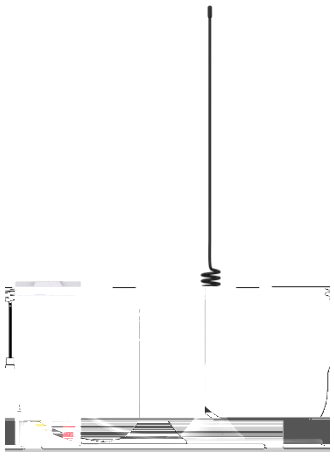
# KNX-Tuya ZigBee

## KNX Gateway for Tuya ZigBee_V2.1

BTMO-TY/00.1(2)

BTMO-TY/00.3(4)

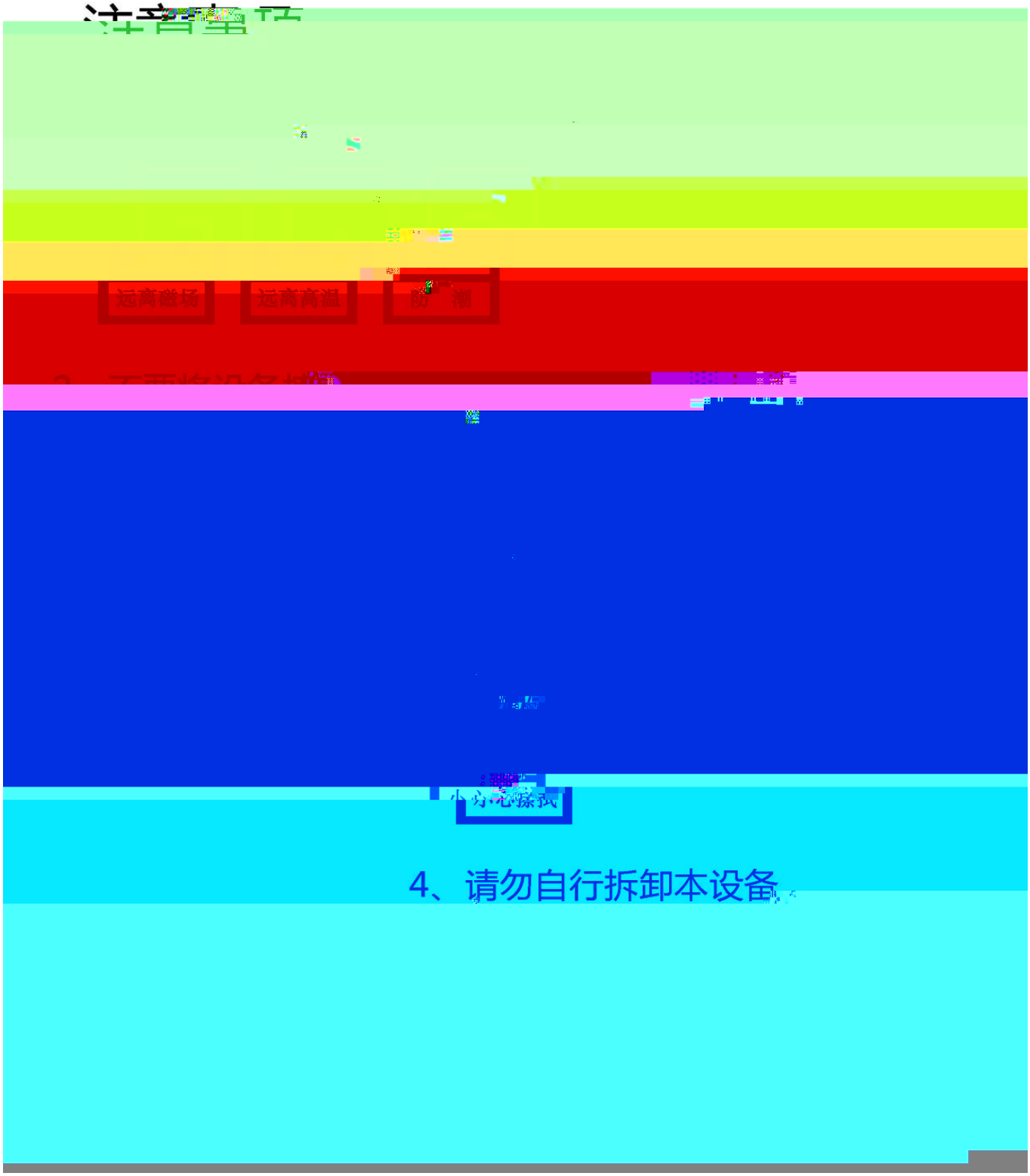








KNX/EIB




4、请勿自行拆卸本设备。

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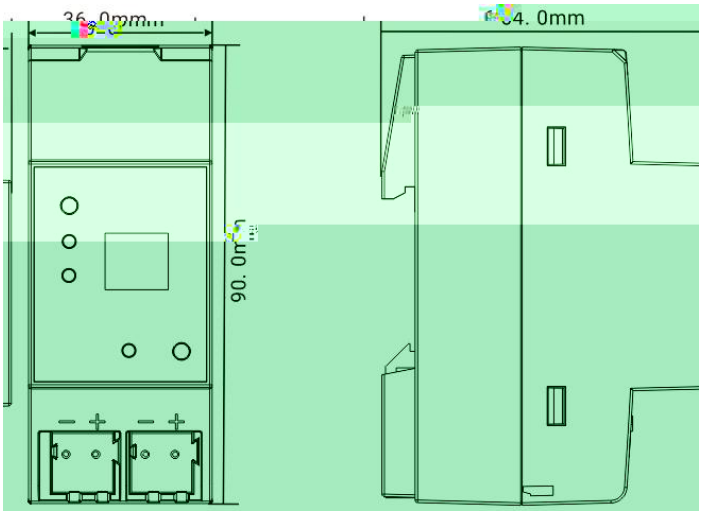
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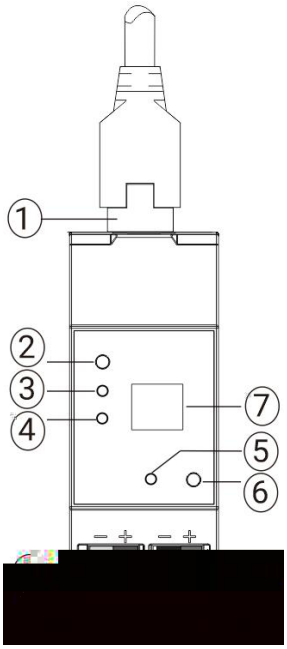
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- 
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- 
- 

3.1




3.2

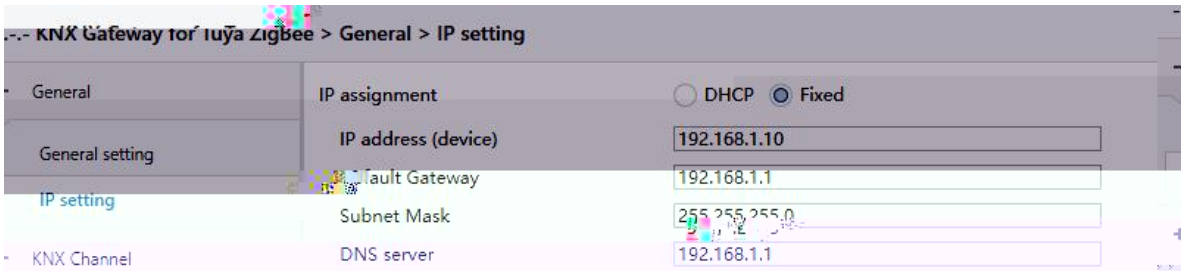


KNX

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5.1.2. “IP setting”




“IP assignment”

DHCP

Fixed

“IP address (device)”

0-255.0-255.0-255.0-255

“Default Gateway”

0-255.0-255.0-255.0-255

“Subnet Mask”

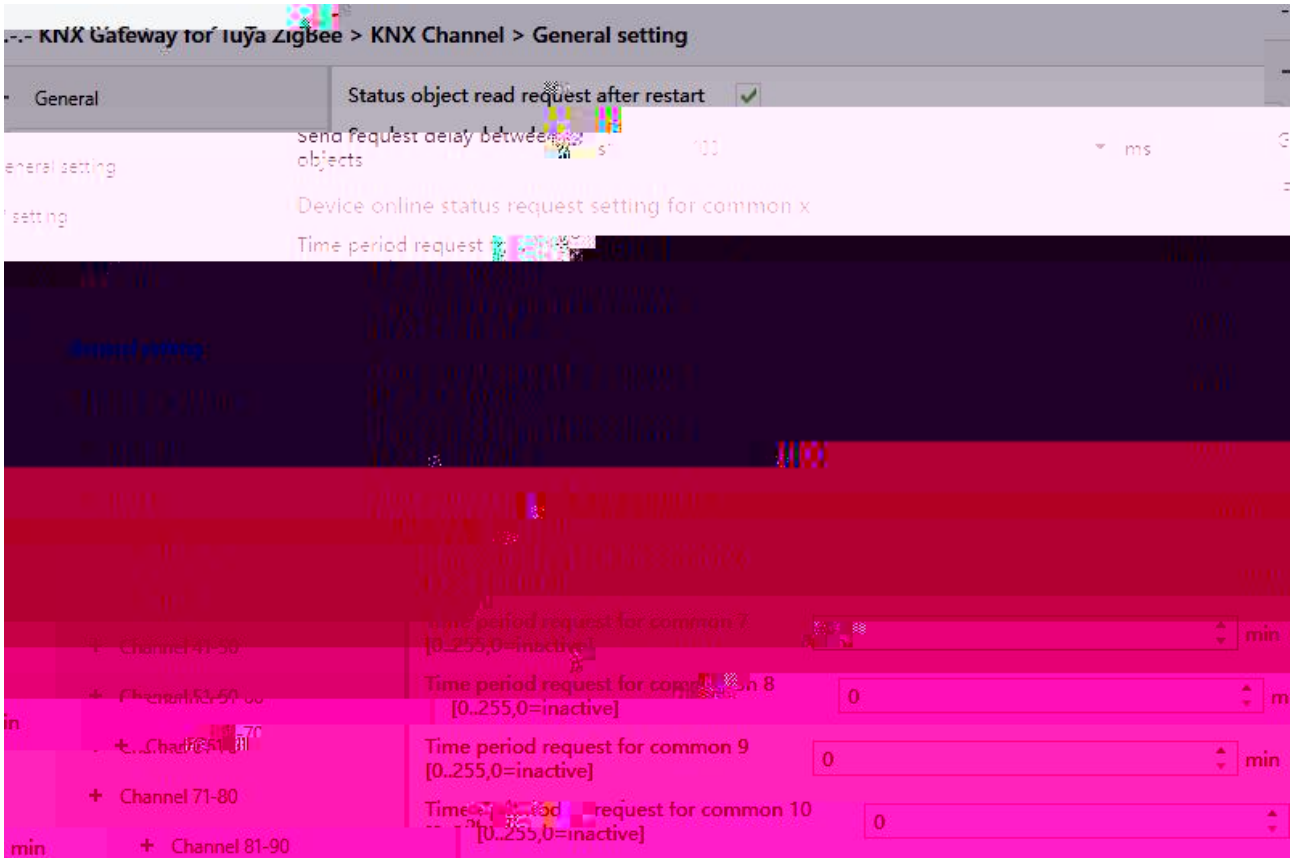
0-255.0-255.0-255.0-255

“DNS server”

0-255.0-255.0-255.0-255

## 5.2. “KNX Channel ”

### 5.2.1. “General setting”




“Status object read request after restart”

“Send request delay between status objects”—

50ms

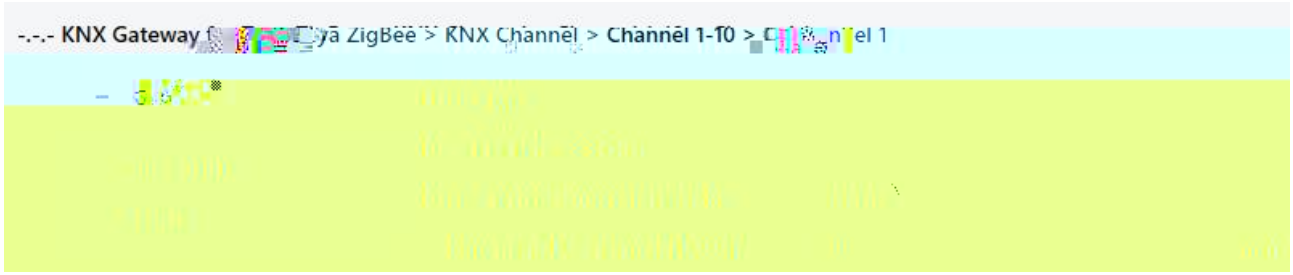
100ms

200ms

Device online status request setting for common x x

“Time period request for com- ”

5.2.3. “Channel x”(x=1~150)




“Device type”

Switch
Switch/Dimming
RGB dimming
RGBW dimming
Color temperature
Curtain step/move
Roller blind step/move
Curtain position
Roller blind position
Venetian blind position and slat
Value sender
Scene switch
Air conditioner
Air conditioner(with swing)
Room temperature unit
Room temperature unit(with operation mode)
Room temperature unit(with operation mode & fan speed)
Ventilation system
Audio control
Audio control(with on/off)
Air quality sensor
CO2 sensor
PM2.5 sensor
VOC sensor
Presence sensor
Motion sensor
Brightness sensor
I/O signal
Current metering
Energy metering

| 1-100 | 101-150 |
| --- | --- |
| Switch<br>Switch/Dimming<br>Curtain step/move<br>Roller blind step/move<br>Air quality sensor<br>Energy metering | |

Description (max 30char.)

