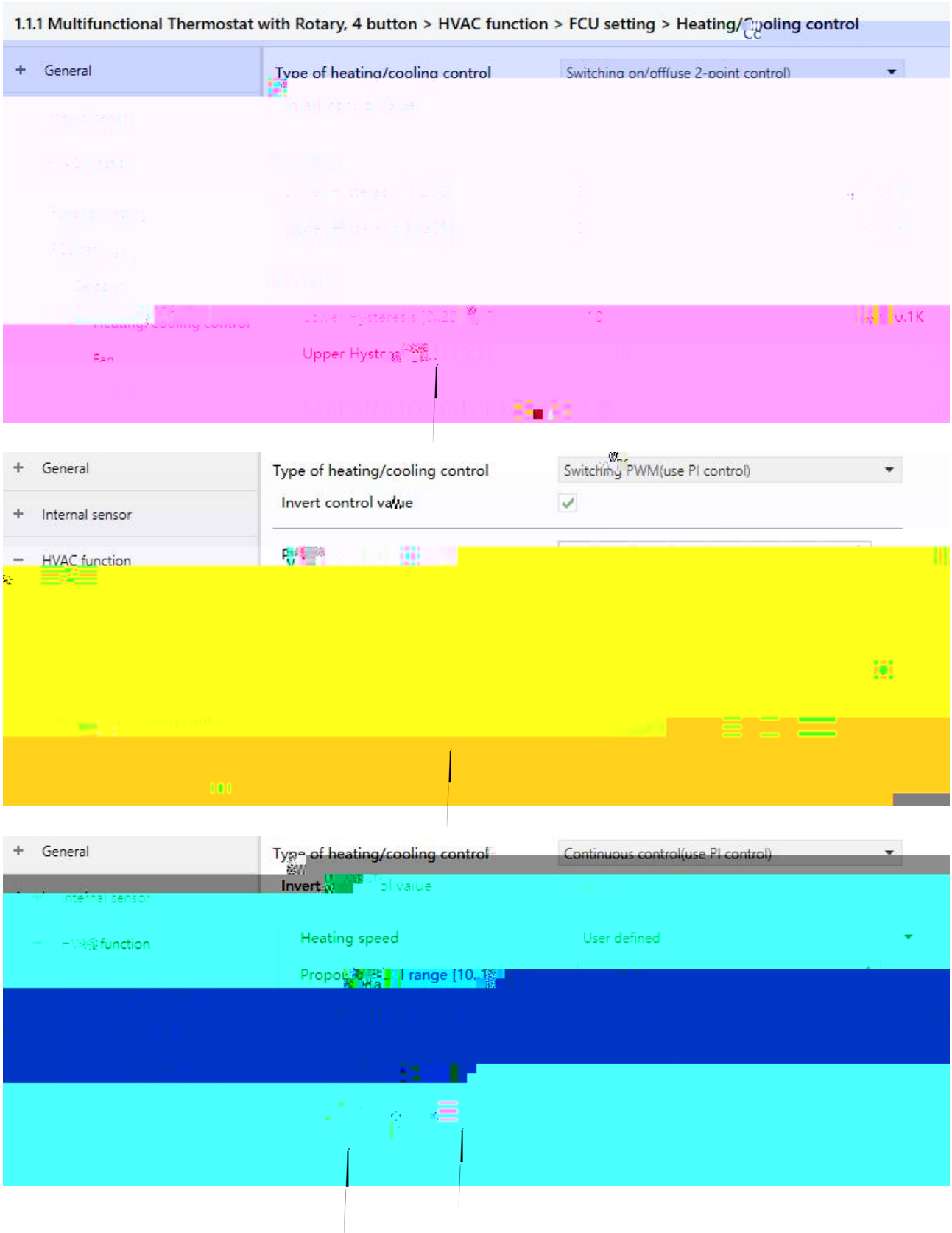
k

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

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

k

k


1.1.1 Multifunctional Thermostat with Rotary, 4 button > HVAC function > FCU setting > Heating/Cooling control
General
Type of heating/cooling control
Switching on/off(use 2-point control)
0.1K
Upper Hystr
General
Internal sensor
HVAC function
Type of heating/cooling control
Switching PWM(use PI control)
Invert control value
General
Type of heating/cooling control
Continuous control(use PI control)
Heating speed
User defined

k k

k

k

k

k

k

k

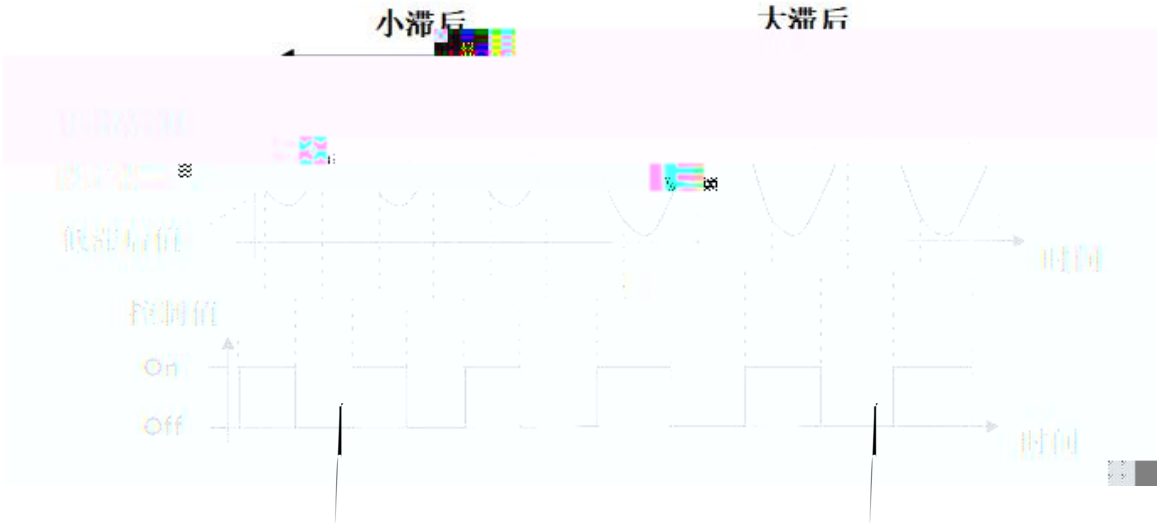
k

k

k

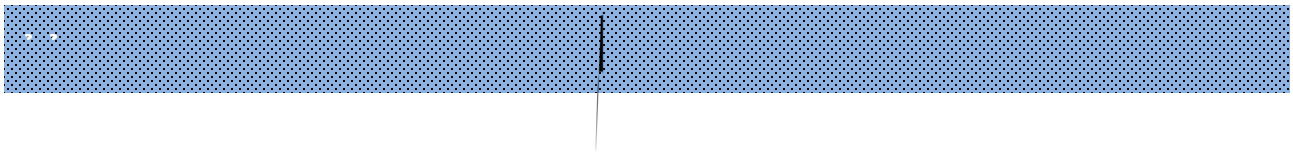
k

k



%

k k



k

k

k





k

k k

k k


Threshold value speed OFF<->low
[1..255]
150
Threshold value speed low<->medium
edium<->high
200
Threshold value speed
[1..255]

k

k

k

k

k

k

k

k

k

k

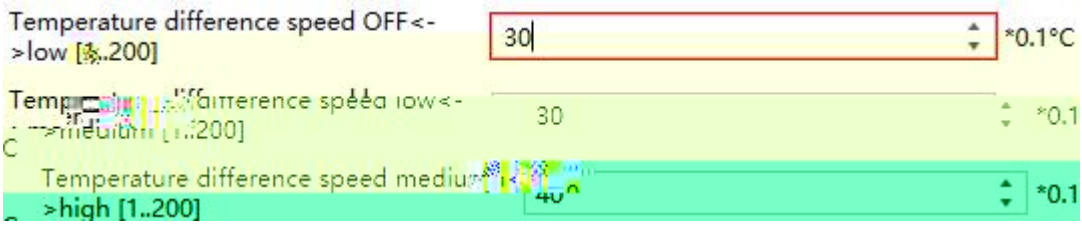
k

k□□ □ □ □ □

k

k

k


Temperature difference speed OFF<->low [1..200]
30
*0.1°C
Temperature difference speed low<->medium [1..200]
30
*0.1
Temperature difference speed medium<->high [1..200]
40
*0.1