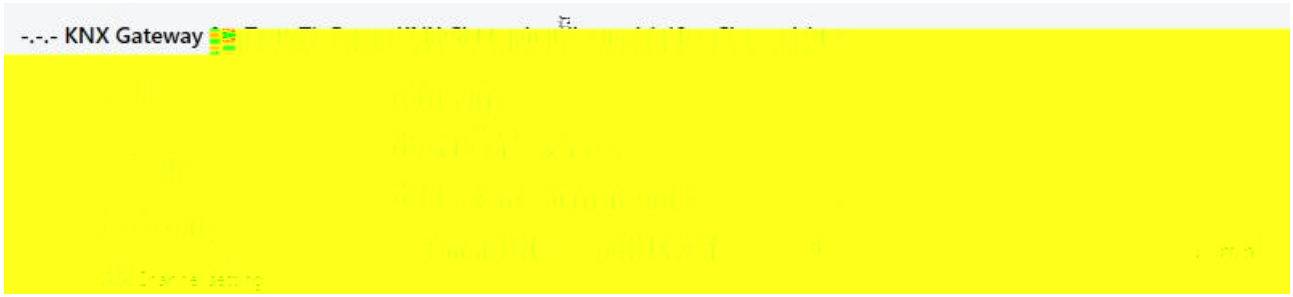
Device online status reference by

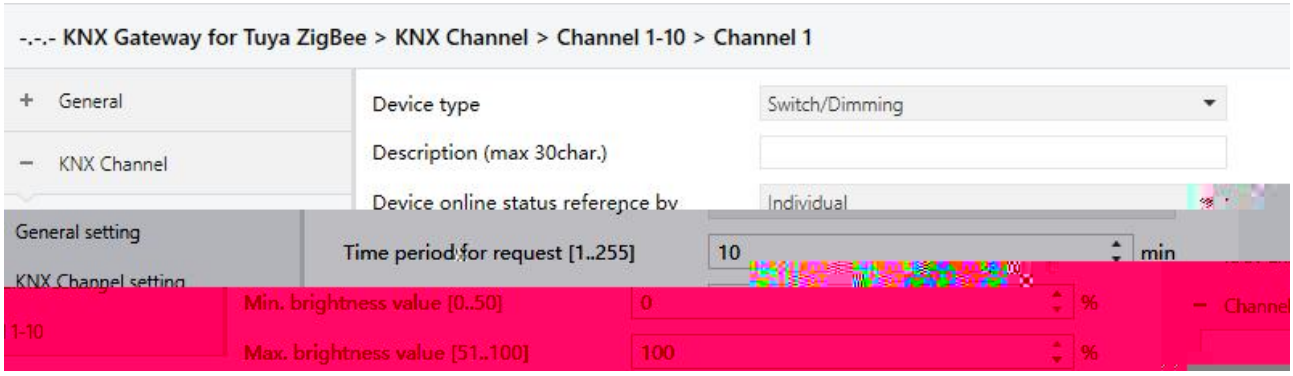
Common 1
...
Common 10
Individual
Always online

Time period for request [1..255] min

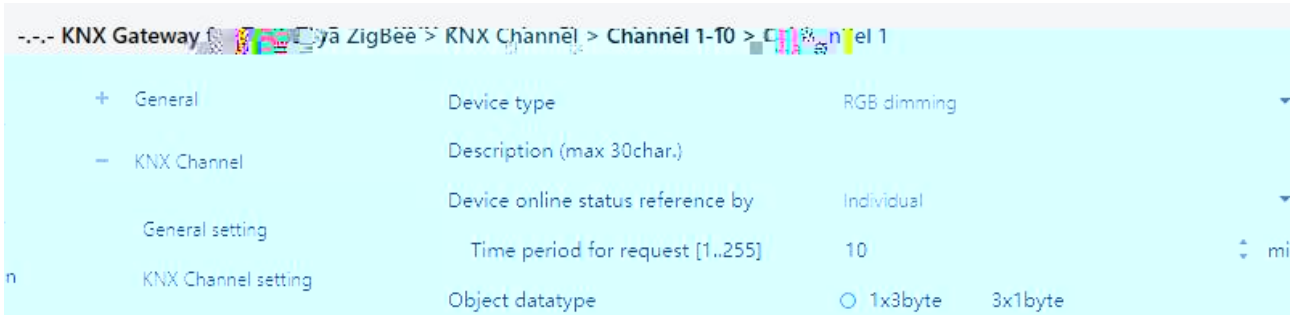
1..255

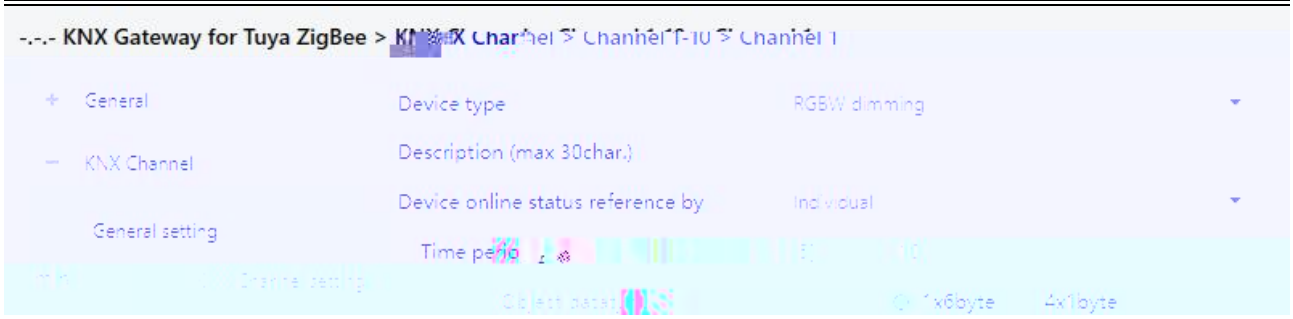
5.2.1.1.

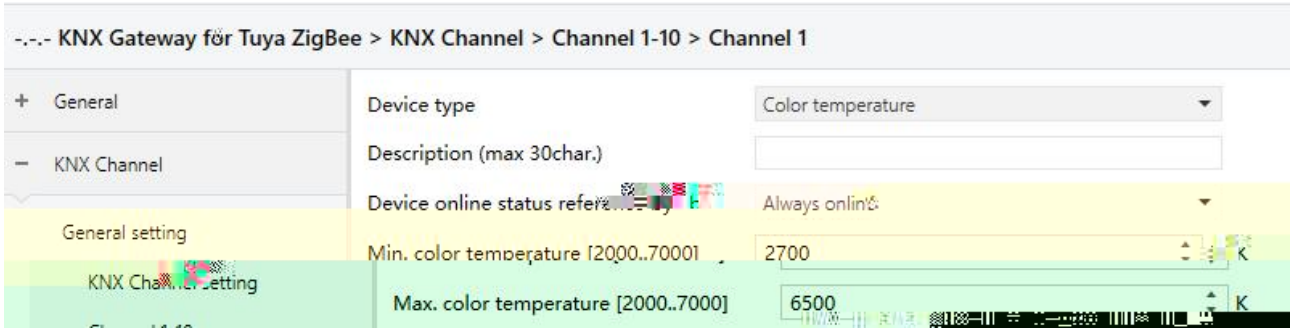

-.-.- KNX Gateway

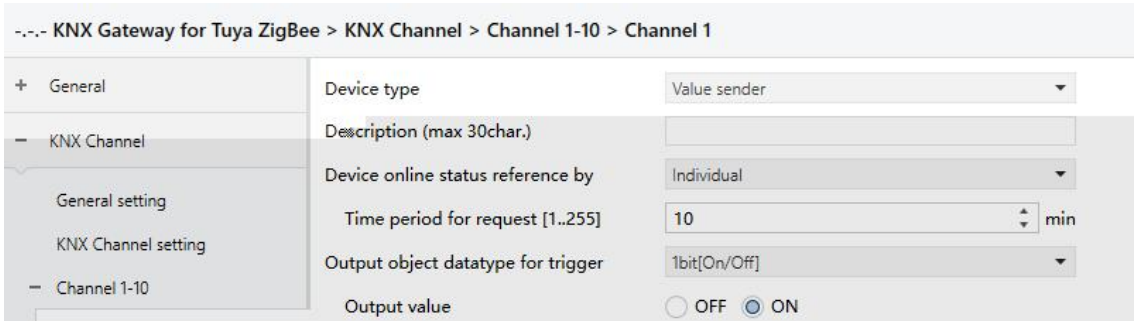

-.-.- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1
General
KNX Channel
Device type
Switch/Dimming
Description (max 30char.)
Device online status reference by
Individual
General setting
KNX Channel setting
Time period for request [1..255]
10
min
Min. brightness value [0..50]
0
%
Max. brightness value [51..100]
100
%

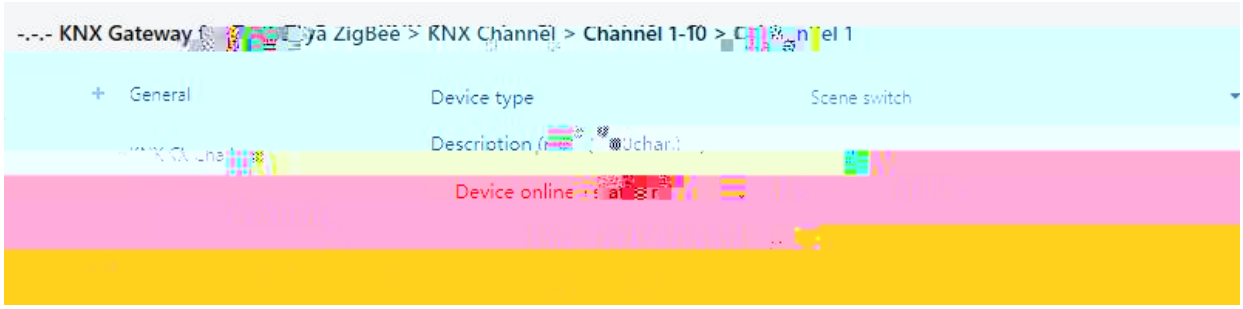



General
KNX Channel
General setting
KNX Channel setting
Device type
RGB dimming
Description (max 30char.)
Device online status reference by
Individual
Time period for request [1..255]
10
Object datatype
1x3byte
3x1byte


-.-.- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1
General
KNX Channel
General setting
Device type
RGBW dimming
Description (max 30char.)
Device online status reference by
Individual


-.-.- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1
General
KNX Channel
General setting
Device type
Color temperature
Description (max 30char.)
Always online
Min. color temperature [2000..7000]
2700
K
Max. color temperature [2000..7000]
6500
K


-.-.- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1
General
KNX Channel
General setting
KNX Channel setting
Channel 1-10
Device type
Value sender
Description (max 30char.)
Device online status reference by
Individual
Time period for request [1..255]
10
min
Output object datatype for trigger
1bit[On/Off]
Output value
OFF
ON


General
Device type
Scene switch

"Min. brightness value [0..50]%"

"Max. brightness value [51..100]%"

"Switch/Dimming"

0..50 51..100

"Object datatype"

"RGB dimming" "RGBW dimming" RGB RGBW

RGB

| | | |
|---|---|---|
| 1x3byte | 3byte | RGB |
| 3x1byte | 1byte | RGB |

RGBW

| | | |
|---|---|---|
| 1x6byte | 6byte | RGBW |
| 4x1byte | 1byte | RGBW |

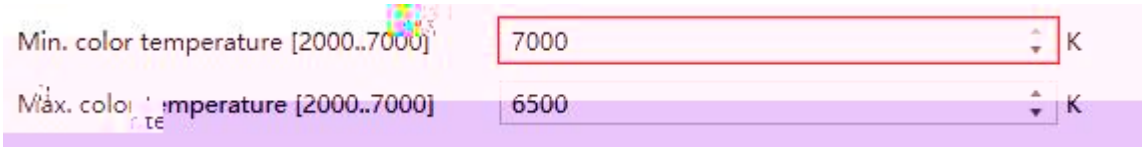
"Min. color temperature [2000..7000]K"

"Max. color temperature [2000..7000]K"

2000..7000

BTMO-TY/00.3(4)

ETS



## "Output object datatype for trigger"

1bit[On/Off]

2bit[0..3]

1byte[0..100%]

1byte[0..255]

1byte[scene control]

2byte[Float]

2byte[0..65535]

## "Output value"

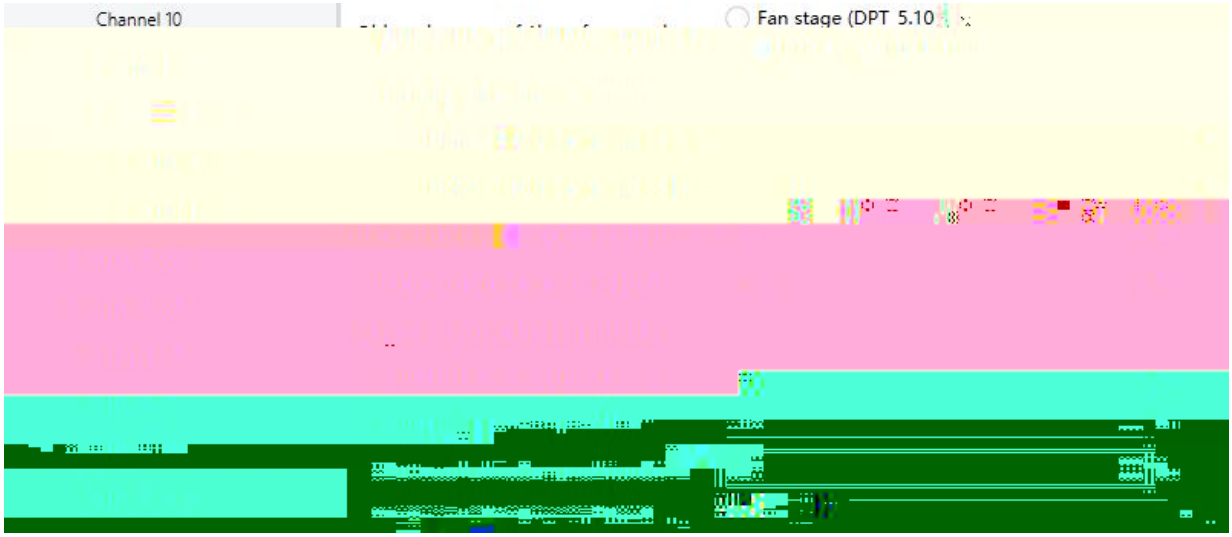
OFF ON(1bit) / 0..3(2bit) / 0..100(1byte) / 0..255(1byte) / 1..64(1byte) /
-671 088.64..670 760.96(2byte) / 0..65535(2byte)

## "Trigger scene No. from KNX"

1..64

5.2.1.2.


-.-.- KNX Gateway for Tuya ZigBee >
General
Device type
Air conditioner
Description (max 30cl
Dev ce online status refere
Individual
General setting
Time
Enable
Channel 11-20
Outpu




"Time period for request room temperature sensor [0..255]min"

0..255

"Min./Max. setpoint temperature [16..32] C"

16°C

17°C

...

32°C

ETS

Control mode setting

"Auto/Heating/Cooling/Fan/Dehumidification mode"

"Output value for auto/heating/cooling/fan/dehumidification [0..255]"

0255

"Status value for auto/heating/cooling/fan/dehumidification [0..255]

"Object datatype of 1byte fan speed"

Fan stage (DPT 5.100)

Percentage (DPT 5.001)

Output value for fan speed

"Output value for fan speed auto/low/medium/high"

0..255/0..100

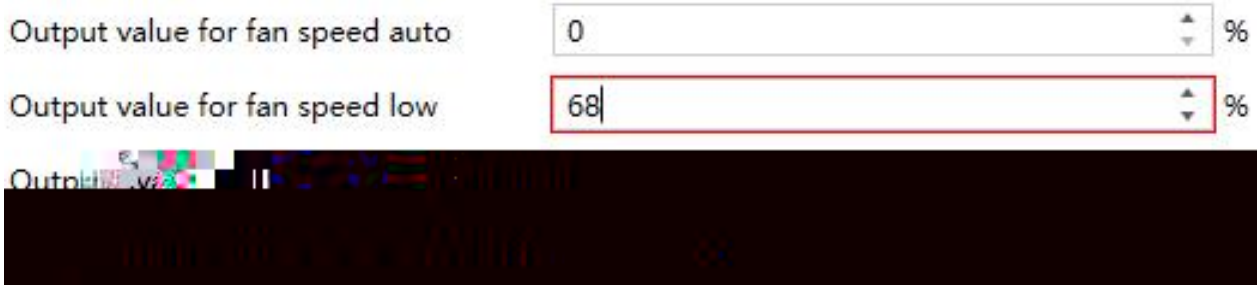
Status feedback for fan speed

"Status value for fan speed auto/low/medium/high"