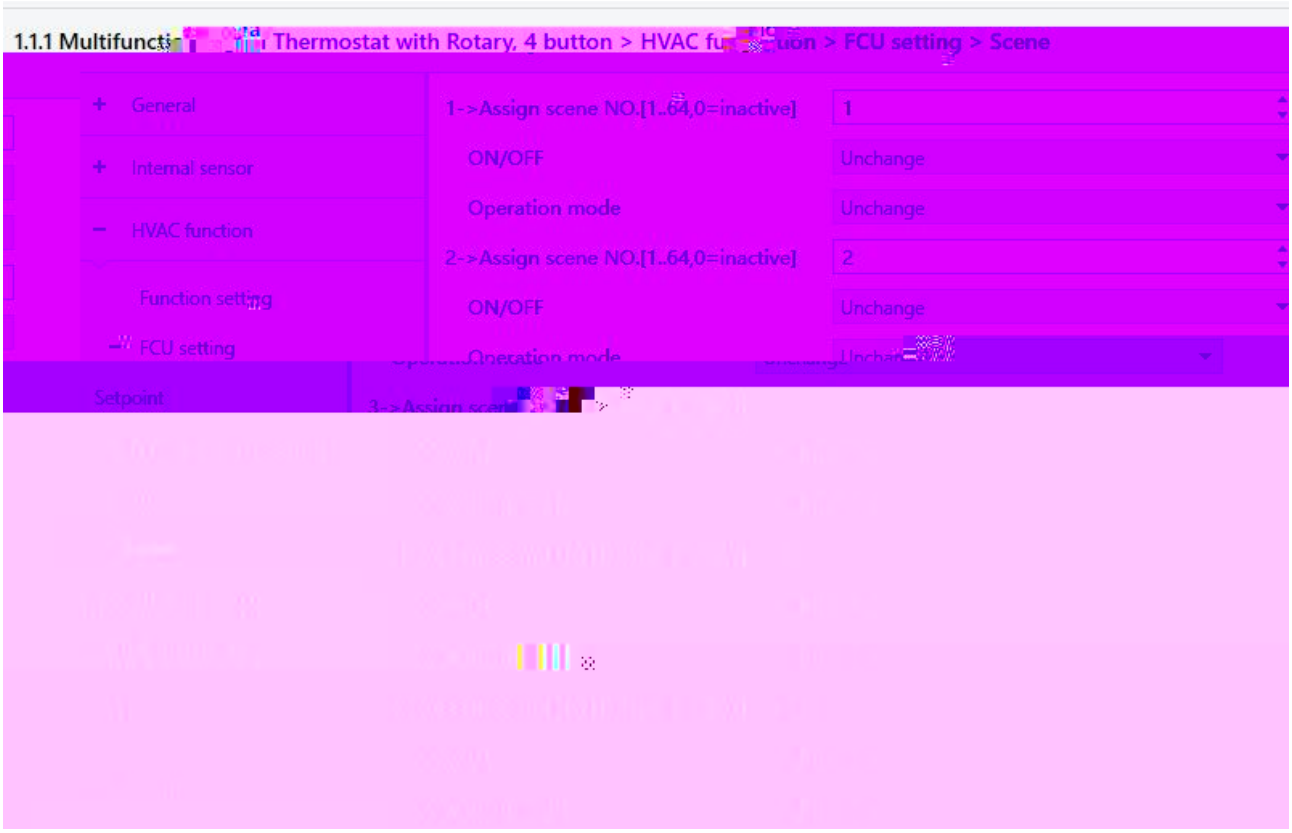
k

k

k

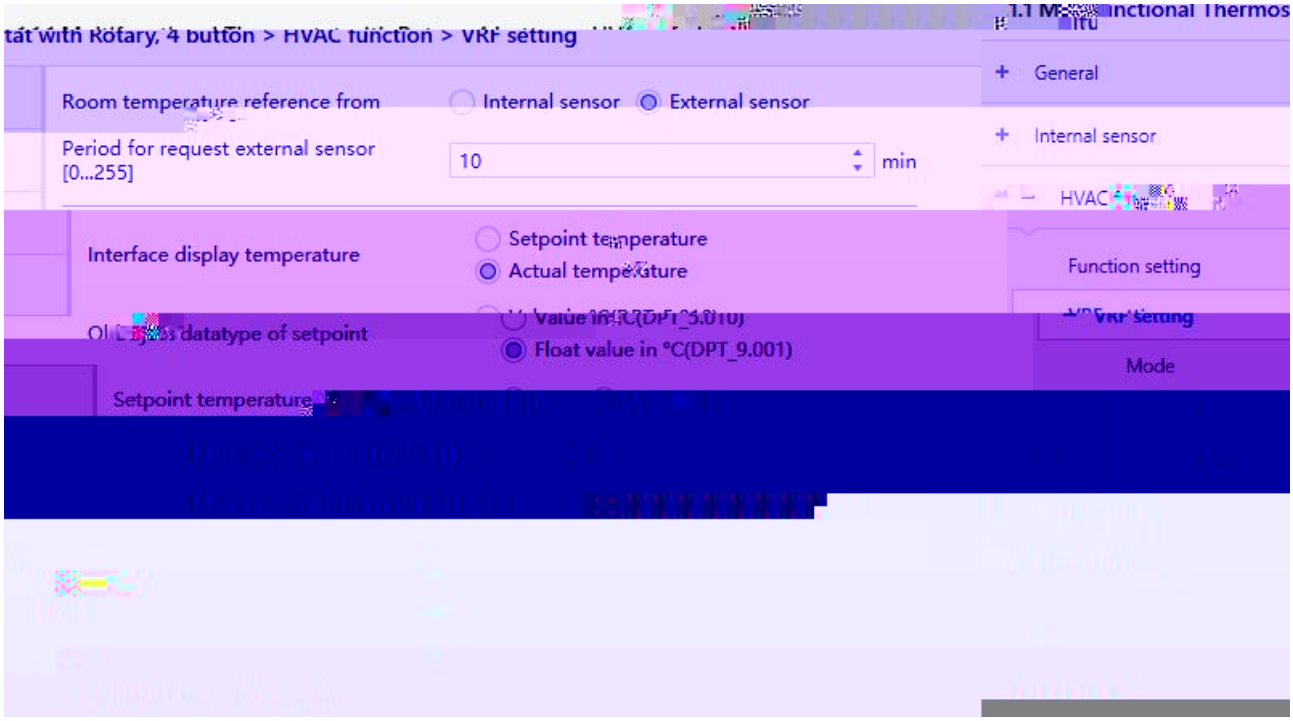
k

k


Thermostat with Rotary, 4 button > HVAC fu uon > FCU setting > Scene
General
Internal sensor
HVAC function
Function setting
FCU setting
Setpoint
1->Assign scene NO.[1..64,0=inactive]
1
ON/OFF
Unchange
Operation mode
Unchange
2->Assign scene NO.[1..64,0=inactive]
2
ON/OFF
Unchange



k


tat with Rotary, 4 button > HVAC function > VRF setting
Room temperature reference from
Internal sensor
External sensor
Period for request external sensor [0...255]
10
min
Interface display temperature
Setpoint temperature
Actual temperature
datatype of setpoint
Float value in °C(DPT_9.001)
Setpoint temperature
General
Internal sensor
Function setting
Mode

k

k

k k

k

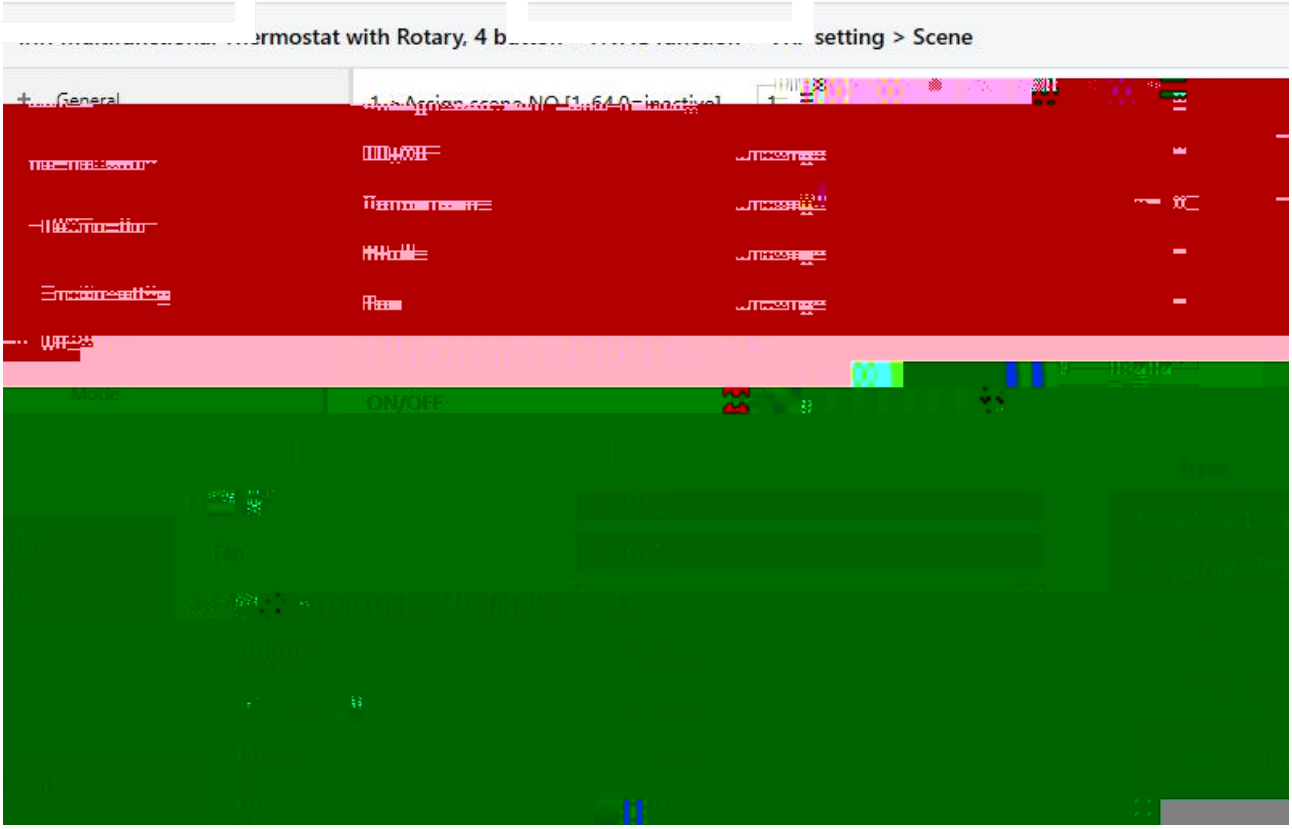
k

k

k

k

k

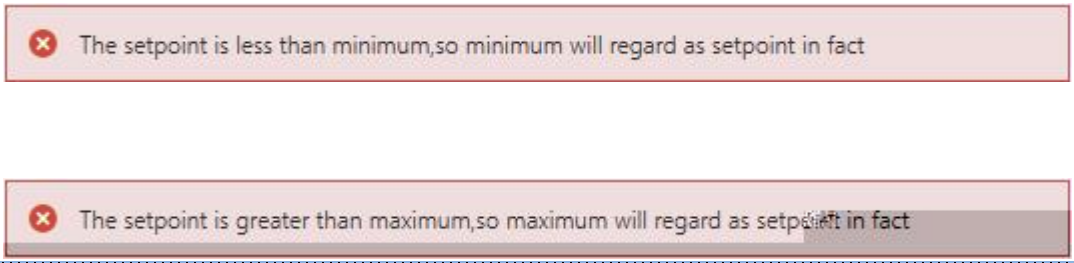


k

□□ □ k □□□□□□

□ □ □ □ □

□□□□□□□ □


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

! ! k

k k


Multifunctional Thermostat with Rotary, 4 button > HVAC function > Floor heating setting
General
Internal sensor
HVAC function
Work mode
Single
Room temperature reference from
Internal and External sensor combination
Combination ratio
50% Internal to 50% External
Cyclically send temperature [0...255.0=inactive]
0
min
Control value after temp. error [0..100] (If 2-point control, set value '0'=0, set value '>0'=1)
0
%
Interface display temperature
Setpoint temperature
Default setpoint temper
20
°C
Min. setpo
erature [16..32]
16
°C
Max. setpoi