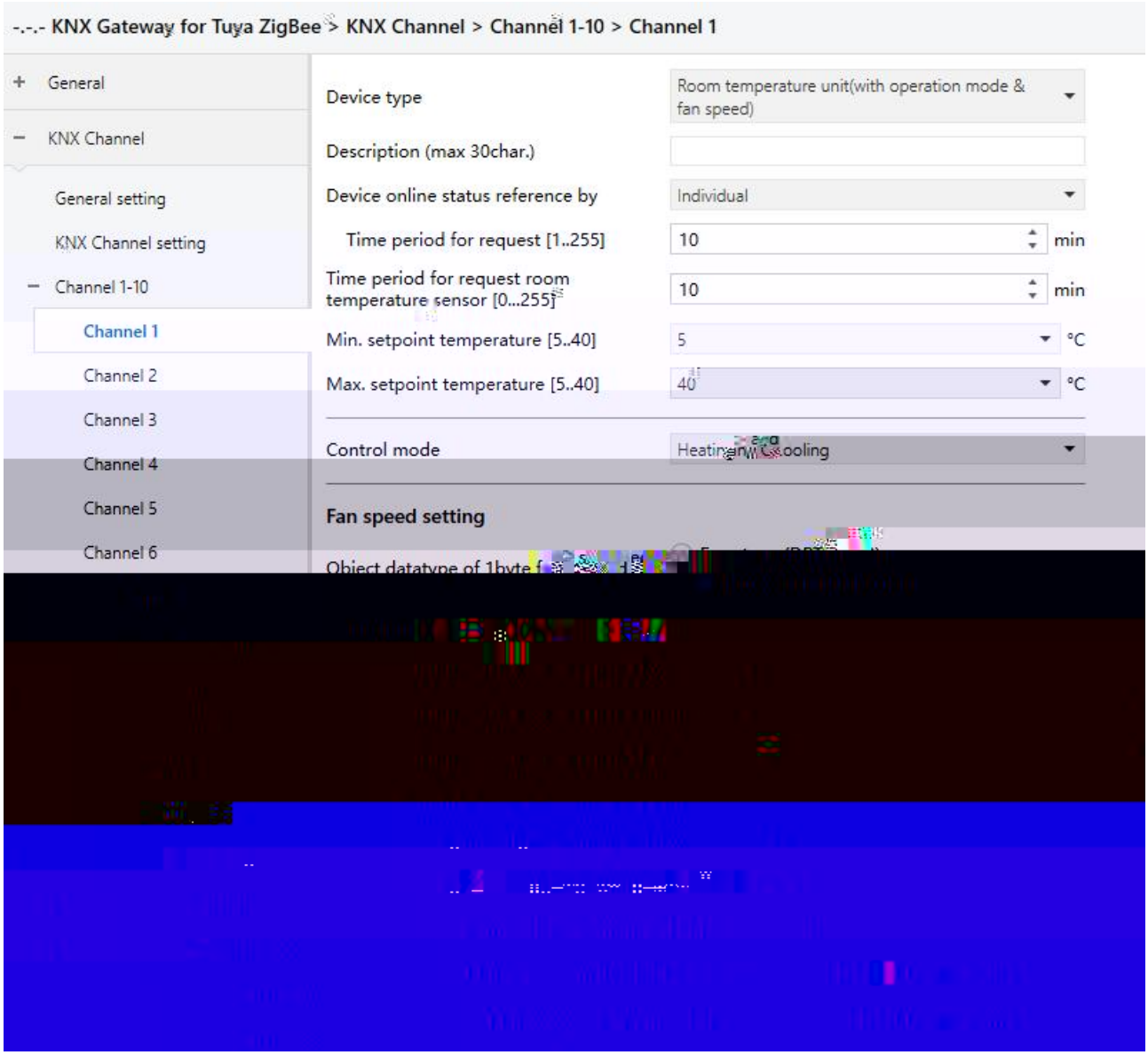
0..255/0..100

< < ETS

BTMO-TY/00.1(2)



5.2.1.3.


-.-.- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1
General
KNX Channel
General setting
KNX Channel setting
Channel 1-10
Channel 1
Channel 2
Channel 3
Channel 4
Channel 5
Channel 6
Device type
Room temperature unit(with operation mode & fan speed)
Description (max 30char.)
Device online status reference by
Individual
Time period for request [1..255]
10
min
Time period for request room temperature sensor [0...255]
10
min
Min. setpoint temperature [5..40]
5
°C
Max. setpoint temperature [5..40]
40
°C
Control mode
Fan speed setting

"Time period for request room temperature sensor [0..255]min"

0..255

"Min./Max. setpoint temperature [5..40] C"

5°C
6°C
...
40°C

ETS

"Control mode"

Heating

Cooling

Heating and Cooling

Fan speed setting

"Room temperature unit(with operation mode & fan speed)"

"Object datatype of 1byte fan speed"

Fan stage (DPT 5.100)

Percentage (DPT 5.001)

Output value for fan speed

"Output value for fan speed low/medium/high"

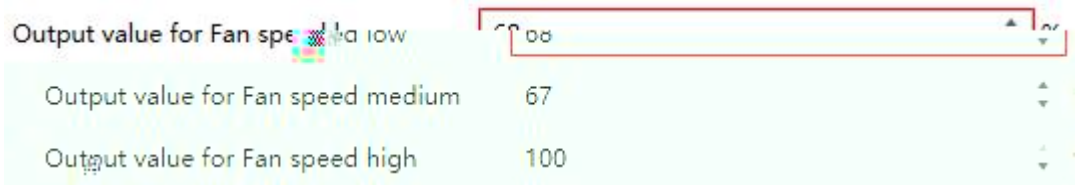
0..255/0..100

Status feedback for fan speed

"Status value for fan speed low/medium/high"

0..255/0..100

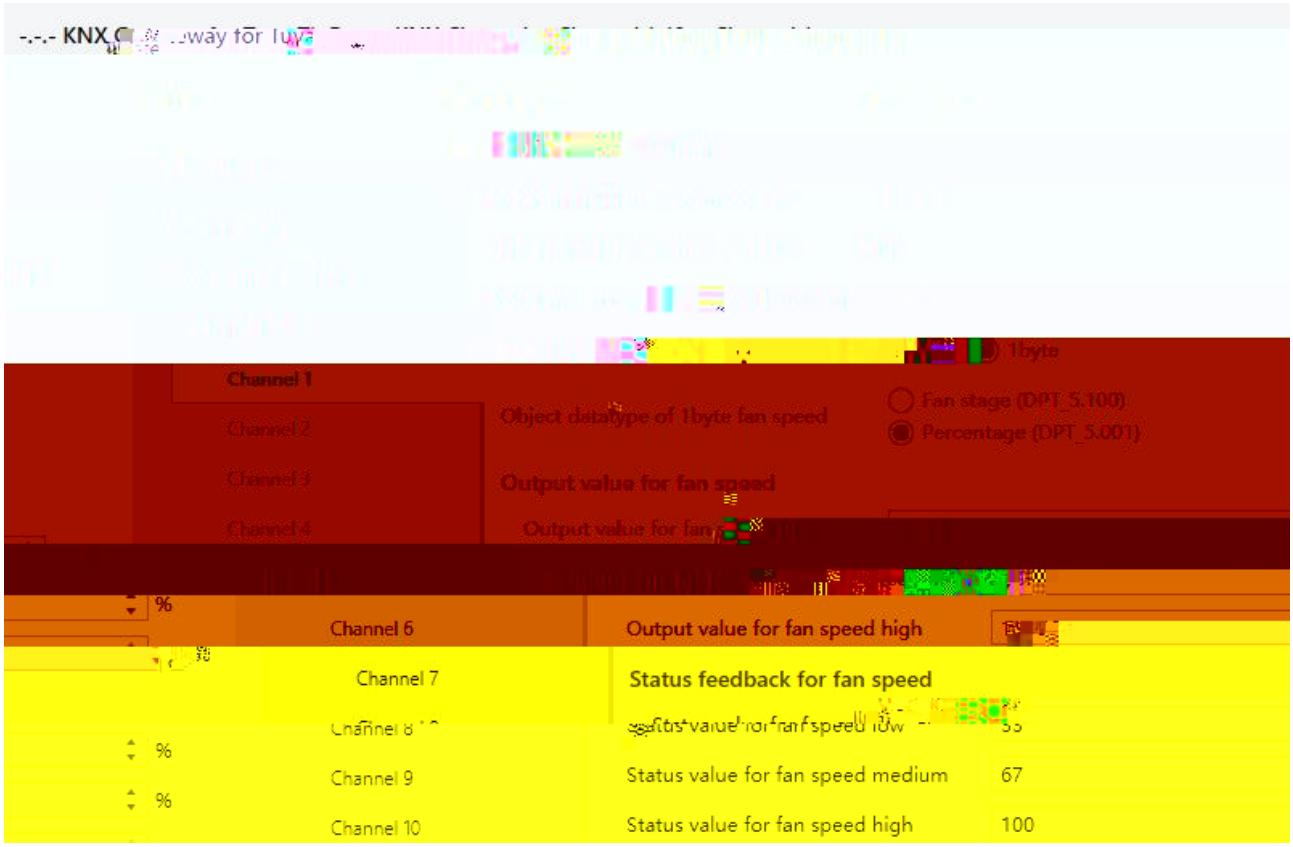
< < ETS




"1 bit object function for fan speed"

"1 bit object for fan speed off."

5.2.1.4.



"Default fan speed after ventilation on"

"Object datatype of absolute volume"

Percentage (DPT 5.001)

Percentage (DPT 5.004)

Output value for play mode

"Output value for play in single cycle/order/random"

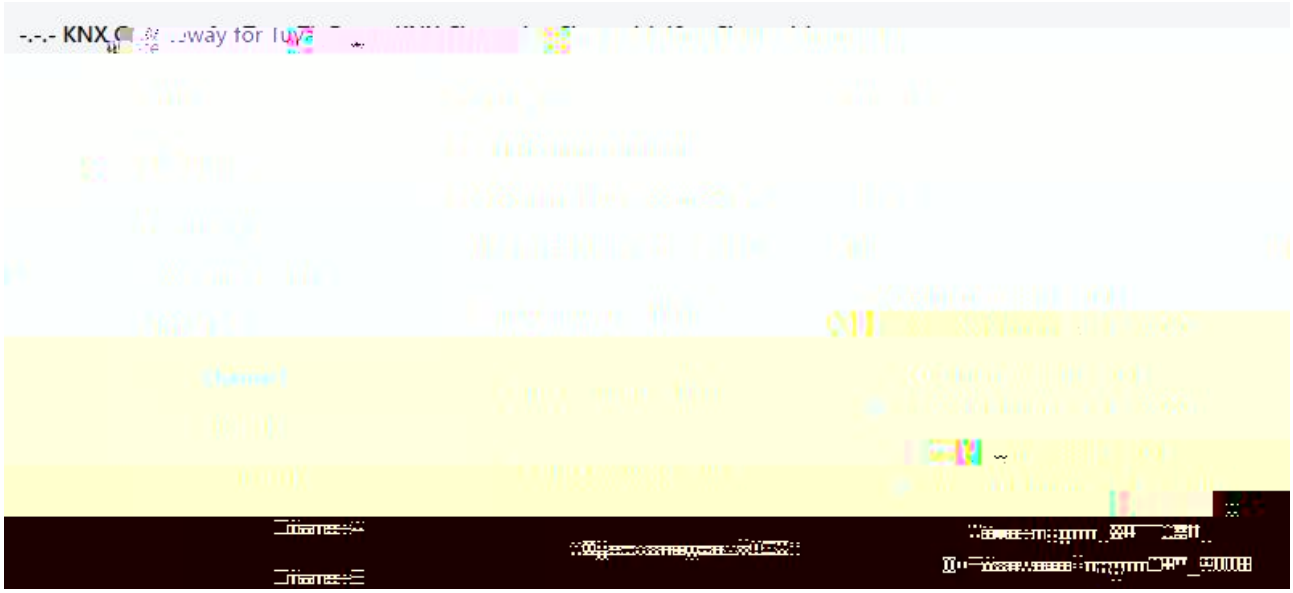
0..255

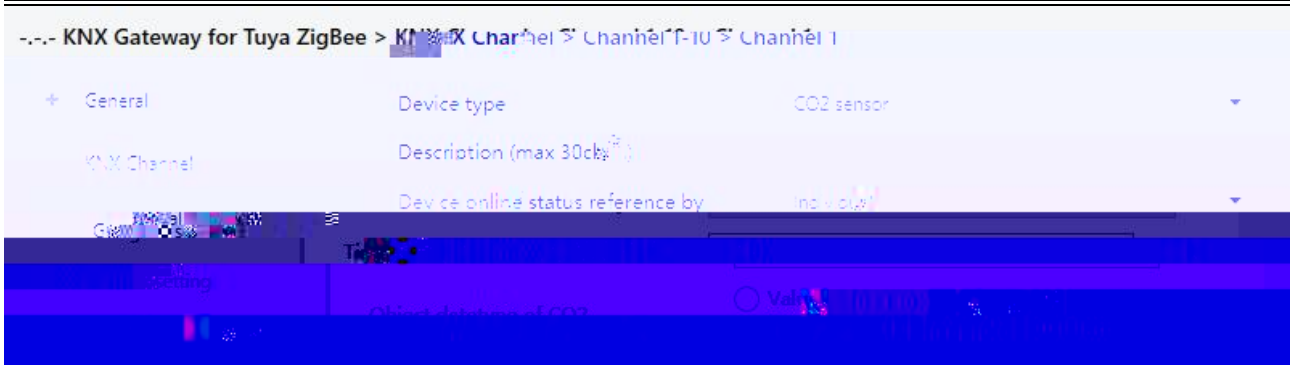
Status feedback for play mode

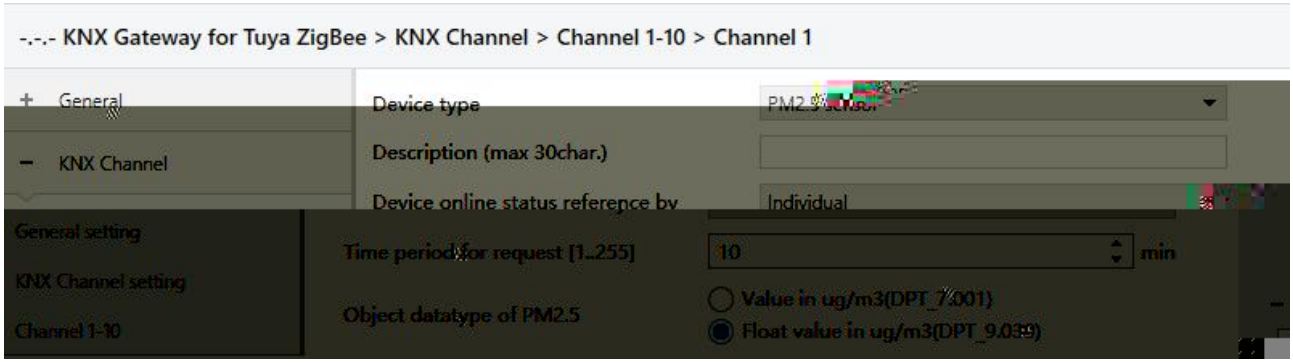
"Status value for for play in single cycle/order/random"

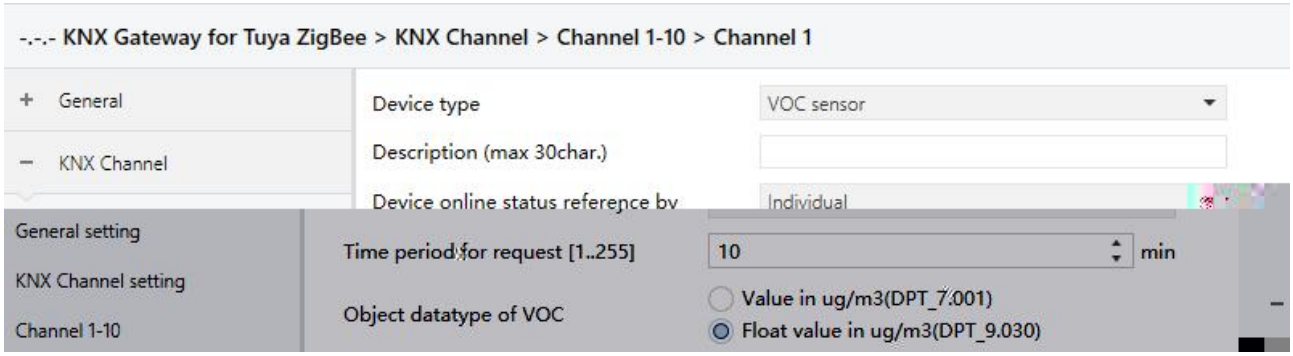
0..255

5.2.1.6.

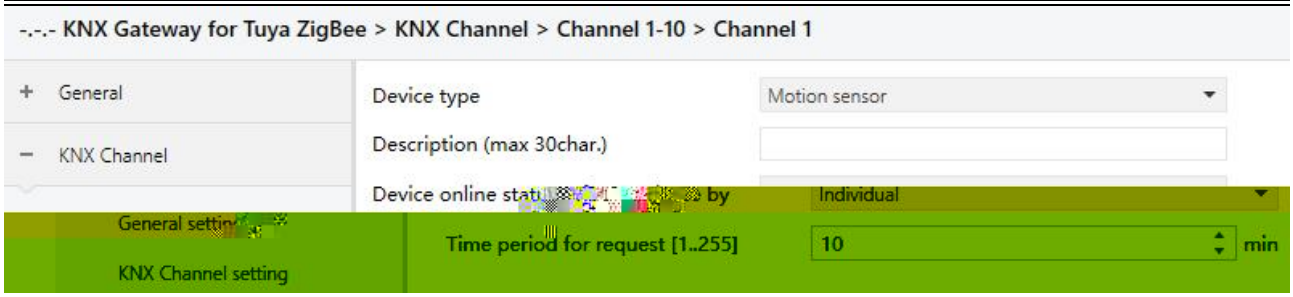


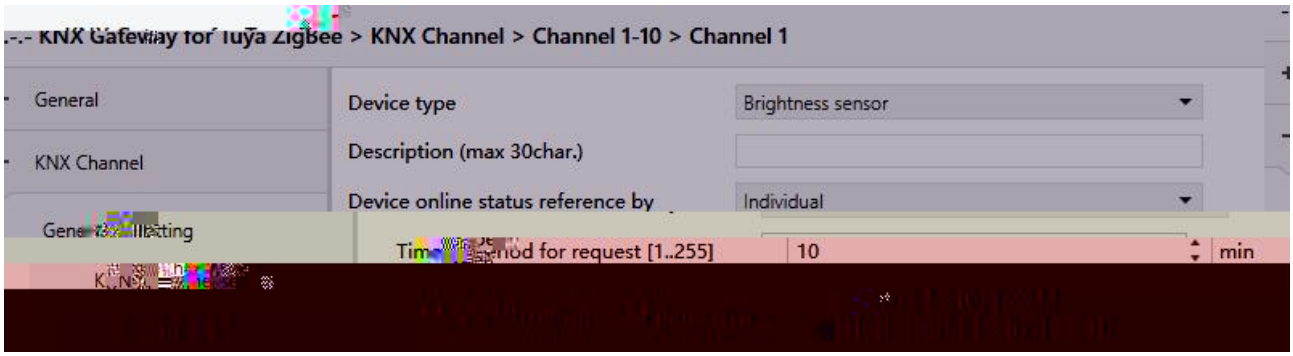

-.-.- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1
General
KNX Channel
Device type
CO2 sensor
Description (max 30char.)
Device online status reference by


-.-.- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1
General
KNX Channel
General setting
KNX Channel setting
Channel 1-10
Device type
PM2.5 sensor
Description (max 30char.)
Device online status reference by
Individual
Time period for request [1..255]
10
min
Object datatype of PM2.5
Value in ug/m3(DPT_7.001)
Float value in ug/m3(DPT_9.039)


-.-.- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1
General
KNX Channel
General setting
KNX Channel setting
Channel 1-10
Device type
VOC sensor
Description (max 30char.)
Device online status reference by
Individual
Time period for request [1..255]
10
min
Object datatype of VOC
Value in ug/m3(DPT_7.001)
Float value in ug/m3(DPT_9.030)


-.-.- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1
General
KNX Channel
Device type
Presence sensor
Description (max 30char.)







"Object datatype of PM2.5"

Value in ug/m3 (DPT 7.001)

Float value in ug/m3 (DPT 9.030)

"Object datatype of PM10"

Value in ug/m3 (DPT 7.001)

Float value in ug/m3 (DPT 9.030)

"Object datatype of VOC"

Value in ug/m3 (DPT 7.001)

Float value in ug/m3 (DPT 9.030)

"Object datatype of CO2"

Value in ppm (DPT 7.001)

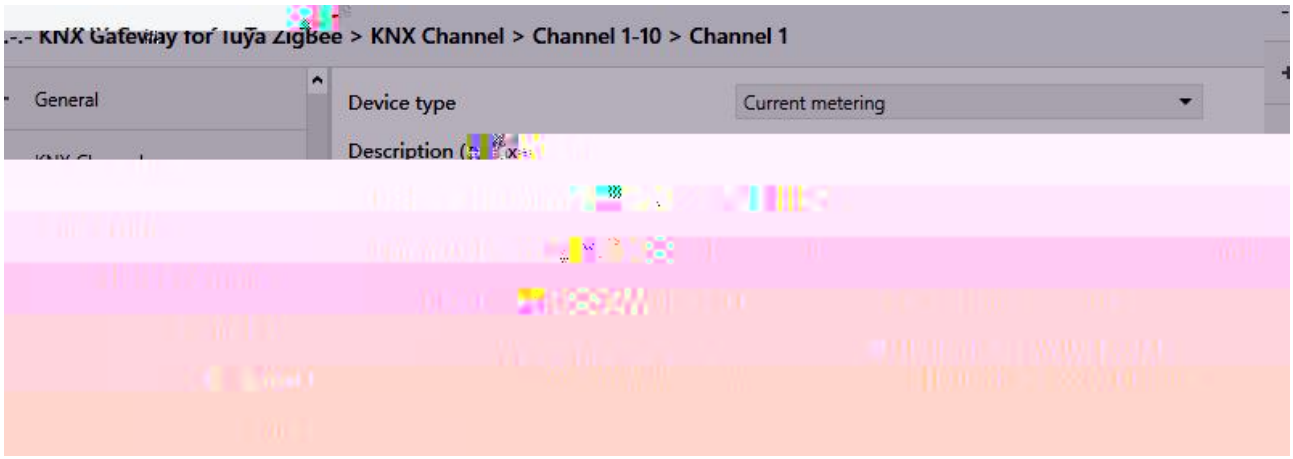
Float value in ppm (DPT 9.008)

"Object datatype of brightness(lux)"

Value in lux (DPT 7.013)

Float value in lux (DPT 9.004)

5.2.1.7.




"Object datatype of current"

Value in mA (DPT 7.012)

Float value in mA (DPT 9.021)

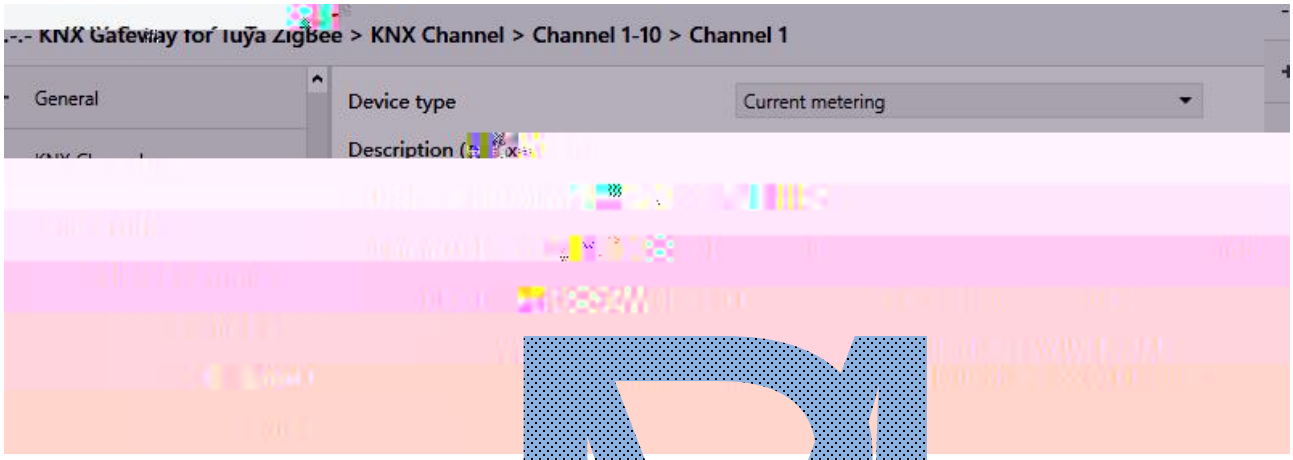
Float value in A (DPT 14.019)

"Object datatype of power"

Float value in kW (DPT 9.024)

Float value in W (DPT 14.056)

5.2.1.8.




Value in mA (D ” vJÚ

## 5.3. “Zigbee Channel”

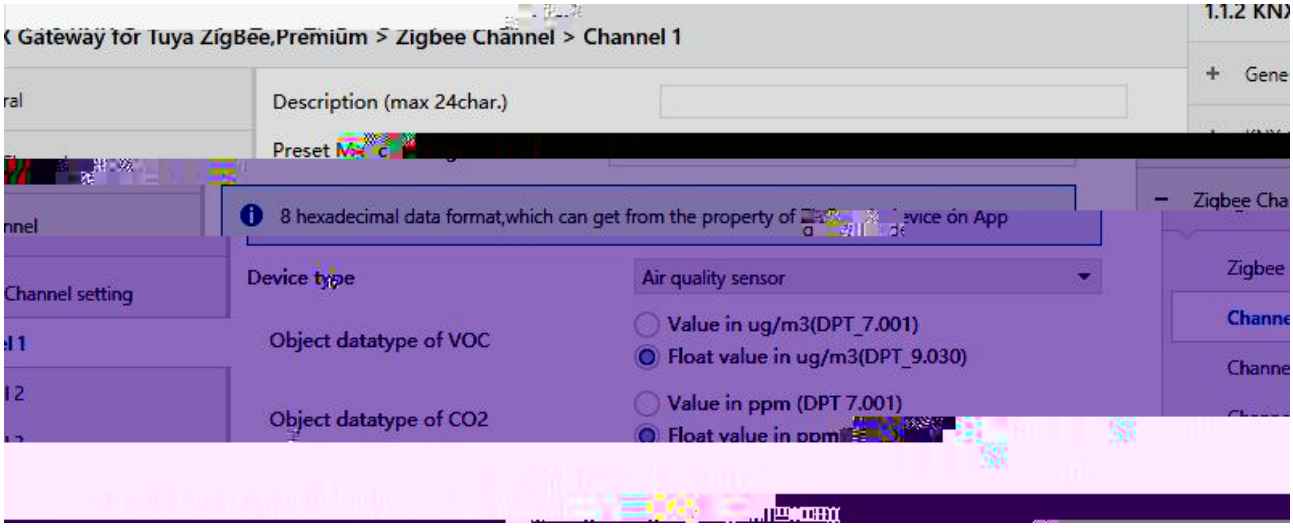
### 5.3.1. “Zigbee Channel setting”



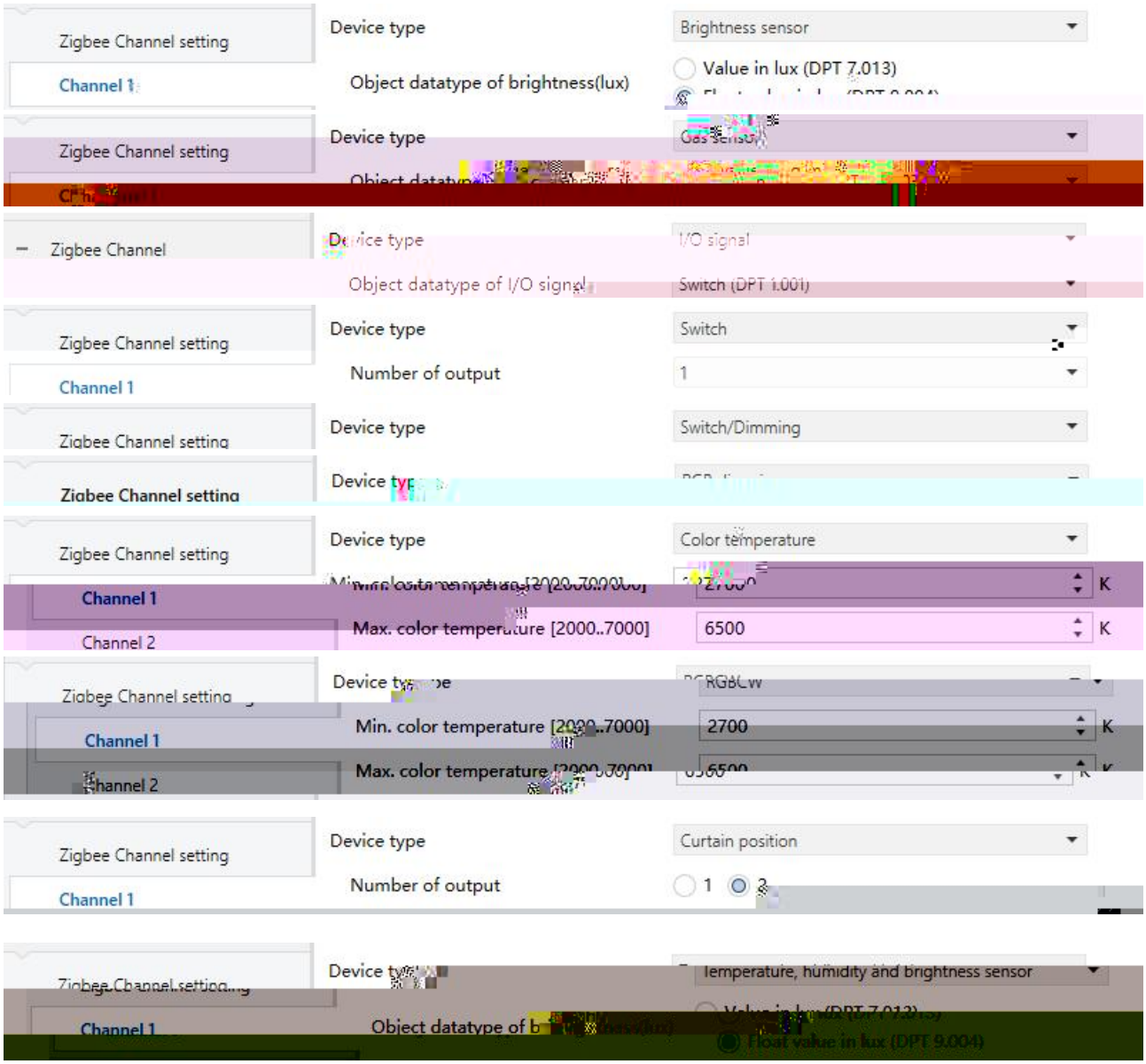
“Channel 1/2/3/...”