k

□□□□ □□□

k

k

k

% % % %

% %

k

k

k k

k

k

k

k k

k

k

k

k

k k

k k

k

k

k

k

k

k

k

k

k

k

k

k

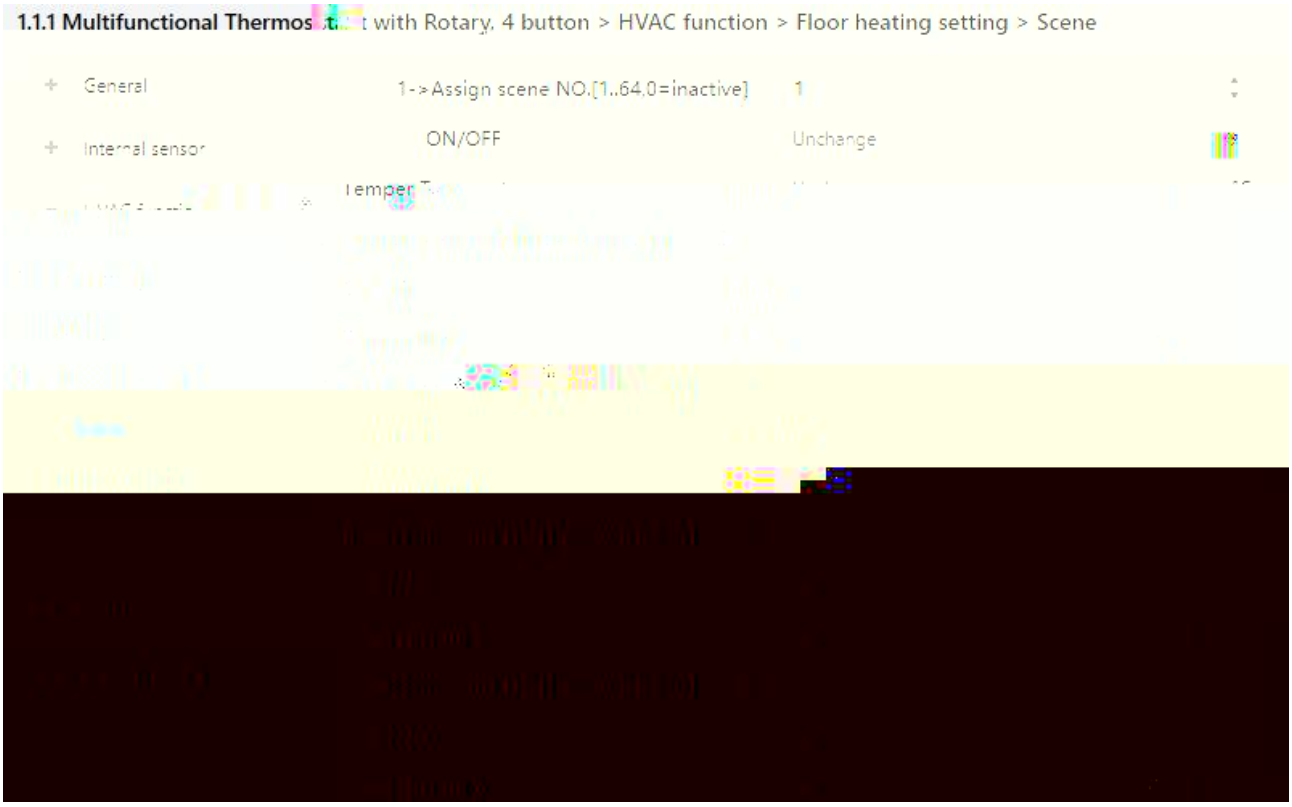
k

k

k k

k

k k ! k


1.1.1 Multifunctional Thermos t with Rotary, 4 button > HVAC function > Floor heating setting > Scene
General
1->Assign scene NO.[1..64,0=inactive]
1
Internal sensor
ON/OFF
Unchange