Zigbee BTMO-TY/00.3(4)

### 5.3.2. “Channel x”(x=1~32)







Zigbee Channel setting
Channel 1
Device type
Brightness sensor
Object datatype of brightness(lux)
Value in lux (DPT 7.013)
Zigbee Channel setting
Device type
Zigbee Channel
Device type
I/O signal
Object datatype of I/O signal
Switch (DPT 1.001)
Zigbee Channel setting
Channel 1
Device type
Switch
Number of output
1
Zigbee Channel setting
Device type
Switch/Dimming
Zigbee Channel setting
Channel 1
Channel 2
Device type
Color temperature
Max. color temperature [2000..7000]
6500
K
Zigbee Channel setting
Channel 1
Channel 2
Min. color temperature [2000..7000]
2700
K
Zigbee Channel setting
Channel 1
Device type
Curtain position
Number of output
1
2
Channel 1
Temperature, humidity and brightness sensor
Float value in lux (DPT 9.004)

"Object datatype of gas concentration"

Value in ug/m3 (DPT 7.001)

Float value in ppm (DPT 9.008)

Float value in ug/m3 (DPT 9.030)

"Object datatype of I/O signal"

Switch (DPT 1.001)

Boolean (DPT 1.002)

Alarm (DPT 1.005)

Occupancy (DPT 1.018)

Window/door (DPT 1.019)

"Number of output"

1 / 2 / 3

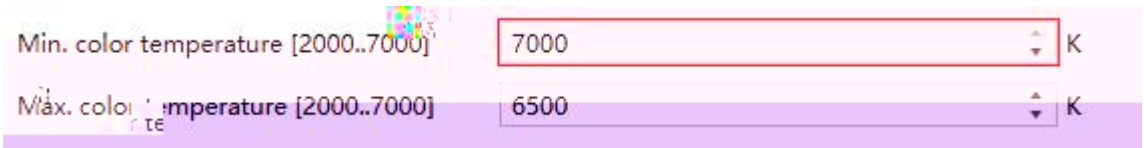
1 / 2

"Min. color temperature [2000..7000]K"

"Max. color temperature [2000..7000]K"

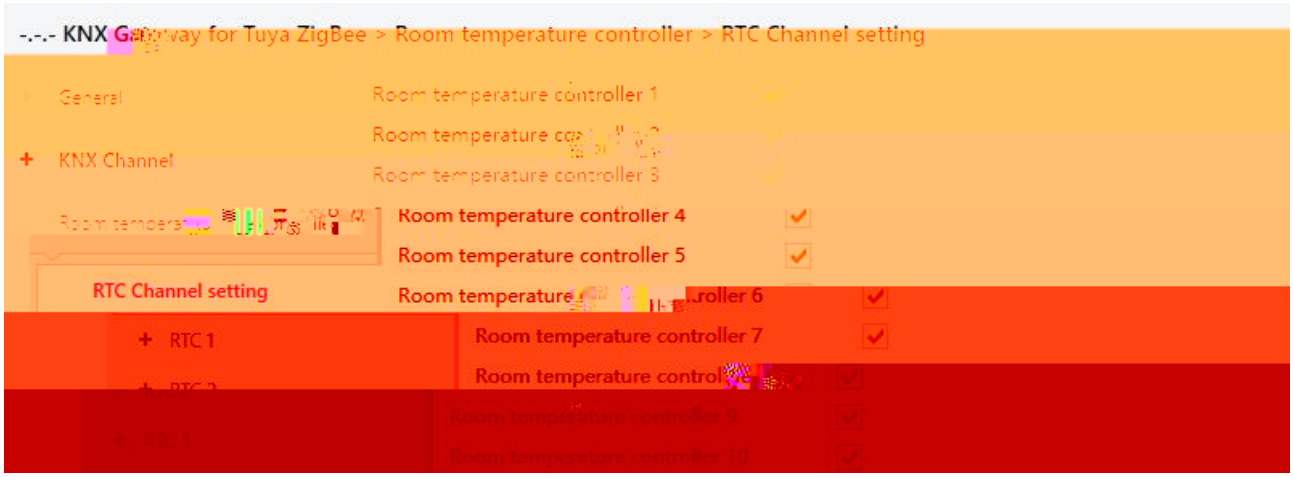
2000..7000

ETS



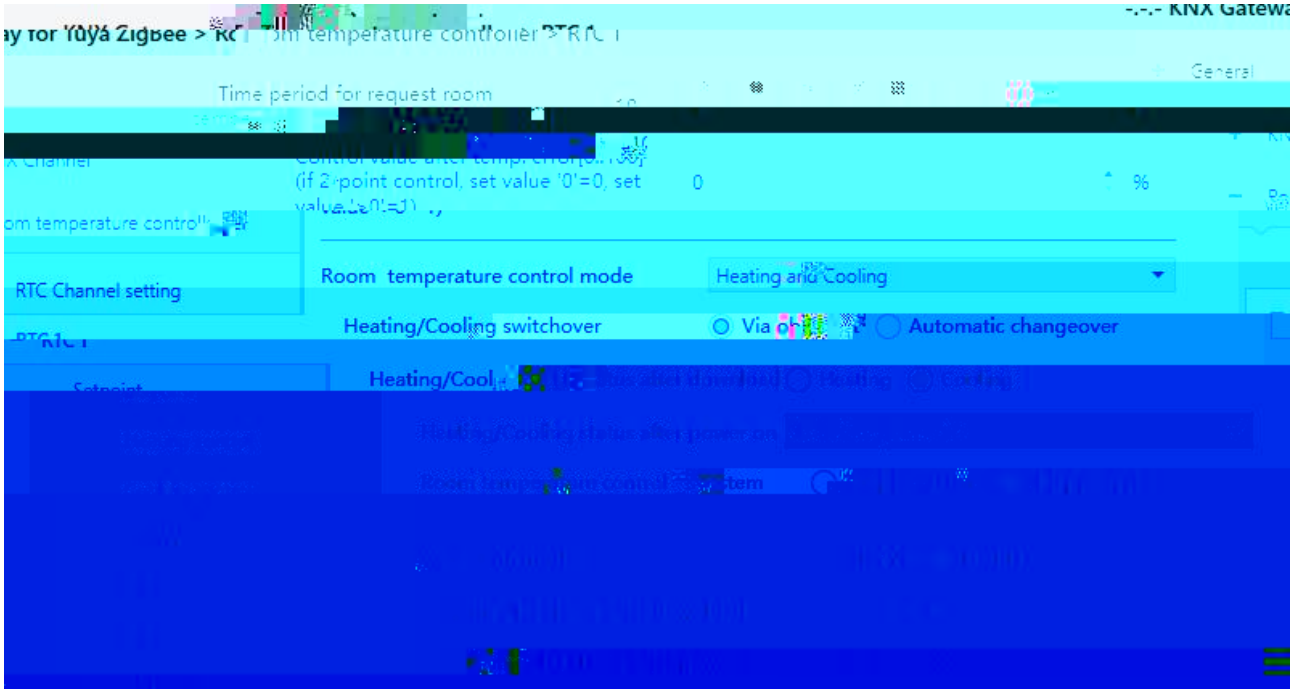
## 5.4. “Room temperature controller”

### 5.4.1. “RTC Channel setting”




“Room temperature controller 1/2/3/…”

### 5.4.2. “RTC x”(x=1~10)



## "Heating/Cooling status after power on"

Heating

Cooling

As before power off

## "Room temperature control system"

2 pipes system

4 pipes system

## "Operation mode"

Disable

Enable

RTC

*Fan speed auto control

5°C

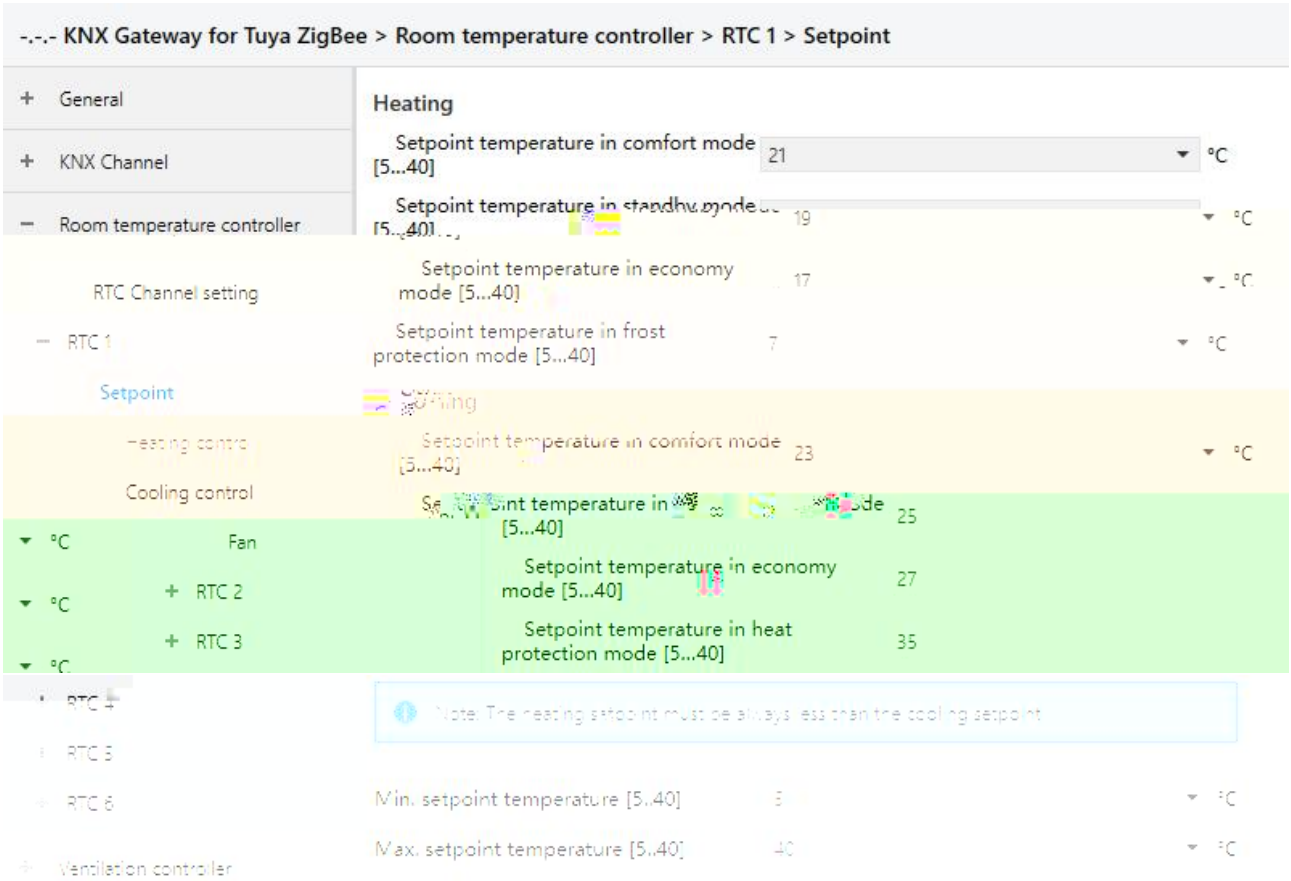
6°C

...

40°C

ETS

5.4.1.1. "Setpoint"



"Setpoint temperature in comfort mode [5...40] C"

"Setpoint temperature in standby mode [5...40] C"

"Setpoint temperature in economy mode [5...40] C"

"Setpoint temperature in frost protection mode [5...40] C"(for heating)

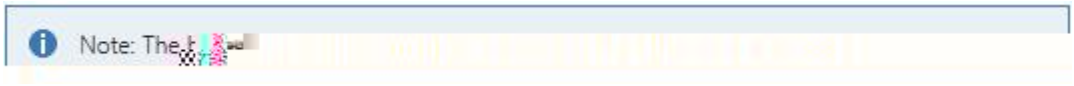
"Setpoint temperature in heat protection mode [5...40] C"(for cooling)

5°C

6°C

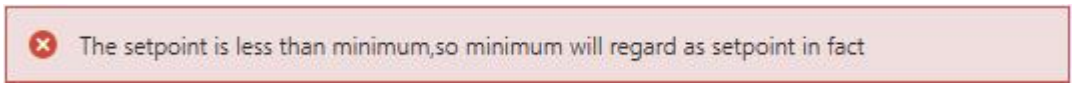
...

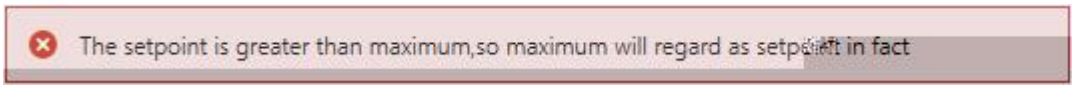
40°C




Heating and Cooling

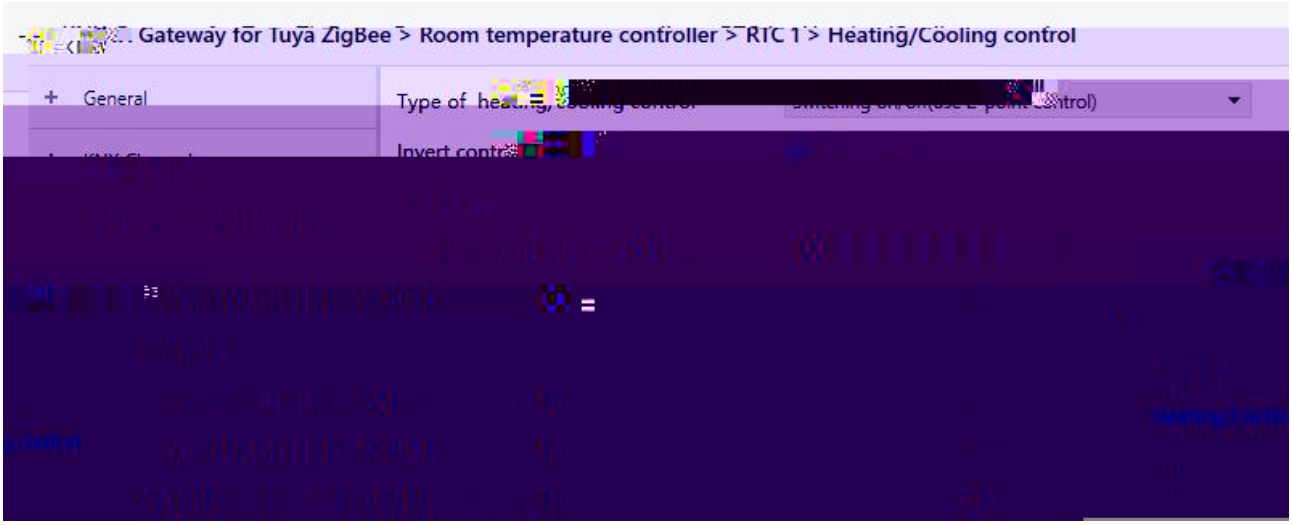
ETS

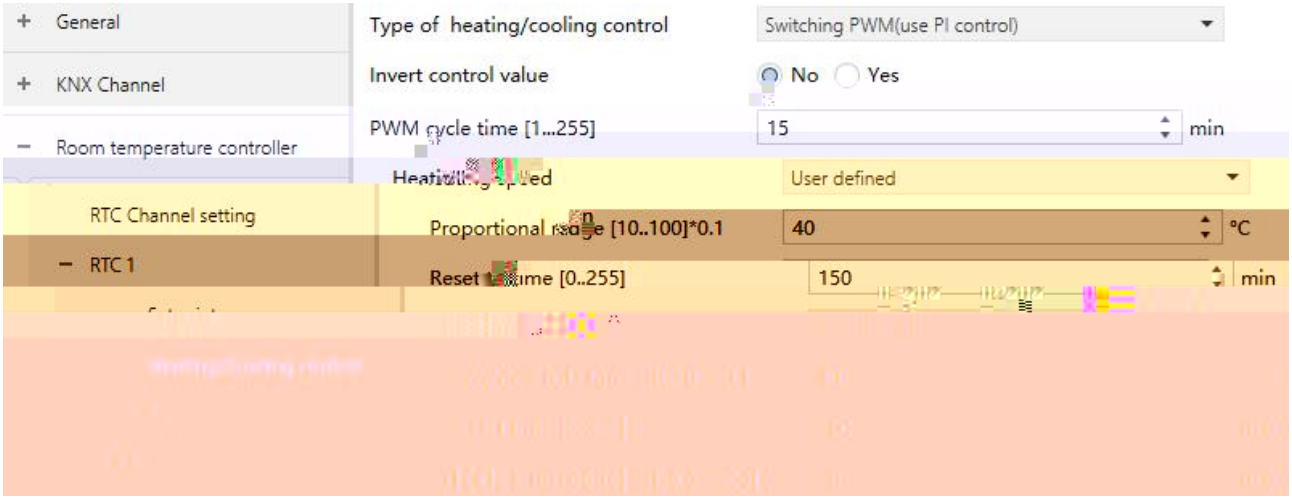


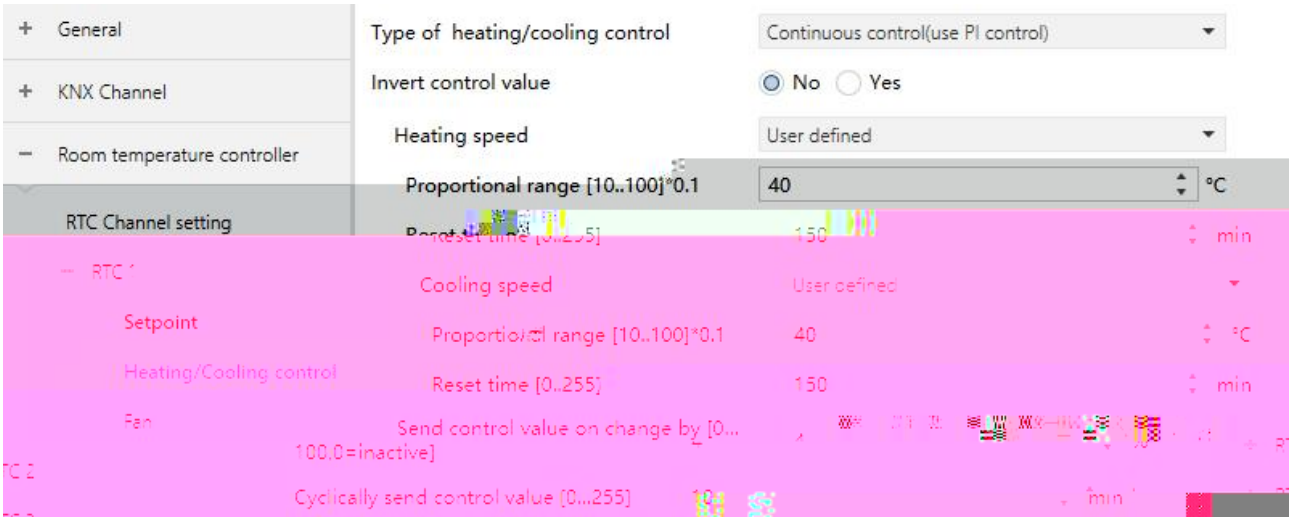




ETS ETS

5.4.1.2. “Heating/Cooling control”



"Type of heating/cooling control"

Switching on/off(use 2-point control)

Switching PWM(use PI control)

Continuous control(use PI control)

"Invert control value"

No

Yes

(2 point control)

"Lower Hysteresis [0...200]*0.1 °C"

"Upper Hysteresis [0...200]*0.1 °C"

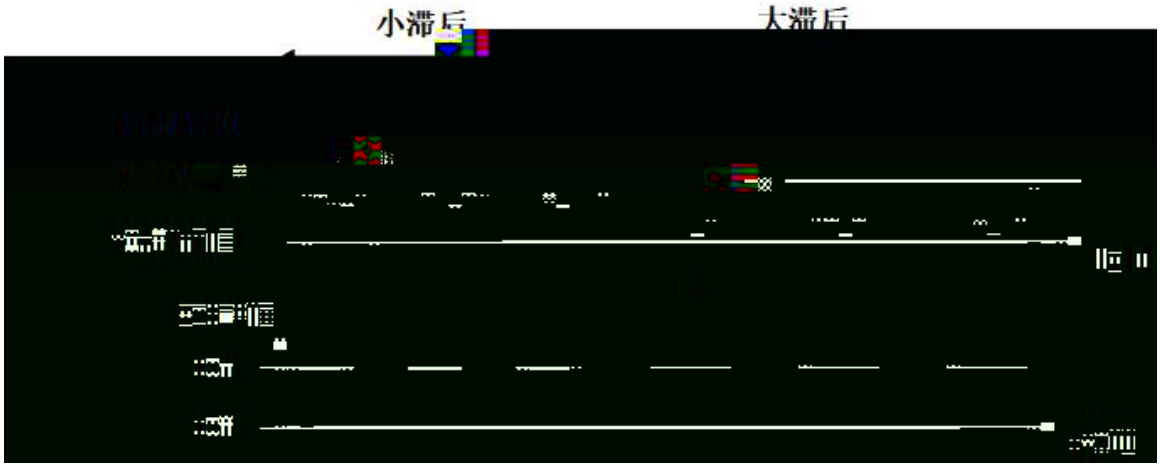
0..200

T > +

T < -

T < -

T > +




PI (PI control)

"Heating speed"

"Cooling speed"

Hot water heating (5K/150min)

Underfloor heating (5K/240 min)

Electrical heating (4K/100min)

Split unit (4K/90min)

Fan coil unit (4K/90min)

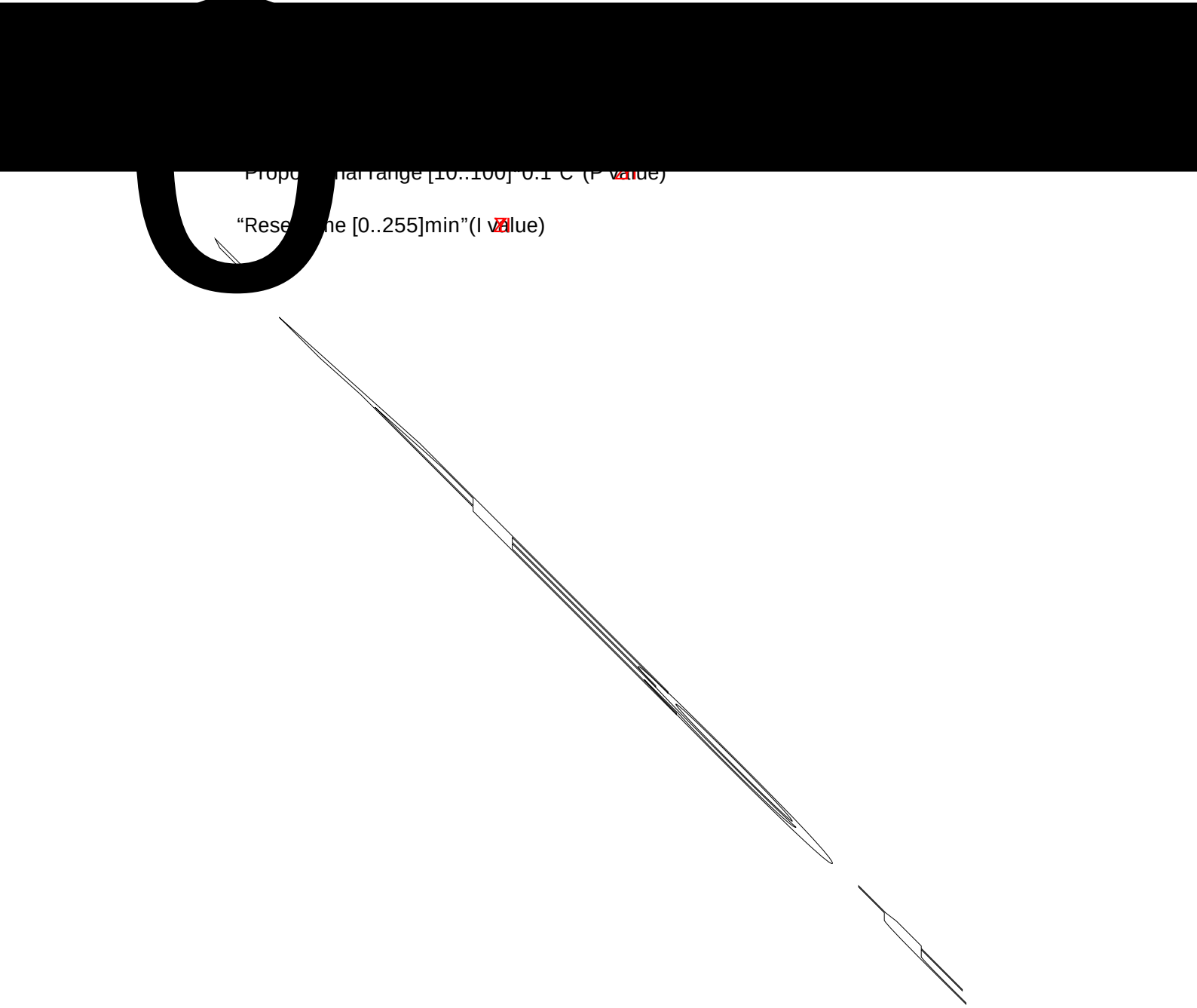
User defined

Cooling ceiling (5K/240min)

Split unit (4K/90min)

Fan coil unit(4K/90min)

User defined


Propo nal range [10..100] 0.1 C (P value)
“Rese he [0..255]min”(I value)

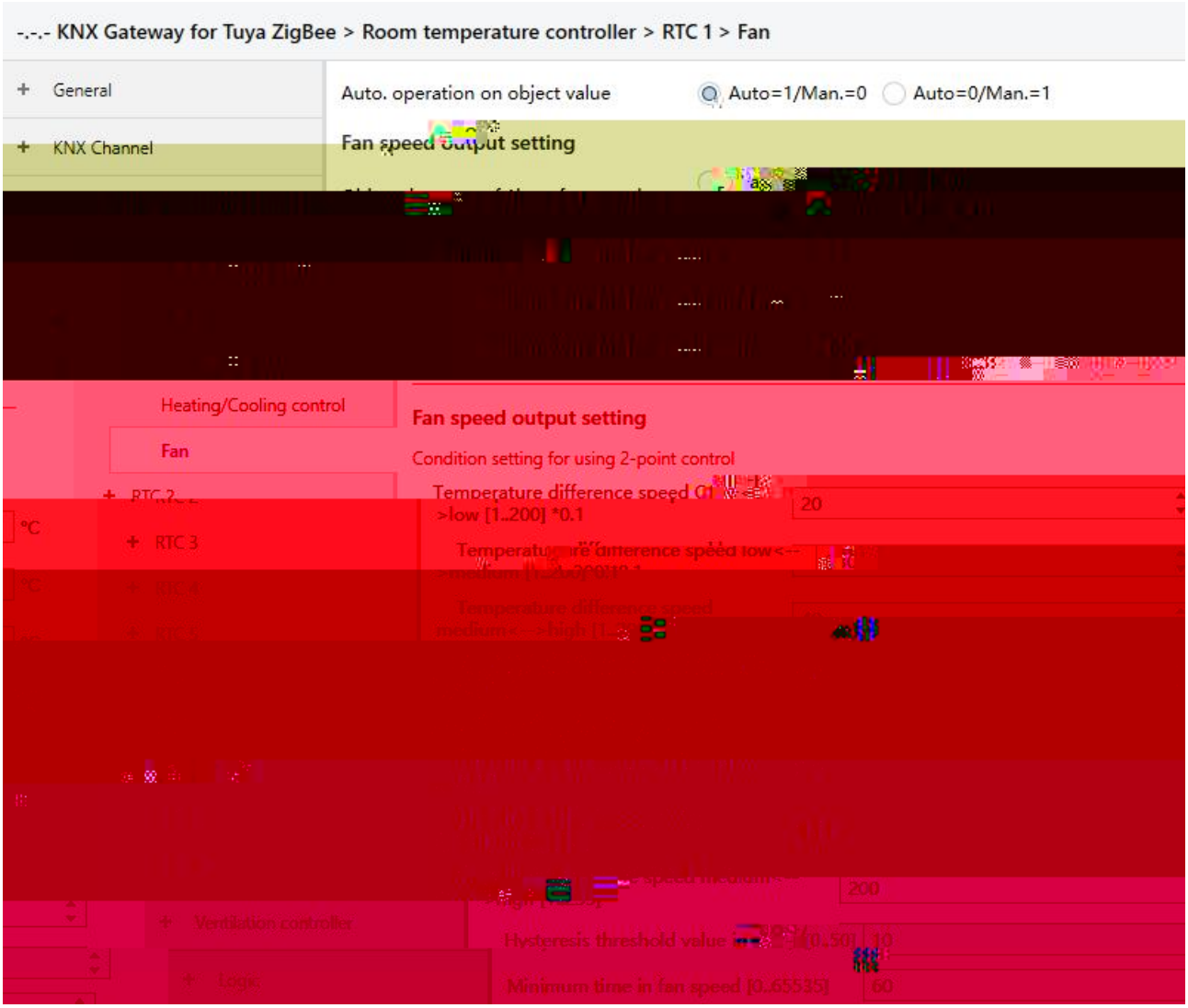
2

P I PI PWM

Cooling ceiling

| | |
|---|---|
| | |
| | |
| | |
| | |

5.4.1.3. “Fan”


-.-.- KNX Gateway for Tuya ZigBee > Room temperature controller > RTC 1 > Fan
General
KNX Channel
Auto. operation on object value
Auto=1/Man.=0
Auto=0/Man.=1
Heating/Cooling control
Fan
Fan speed output setting
Condition setting for using 2-point control
20
RTC 3
Ventilation controller
Logic
Hysteresis threshold value
Minimum time in fan speed [0..65535]
60

"Auto. operation on object value"

Auto=1/Man.=0

Auto=0/Man.=1

## Fan speed output setting

"Object datatype of 1byte fan speed"

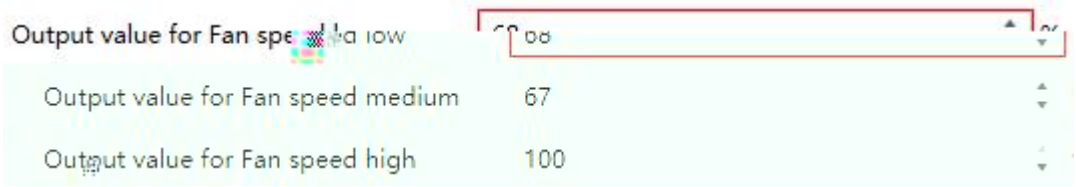
Fan stage (DPT 5.100)

Percentage (DPT 5.001)

"Output value for fan speed low/medium/high"

1..255 /1..100

< < ETS




## Fan speed control setting

Condition setting for using 2-point control

"Temperature difference speed OFF<-->low [1..200] *0.1 C"

1..200

□□□□ Ⓟ

"Temperature difference speed low<-->medium [1..200]*0.1 C"

1..200

□ □ □□□□ □□ Ⓟ 0‡

24ebenvbw

‡

OFF <->

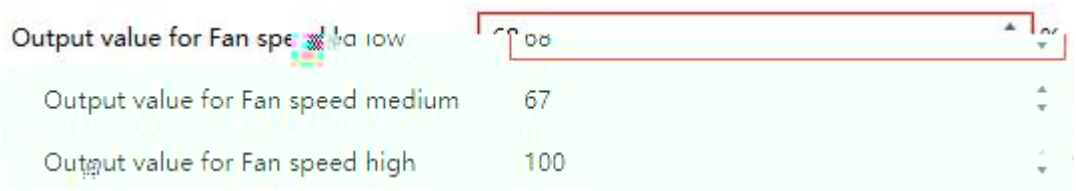
<->

Hyteress thesl vlu +/ .50]

## 5.5. “Ventilation controller”

### 5.5.1. “Control setting”






"Object value of fan speed off/low/medium/high"

Low=0,Medium=0,High=0

Low=1,Medium=0,High=0

Low=0,Medium=1,High=0

Low=1,Medium=1,High=0

Low=0,Medium=0,High=1

Low=1,Medium=0,High=1

Low=0,Medium=1,High=1

Low=1,Medium=1,High=1

"Delay between fan speed switch [0..100]*50ms"

0..100

Fan speed control setting

"Control value reference from"

PM2.5

CO2

VOC

"Object datatype of PM2.5/VOC"