k k

k k

k

k

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

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


1.1.1 Multifunctional Thermostat with Rotary, 4 button > HVAC function > Ventilation setting
General



k

k

k

VTIR

k


1.1.1 Multifunctional Thermostat with Ro
4 button > HVAC function > 1
ver

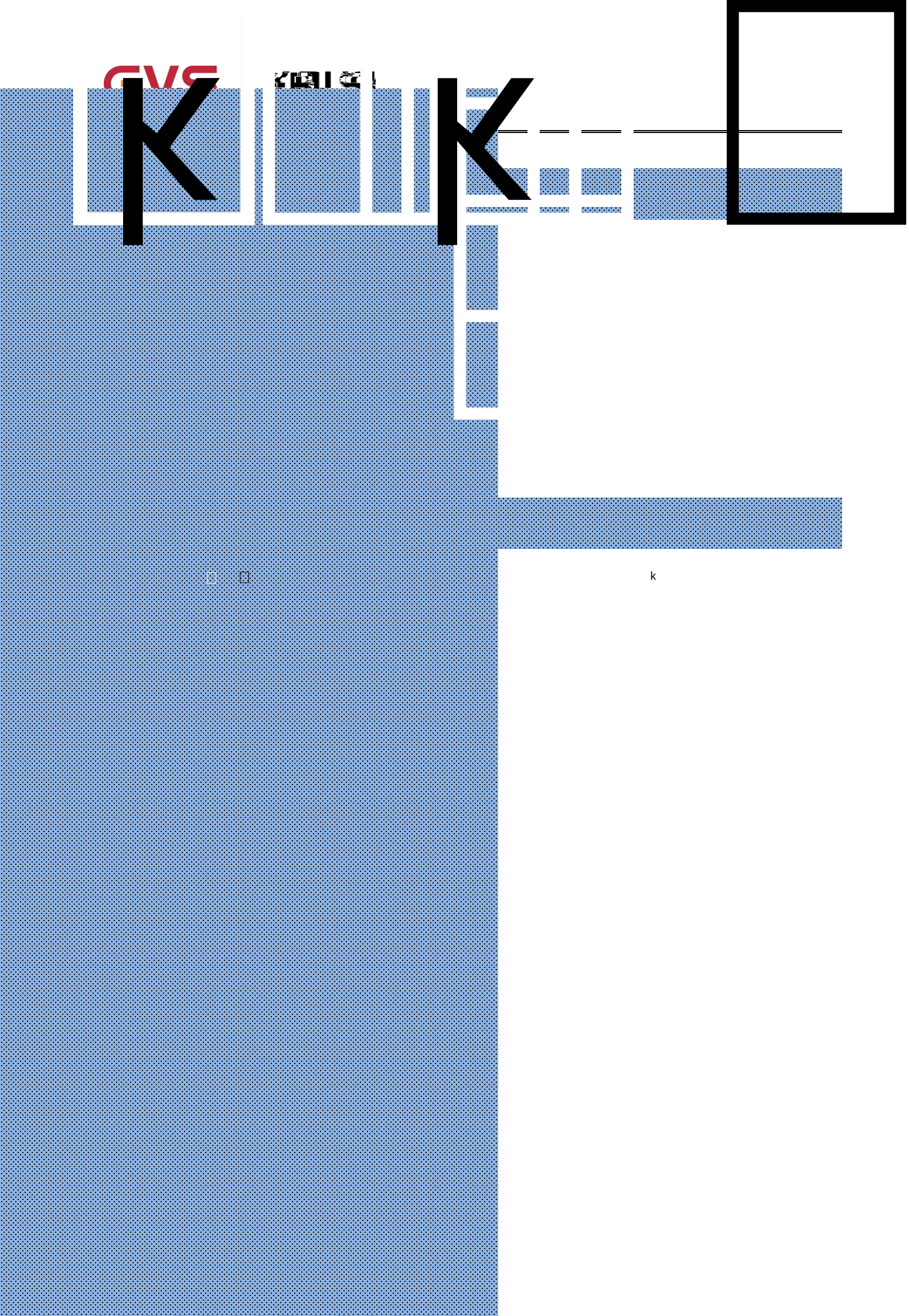
k

k

k k

k

k



k

k

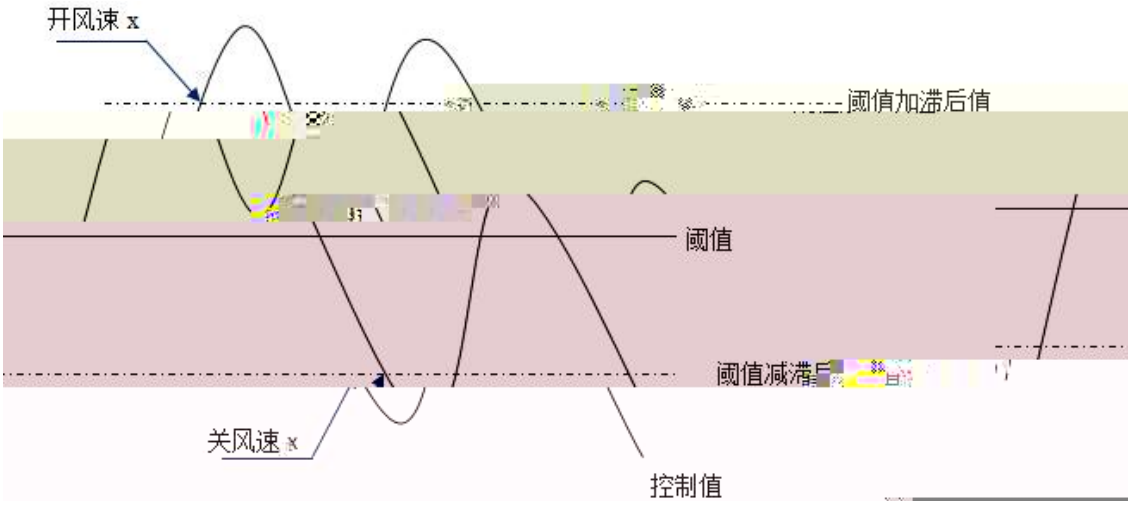


k

k

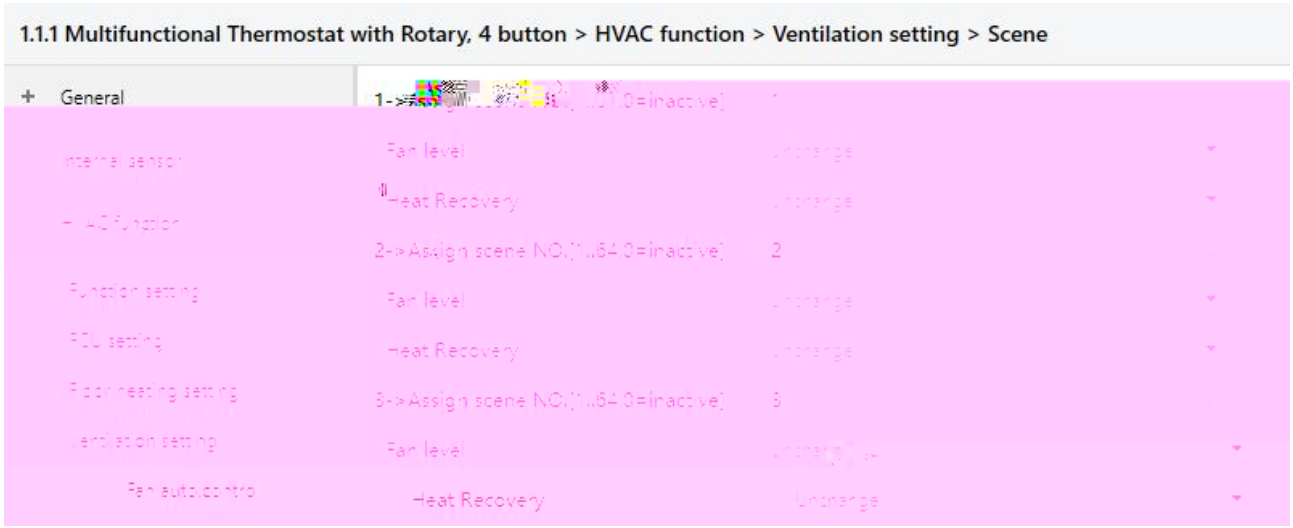
k

k



k

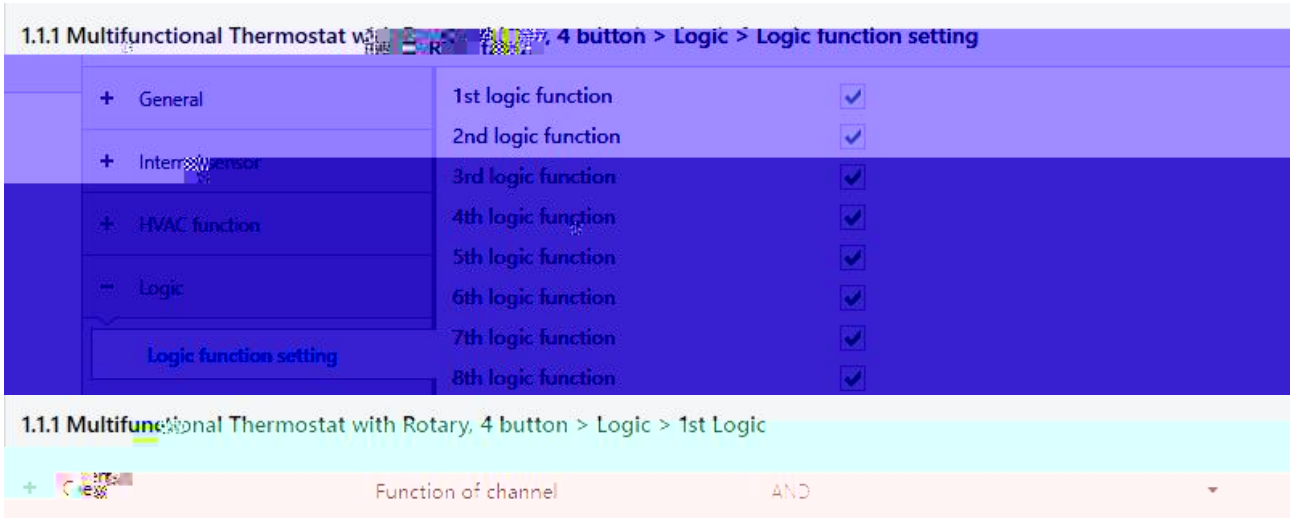
k


1.1.1 Multifunctional Thermostat with Rotary, 4 button > HVAC function > Ventilation setting > Scene
General
Fan level
Heat Recovery
2-»Assign scene NO.(1..64 0=Inactive)
2
Fan level
Heat Recovery
3-»Assign scene NO.(1..64 0=Inactive)
3
Fan level
Heat Recovery

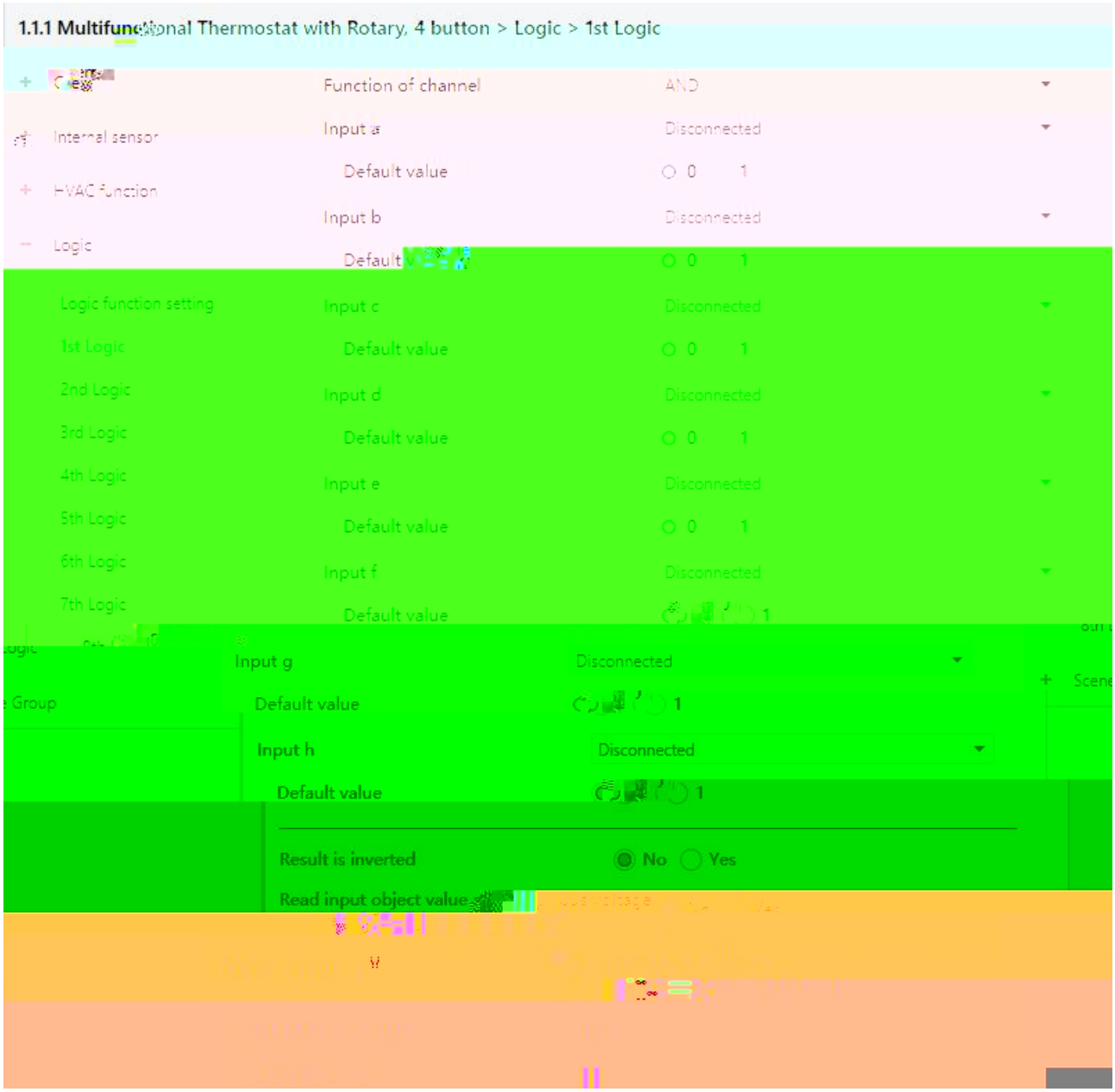
k

k k

k


1.1.1 Multifunctional Thermostat w
4 button > Logic > Logic function setting
General
Inter
sensor
HVAC function
Logic
Logic function setting
1st logic function
2nd logic function
3rd logic function
4th logic function
5th logic function
6th logic function
7th logic function
8th logic function
1.1.1 Multifunc
onal Thermostat with Rotary, 4 button > Logic > 1st Logic
Function of channel
AND

k


1.1.1 Multifunctional Thermostat with Rotary, 4 button > Logic > 1st Logic
Function of channel
AND
Input a
Disconnected
Default value
0
1
Input b
Disconnected
Default value
0
1
Input c
Disconnected
Default value
0
1
Input d
Disconnected
Default value
0
1
Input e
Disconnected
Default value
0
1
Input f
Disconnected
Default value
1
Input g
Disconnected
Default value
1
Input h
Disconnected
Default value
1
Result is inverted
No
Yes
Read input object value
Internal sensor
HVAC function
Logic
Logic function setting
1st Logic
2nd Logic
3rd Logic
4th Logic
5th Logic
6th Logic
7th Logic
Group

k

k k

k

k

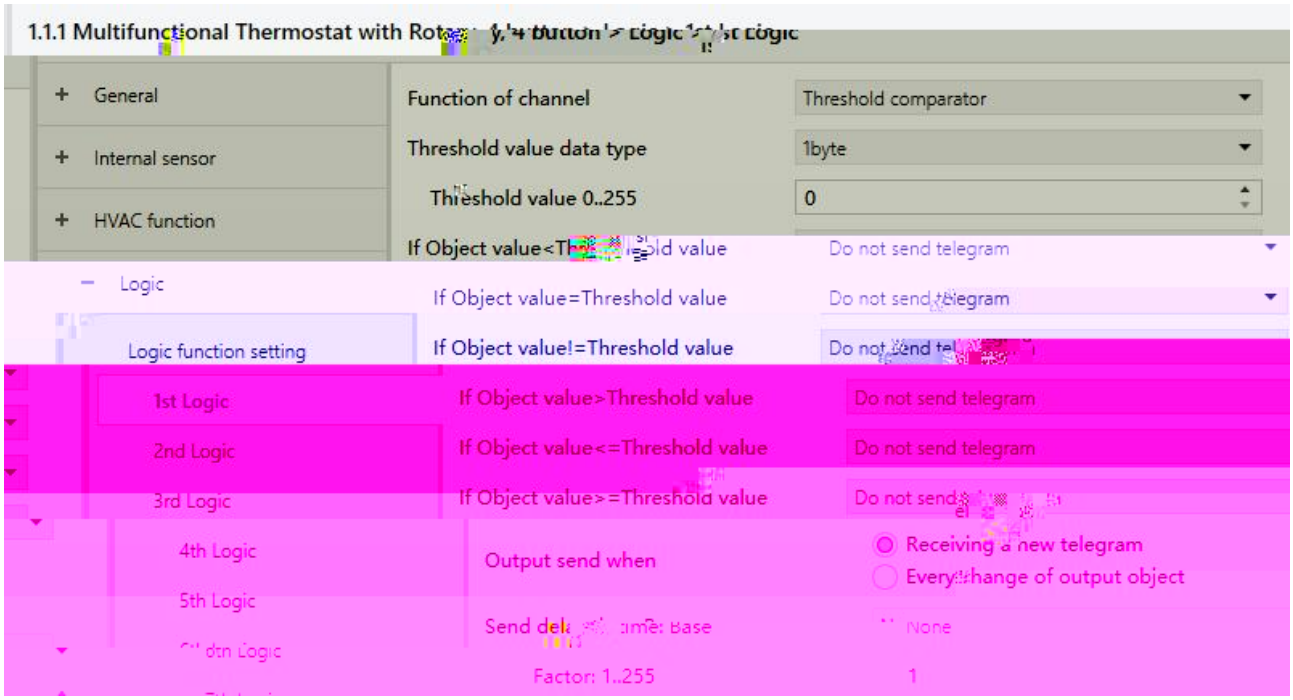
k

k

k

k

k k


1.1.1 Multifunctional Thermostat with Rot
General
Internal sensor
HVAC function
Logic
Logic function setting
1st Logic
2nd Logic
3rd Logic
4th Logic
5th Logic
Function of channel
Threshold comparator
Threshold value data type
1byte
Threshold value 0..255
0
If Object value=Threshold value
Do not send telegram
If Object value!=Threshold value
If Object value>Threshold value
Do not send telegram
If Object value<=Threshold value
Do not send telegram
If Object value>=Threshold value
Output send when
Receiving a new telegram
Factor: 1..255
1

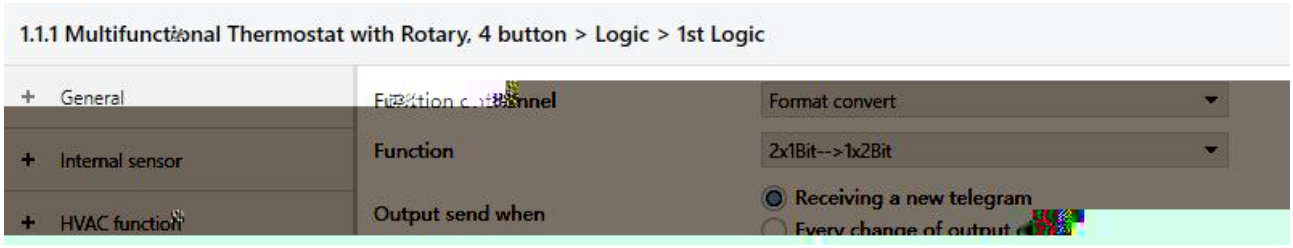
k

k

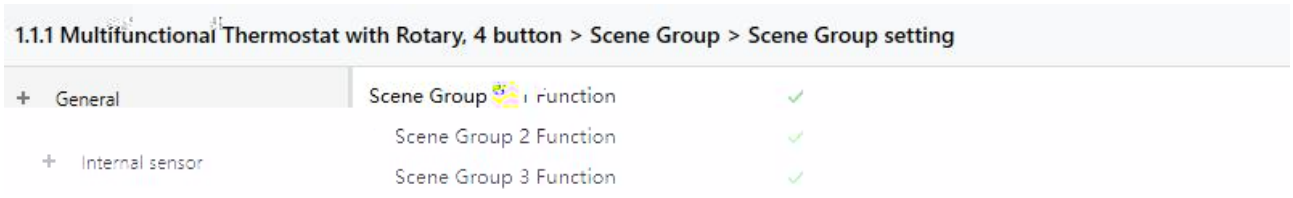
! ! ! !

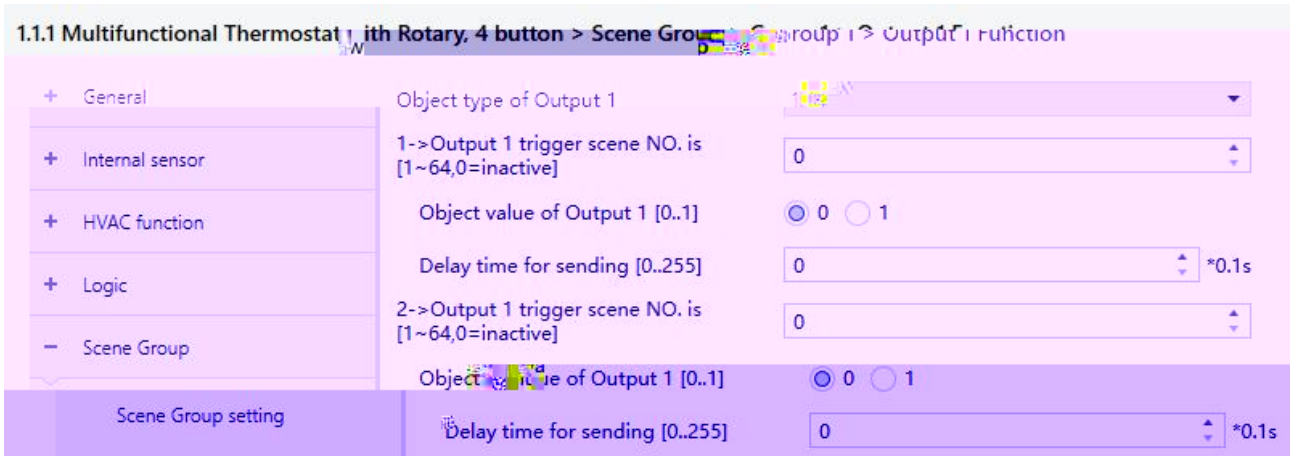
k

k


1.1.1 Multifunctional Thermostat with Rotary, 4 button > Logic > 1st Logic
General
Internal sensor
HVAC function
Function
Format convert
2x1Bit-->1x2Bit
Output send when
Receiving a new telegram

k

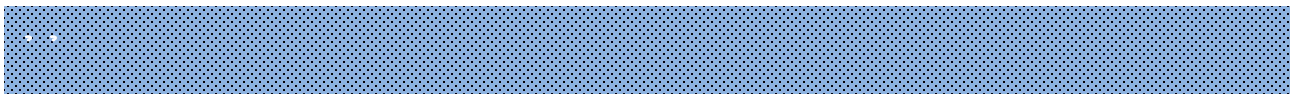

1.1.1 Multifunctional Thermostat with Rotary, 4 button > Scene Group > Scene Group setting
General
Internal sensor
Scene Group 1 Function
Scene Group 2 Function
Scene Group 3 Function