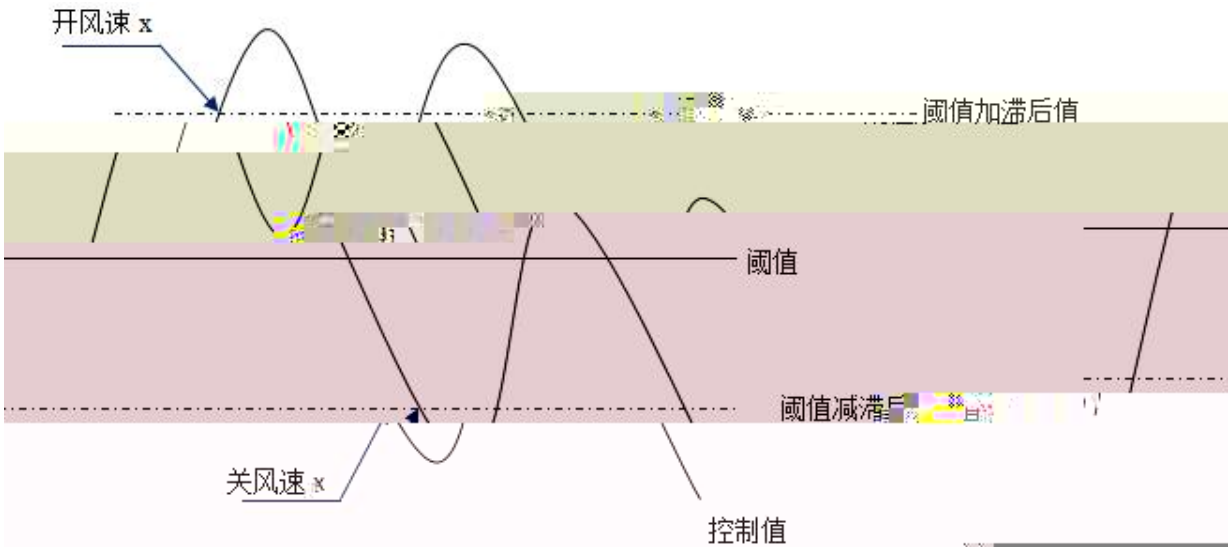
# FAQs

OFF <-> <-> <->

OFF <-> <-> <-> <->

"Hysteresis threshold value in +/- [10..30]/[100..400]"

10..30/100..400




1

2

1

PM2.5

OFF <-> 35

<-> 55

<-> 75

25

OFF

OFF 60 ≥ 25+35 60 55 75

50 <75-25 50 35 55

2

PM2.5

OFF <-> 20

<-> 40

<-> 70

10

OFF

OFF 30 ≥ 20+10

41 41 40 70

39 39 20 40

60 <70-10

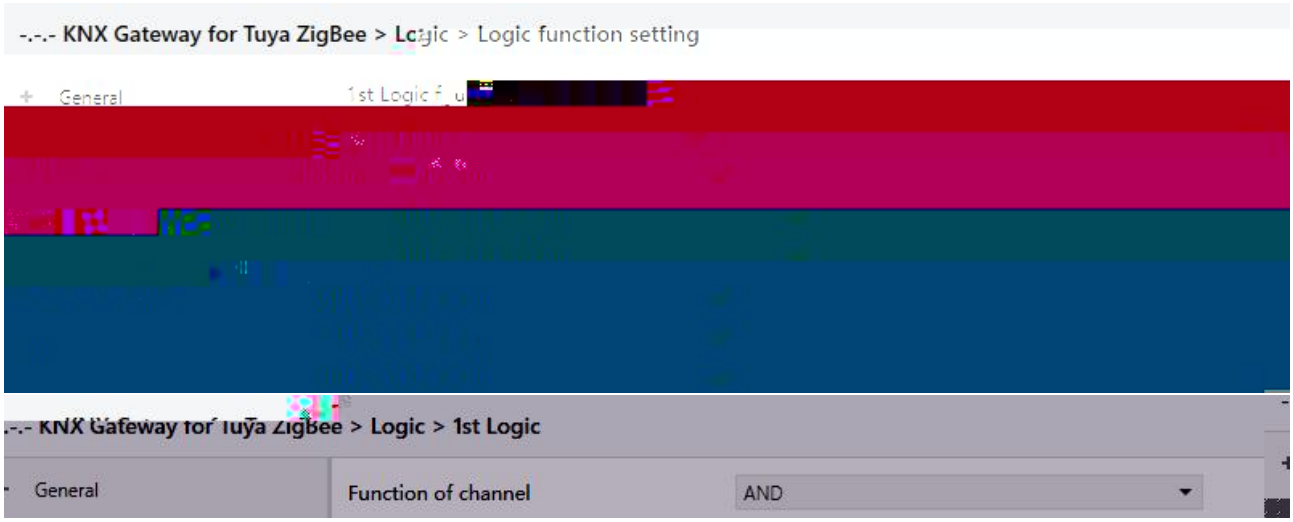
39 39 20 40

3 0

"Minimum time in fan speed [0..65535]s"

0..65535

## 5.6. “Logic”




“1st/2nd/3rd…Logic function”

“Function of channel”

AND

OR

XOR

Gate forwarding

Threshold comparator

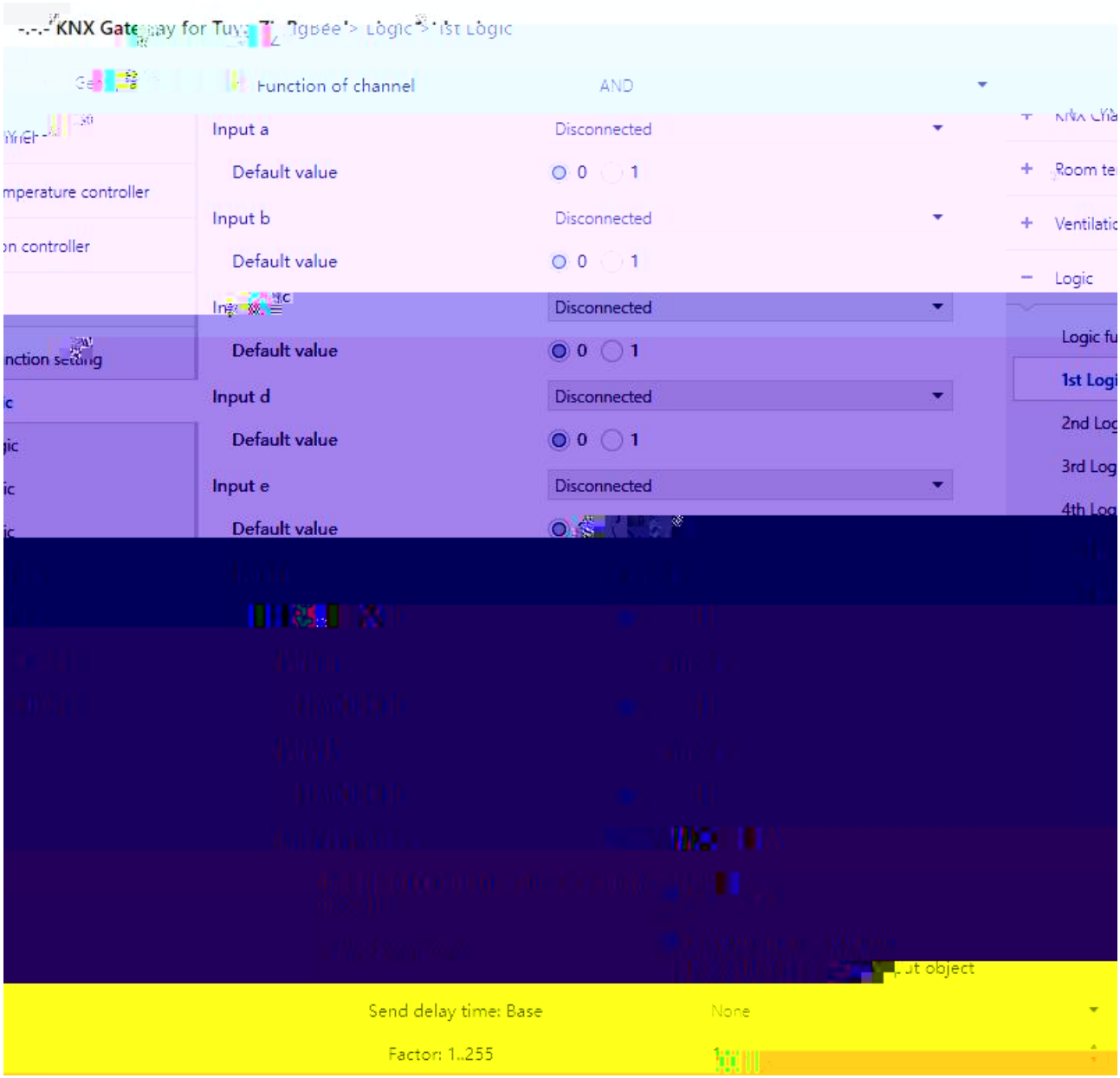
Format convert

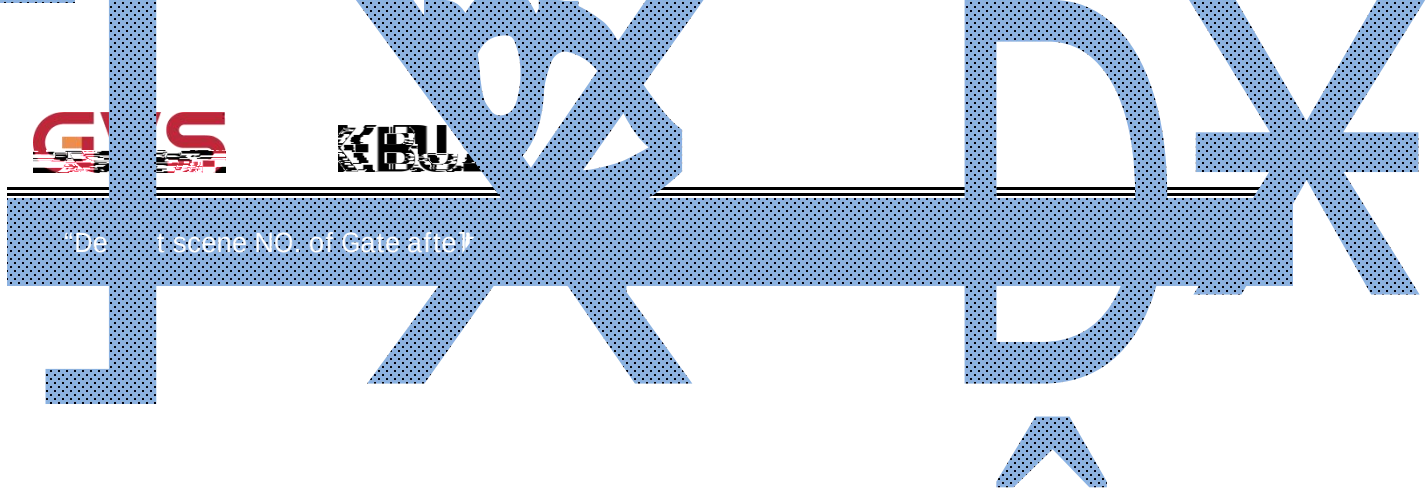
Gate function

Delay function

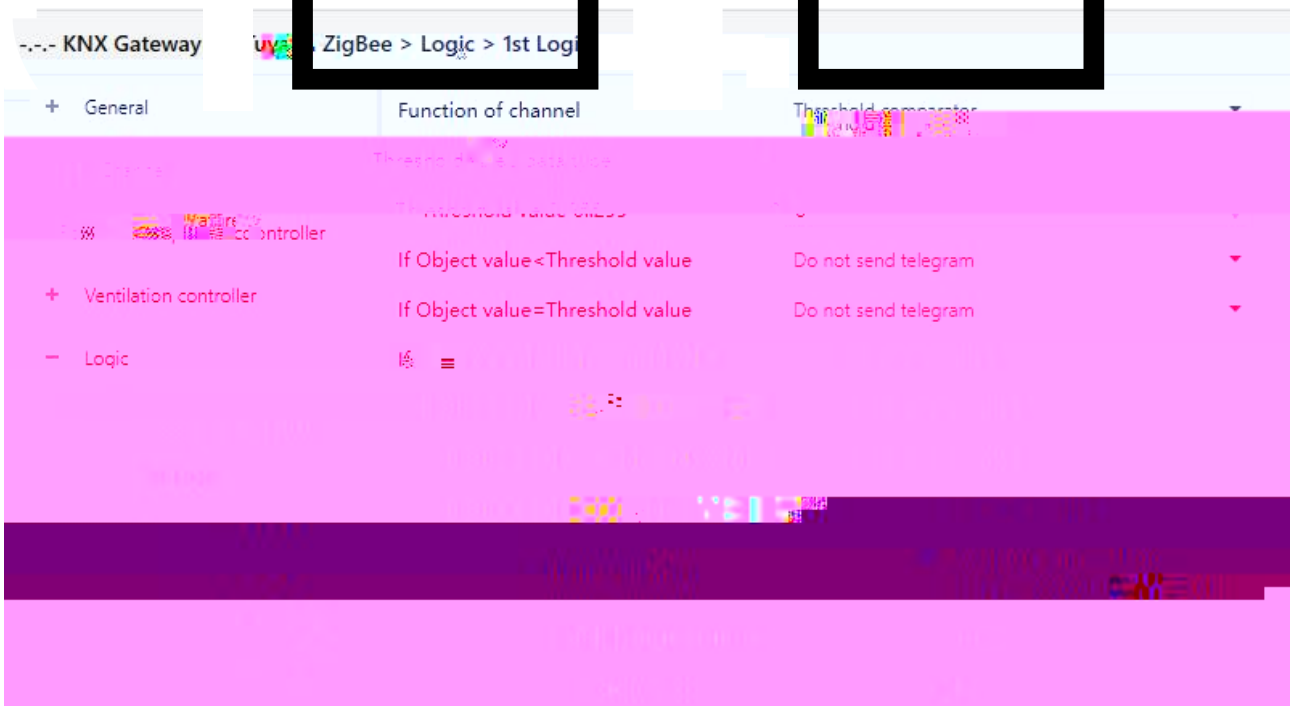
Staircase lighting

5.6.1. “AND/OR/XOR”




"De t scene NO. of Gate after"

5. “Th ol or




“Threshold value data type”

4bit

1byte

2byte

4byte

“Threshold value 0..255”

4bit 0..15/1byte 0..255/ 2byte 0..65535 /4byte 0..4294967295

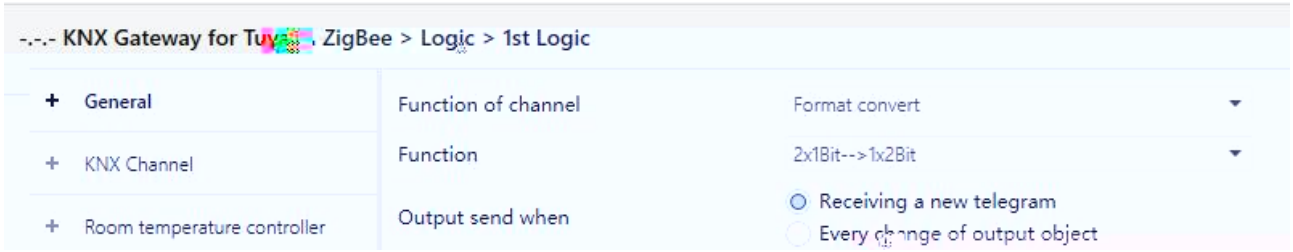
“If

Do not send telegram

Send value "0"

Send value "1"

5.6.4. “Format convert”




“Function”