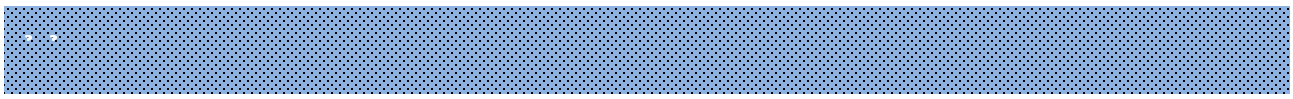

General
Internal sensor
HVAC function
Logic
Scene Group
Scene Group setting
Object type of Output 1
1->Output 1 trigger scene NO. is [1~64,0=inactive]
0
Object value of Output 1 [0..1]
0
1
Delay time for sending [0..255]
0
*0.1s
2->Output 1 trigger scene NO. is [1~64,0=inactive]
0
0
1
Delay time for sending [0..255]
0
*0.1s

k

k







k

k

k

Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U	Data Type	Priority
5	Internal sensor	al temperature			2 bytes	C	R	-	T	-	temperature (°C)	Low
6	Internal sensor	Low temperature alarm			1 bit	C	R	-	T	-	alarm	Low
7	Internal sensor	High temperature alarm			1 bit	C	R	-	T	-	alarm	Low

				k	

					k
					k

! !

! ! ! ! ! !

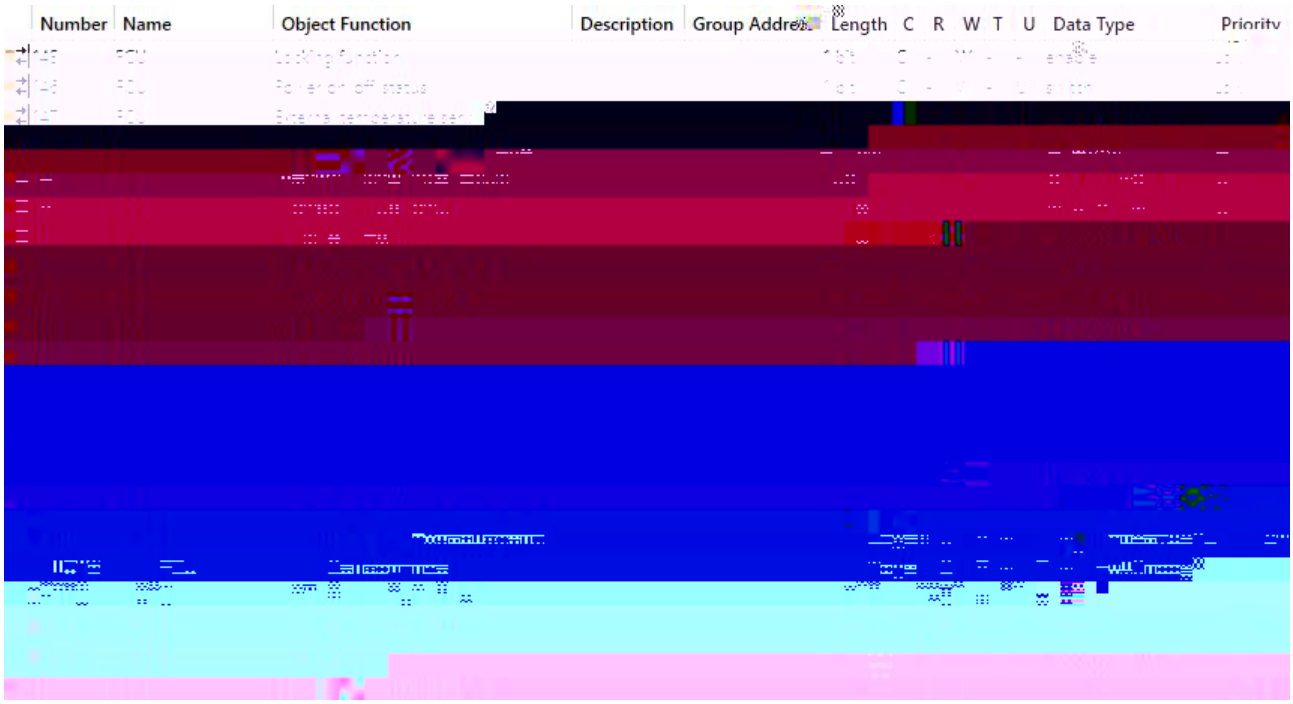
k

! !

k k

! ! !

! ! ! k



k › › › ›					
k › › › › k					
k					

k k , , , , k					
k k k					
k k k					
k k k k					
k , , , , k					

! ! !

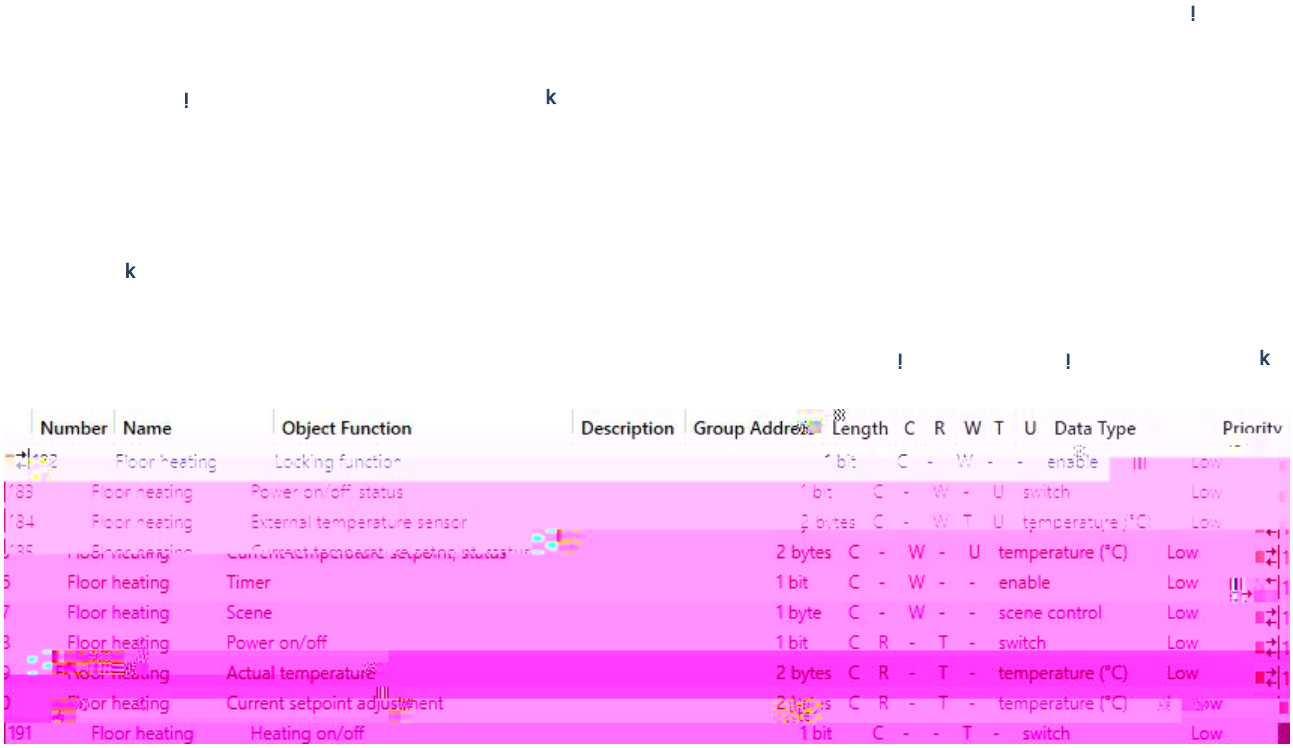
! ! k

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
[illegible]	VRF	Locking function			1 bit	C	-	W	-	-	enable	Low
169	VRF	Power on/off status			1 bit	C	-	W	T	U	switch	Low
170	VRF	External temperature sensor			2 bytes	C	-	W	T	U	temperature (°C)	Low
[illegible]												

k

k

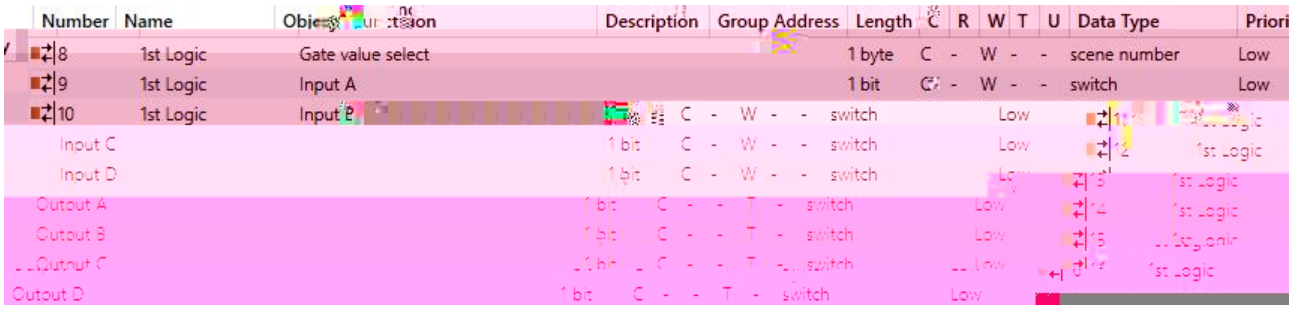
k



Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
[illegible]	Floor heating	Locking function			1 bit	C	-	W	-	-	enable	Low
183	Floor heating	Power on/off status			1 bit	C	-	W	-	U	switch	Low
184	Floor heating	External temperature sensor			2 bytes	C	-	W	T	U	temperature (°C)	Low
[illegible]	[illegible]	[illegible]			2 bytes	C	-	W	-	U	temperature (°C)	Low
5	Floor heating	Timer			1 bit	C	-	W	-	-	enable	Low
7	Floor heating	Scene			1 byte	C	-	W	-	-	scene control	Low
8	Floor heating	Power on/off			1 bit	C	R	-	T	-	switch	Low
9	Floor heating	Actual temperature			2 bytes	C	R	-	T	-	temperature (°C)	Low
0	Floor heating	Current setpoint adjustment			2 bytes	C	R	-	T	-	temperature (°C)	Low
191	Floor heating	Heating on/off			1 bit	C	-	-	T	-	switch	Low

k , , , ,					
k , , , , k					
k					
k k					

k › › › ›					
k					
k					
k › › k					
k k					
k k k					
k k					
k k					

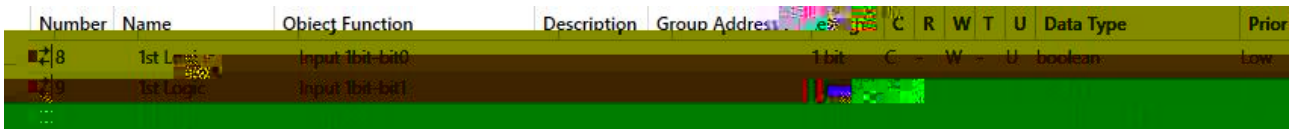


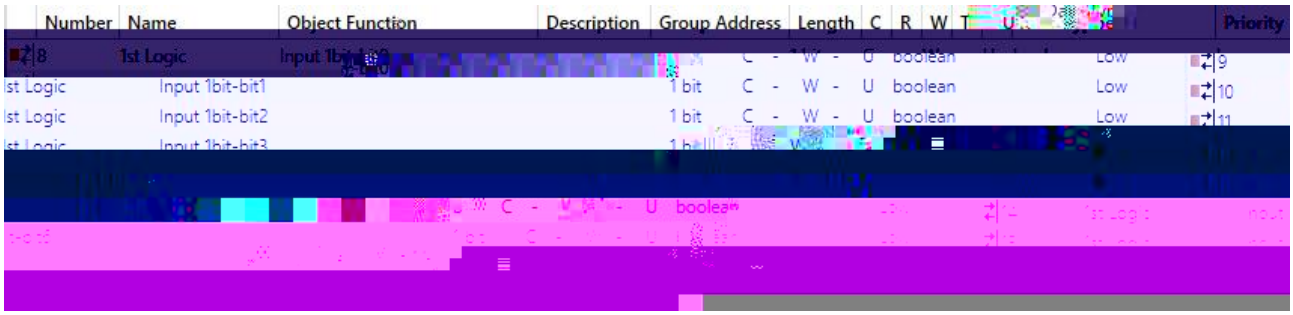
Number	Name	Object function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priori
8	1st Logic	Gate value select			1 byte	C	-	W	-	-	scene number	Low
9	1st Logic	Input A			1 bit	C	-	W	-	-	switch	Low
10	1st Logic	Input B			1 bit	C	-	W	-	-	switch	Low
		Input C			1 bit	C	-	W	-	-	switch	Low
		Input D			1 bit	C	-	W	-	-	switch	Low
		Output A			1 bit	C	-	-	T	-	switch	Low
		Output B			1 bit	C	-	-	T	-	switch	Low
		Output C			1 bit	C	-	-	T	-	switch	Low
		Output D			1 bit	C	-	-	T	-	switch	Low

k

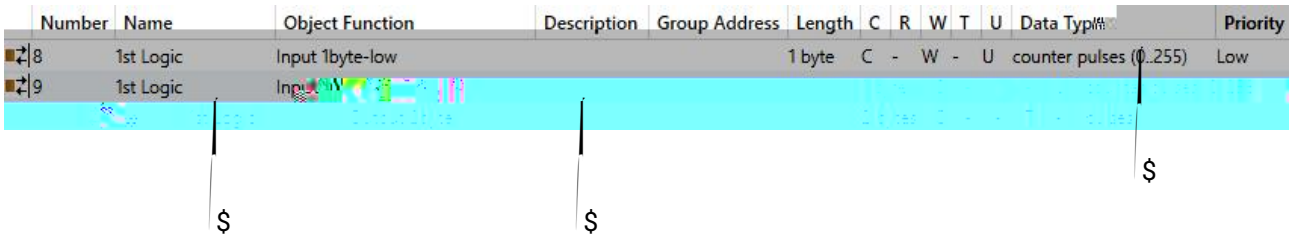
Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
8	1st Logic	Threshold value input			4 bit	C	-	W	-	U	dimming control	Low
8	1st Logic	Threshold value input			1 byte	C	-	W	-	U	counter pulses (0..255)	Low
8	1st Logic	Threshold value input			2 bytes	C	-	W	-	U	pulses	Low
8	1st Logic	Thr[redacted] input			4 bytes	C	-	W	-	U	counter pulses (unsigned)	Low

k					
k					k





Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
8	1st Logic	Input 1byte			1 byte	C	-	W	-	U	counter pulses (0..255)	Low
16	1st Logic	Output 2byte			2 bytes	C	-	-	T	-	pulses	Low



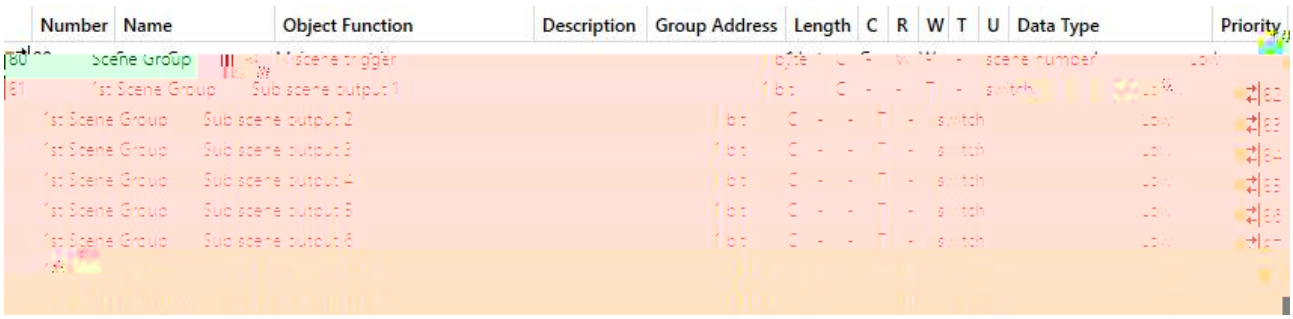


Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
8	1st Logic	Input 1byte			1 byte	C				U	counter pulses (0..255)	

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
8	1st Logic	Input 2byte			2 bytes	C	-	W	-	U	pulses	Low
15	1st Logic	Output 1byte-low			1 byte	C	-	-	T	-	counter pulses (0..255)	Low
16	1st Logic	Output 1byte-high			1 byte	C	-	-	T	-	counter pulses (0..255)	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
8	1st Logic	Input 2byte			2 bytes	C	-	W	-	U	pulses	Low
9	1st Logic	Input 1byte-middle			1 byte	C	-	W	-	U	counter pulses (0..255)	Low
10	1st Logic	Input 1byte-high			1 byte	C	-	W	-	U	counter pulses (0..255)	Low
15	1st Logic	Output 1byte-low			1 byte	C	-	-	T	-	counter pulses (0..255)	Low
16	1st Logic	Output 1byte-high			1 byte	C	-	-	T	-	counter pulses (0..255)	Low

k					
k					

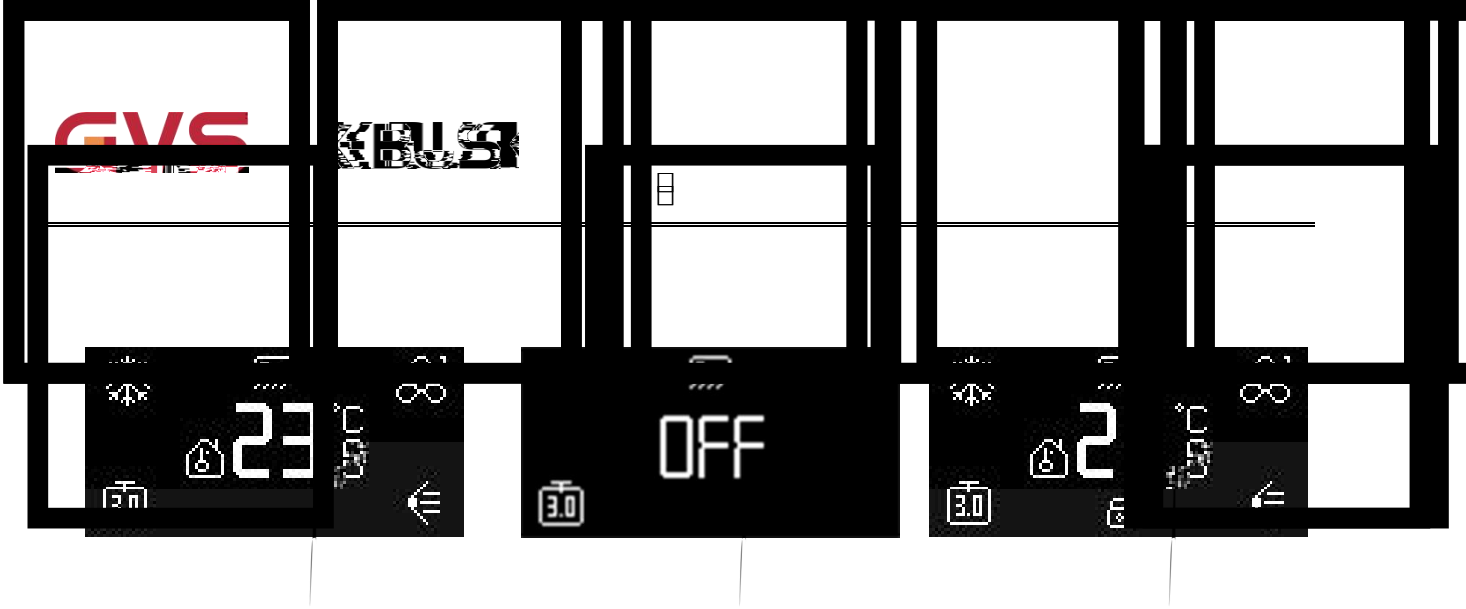

Number
Name
Object Function
Description
Group Address
Length
C
R
W
T
U
Data Type
Priority
Scene Group
1st Scene Group
Sub scene output 1
Sub scene output 2
Sub scene output 3
Sub scene output 4
Sub scene output 5
Sub scene output 6
switch

					k
					k k k





k


23
°C
OFF
3.0
2
°C
3.0

k

k

k

k

k

k

k

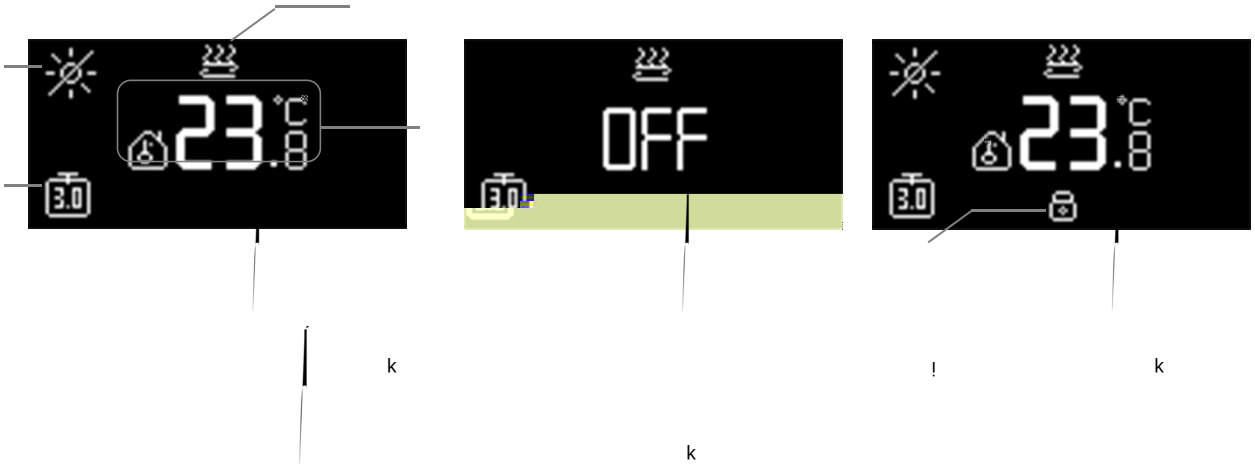
k

k

k

k

k



k

k

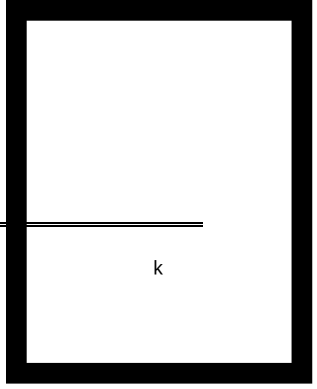
k

k

k







F

k

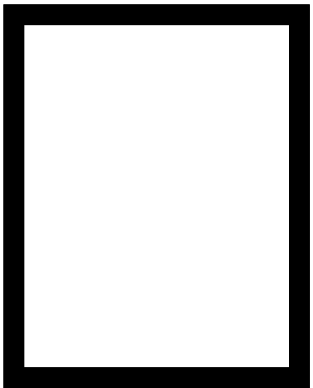
k

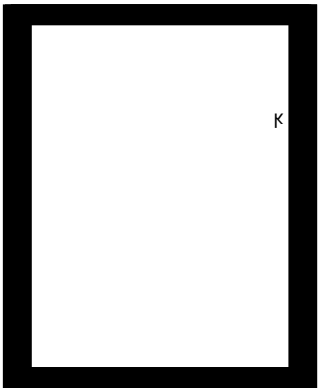




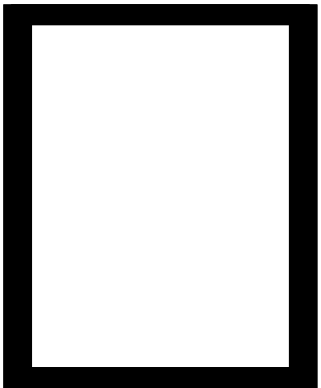


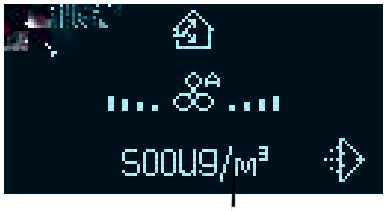


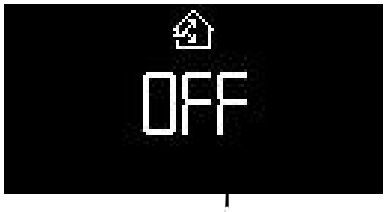


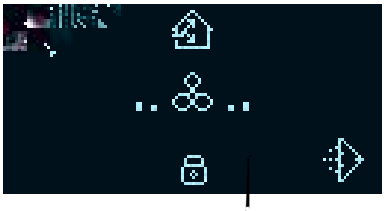


k









k

! !

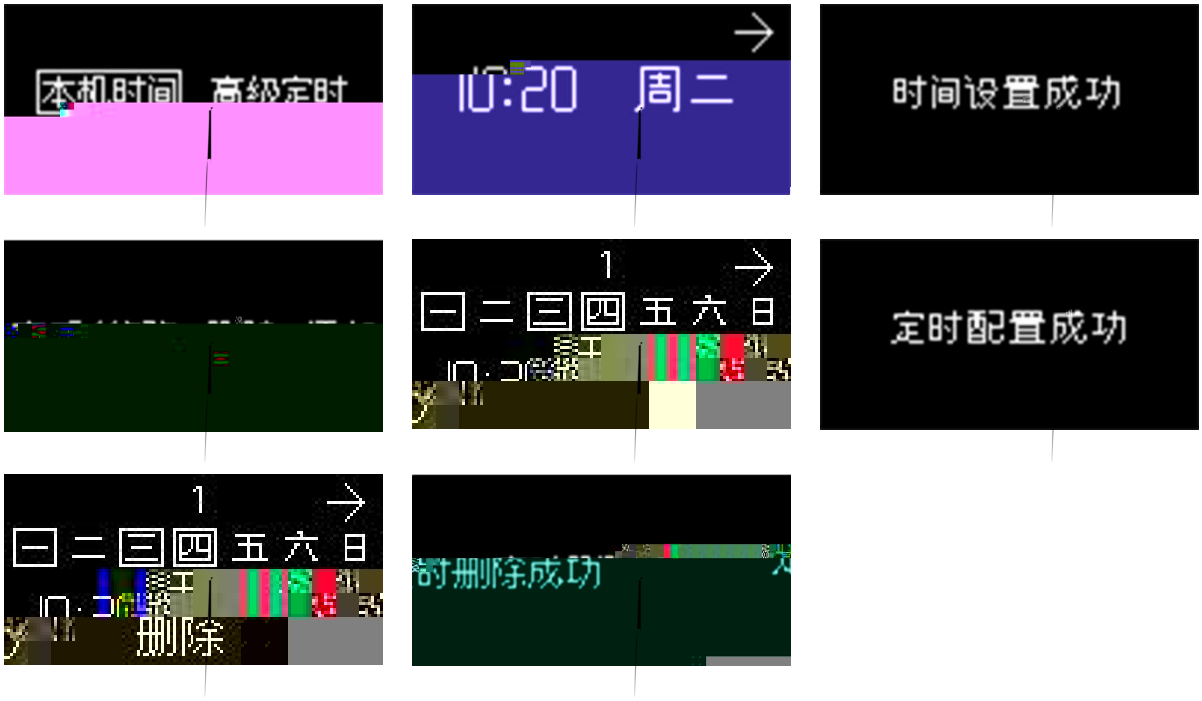
k

k

F

k

k



! !

k k

!

k

k

k

k

!

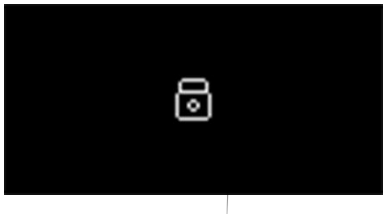
k

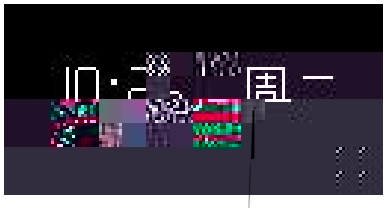
k k

!

k □ □ □







k

k

k