2x1bit-->1x2bit

8x1bit-->1x1byte

1x1byte-->1x2byte

2x1byte-->1x2byte

2x2byte-->1x4byte

1x1byte-->8x1bit

1x2byte-->2x1byte

1x4byte-->2x2byte

1x3byte-->3x1byte

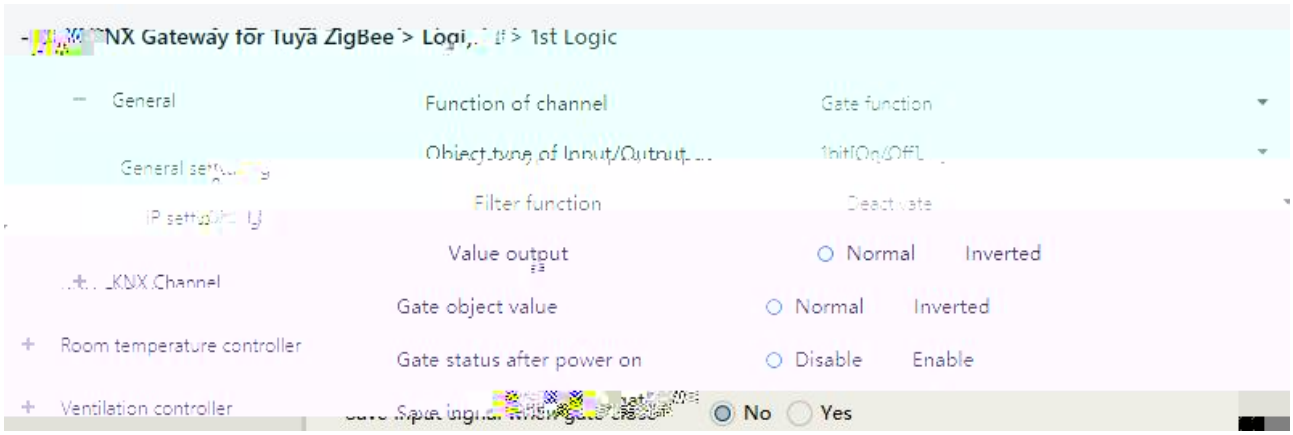
3x1byte-->1x3byte

“Output send when”

Receiving a new telegram

Every change of output object

5.6.5. “Gate function”




*Object type o

"Gate object value"

Normal

Inverted

"Gate status after power on"

Disable

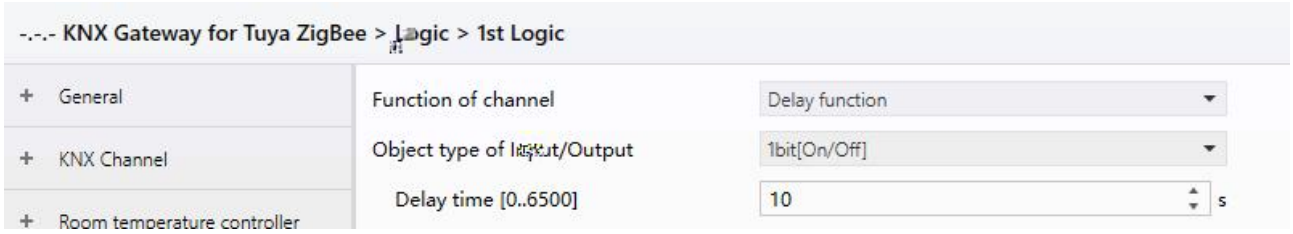
Enable

"Save input signal when gate close"

No

Yes

5.6.6. "Delay function"




"Object type of Input/Output"

1bit[On/Off]

1byte[0..100%]

1byte[0..255]

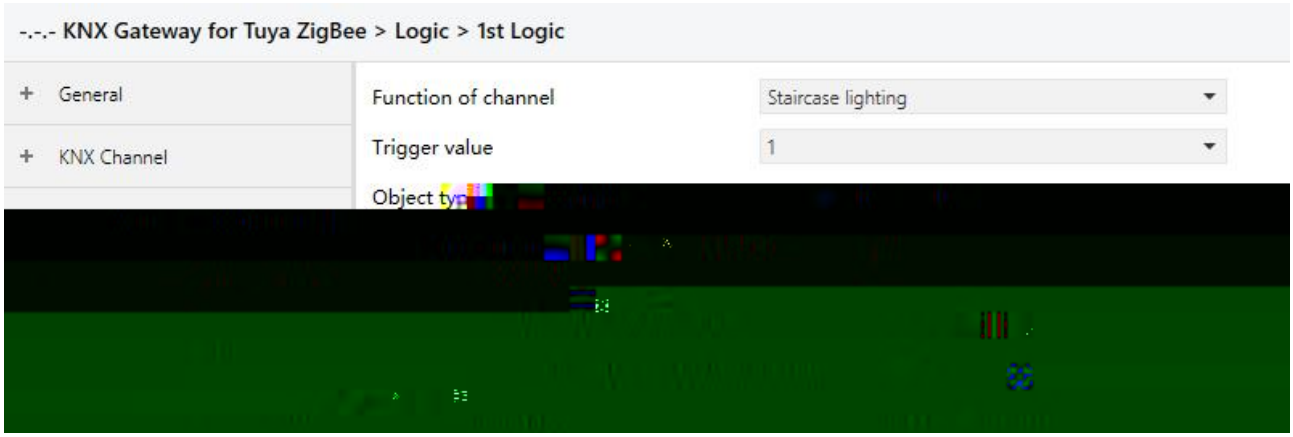
2byte[Float]

2byte[0..65535]

"Delay time [0..6500]s"

0..6500

5.6.7. “Staircase lighting”




“Trigger value”

0

1

0 or 1

“Object type of output”

1bit

1byte

“Duration time of staircase lighting[10..6500]s”

10..6500

“Send value 1 when trigger”

“Send value 2 after duration time”

OFF

ON

0..255

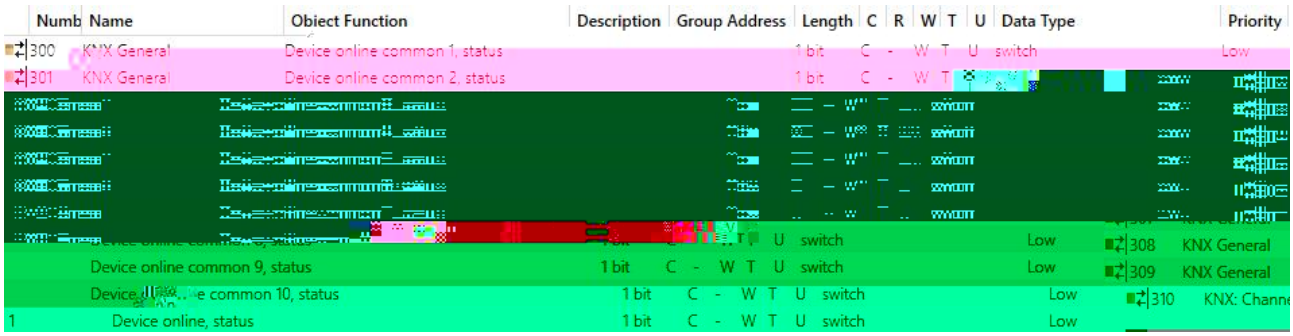
"Retriggering"

Disable

Enable

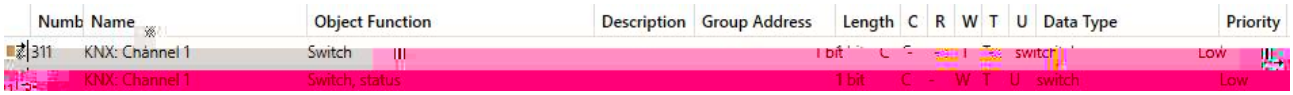
“C”

## 6.2. “KNX Channel”




| | | | | | | |
|---|---|---|---|---|---|---|
| 300/…/309 | Device online common x, status | KNX General | 1bit | C,W,T,U | 1.001 switch | |
| 310 | Device online, status | KNX: {{Channel 1}} | 1bit | C,W,T,U | 1.001 switch | |

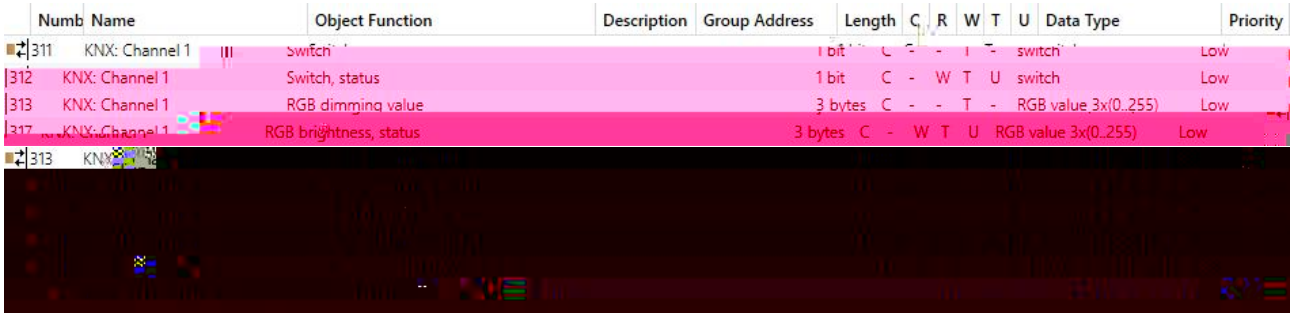
6.2.1.



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Switch | | | 1 bit | C | - | - | T | - | switch | Low |
| | KNX: Channel 1 | Switch, status | | | 1 bit | C | - | W | T | U | switch | Low |

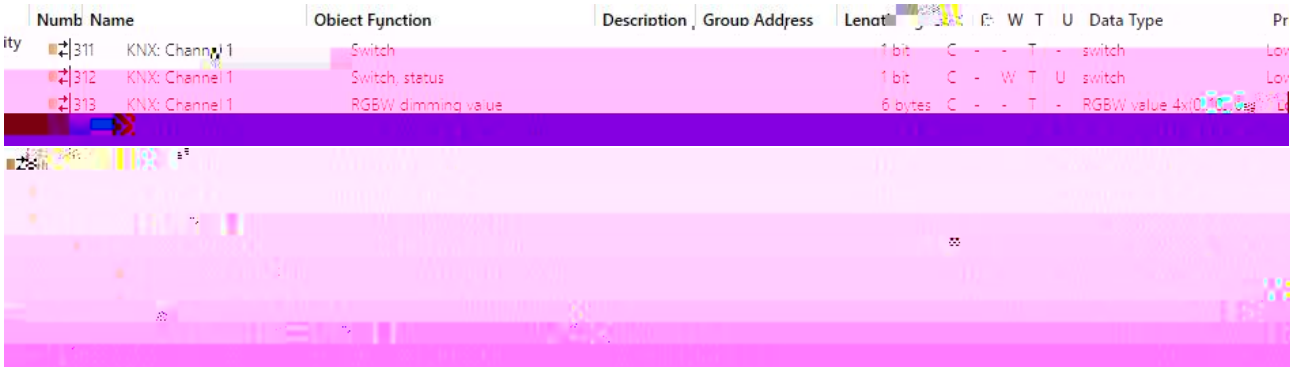


| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Switch | | | 1 bit | C | - | - | T | - | switch | Low |
| 312 | KNX: Channel 1 | Brightness dimming | | | 1 byte | C | - | - | T | - | percentage (0..100%) | Low |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Switch | | | 1 bit | C | - | - | T | - | switch | Low |
| 312 | KNX: Channel 1 | Switch, status | | | 1 bit | C | - | W | T | U | switch | Low |
| 313 | KNX: Channel 1 | RGB dimming value | | | 3 bytes | C | - | - | T | - | RGB value 3x(0..255) | Low |
| 317 | KNX: Channel 1 | RGB brightness, status | | | 3 bytes | C | - | W | T | U | RGB value 3x(0..255) | Low |





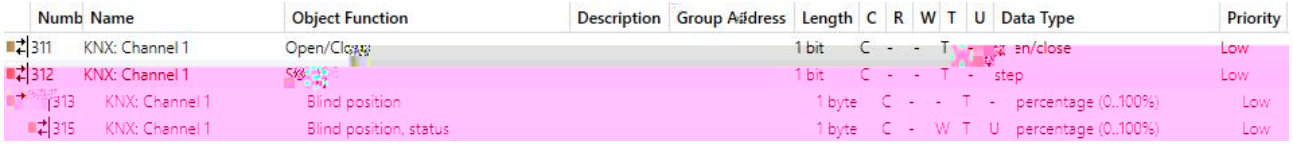
| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Switch | | | 1 bit | C | - | - | T | - | switch | Low |
| 312 | KNX: Channel 1 | Switch, status | | | 1 bit | C | - | W | T | U | switch | Low |
| 313 | KNX: Channel 1 | RGBW dimming value | | | 6 bytes | C | - | - | T | - | RGBW value 4x(0..255) | Low |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Switch | | | 1 bit | C | - | - | T | - | switch | Low |
| 312 | KNX: Channel 1 | Switch, status | | | 1 bit | C | - | W | T | U | switch | Low |
| 313 | KNX: Channel 1 | Color temperature value | | | 2 bytes | C | - | - | T | - | absolute colour temperature (K) | Low |
| 314 | KNX: Channel 1 | Brightness value | | | 1 byte | C | - | - | T | - | percentage (0..100%) | Low |
| 317 | KNX: Channel 1 | Color temperature, status | | | 2 bytes | C | - | W | T | U | absolute colour temperature (K) | Low |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Up/Down | | | 1 bit | C | - | - | T | - | up/down | Low |
| 312 | KNX: Channel 1 | Stop | | | 1 bit | C | - | - | T | - | step | Low |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Open/Close | | | 1 bit | C | - | - | T | - | open/close | Low |
| 312 | KNX: Channel 1 | Step | | | 1 bit | C | - | - | T | - | step | Low |
| 313 | KNX: Channel 1 | Blind position | | | 1 byte | C | - | - | T | - | percentage (0..100%) | Low |
| 315 | KNX: Channel 1 | Blind position, status | | | 1 byte | C | - | W | T | U | percentage (0..100%) | Low |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Up/Down | | | 1 bit | C | - | - | T | - | up/down | Low |
| 312 | KNX: Channel 1 | Stop | | | 1 bit | | | | | | | |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Up/Down | | | 1 bit | C | - | - | T | - | open/close | Low |
| 312 | KNX: Channel 1 | Stop/Slat adj. | | | 1 bit | | | | | | | |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Trigger scene No. | | | 1 byte | C | - | W | - | - | scene number | Low |

| | | | | | |
|---|---|---|---|---|---|
| 311 | Switch | KNX: {{Channel 1}} | 1bit | C,T | 1.001 switch |
| 312 | Switch, status | KNX: {{Channel 1}} | 1bit | C,W,T,U | 1.001 switch |
| | | | | | |
| 312 | Brightness dimming | KNX: {{Channel 1}} | 1byte | C,T | 5.001 percentage(0..100%) |
| 313 | Brightness, status | KNX: {{Channel 1}} | 1byte | C,W,T,U | 5.001 percentage(0..100%) |
| | | | | | |
| 313 | Red dimming value | KNX: {{Channel 1}} | 1byte | C,T | 5.001 percentage(0..100%) |
| 317 | Red brightness, status | KNX: {{Channel 1}} | 1byte | C,W,T,U | 5.001 percentage(0..100%) |

| | | | | | |
|---|---|---|---|---|---|
| 314 | Green dimming value | KNX: {{Channel 1}} | 1byte | C,T | 5.001 percentage(0..100%) |
| 318 | Green brightness, status | KNX: | | | |

| | | |
|---|---|---|
| | | |
| | | |
| | | |

| | | | | | |
|---|---|---|---|---|---|
| 313 | RGBW dimming value | KNX: {{Channel 1}} | 6byte | C,T | 251.600 DPT_Colour_RGBW |
| 317 | RGBW brightness, status | KNX: {{Channel 1}} | 6byte | C,W,T,U | 251.600 DPT_Colour_RGBW |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |

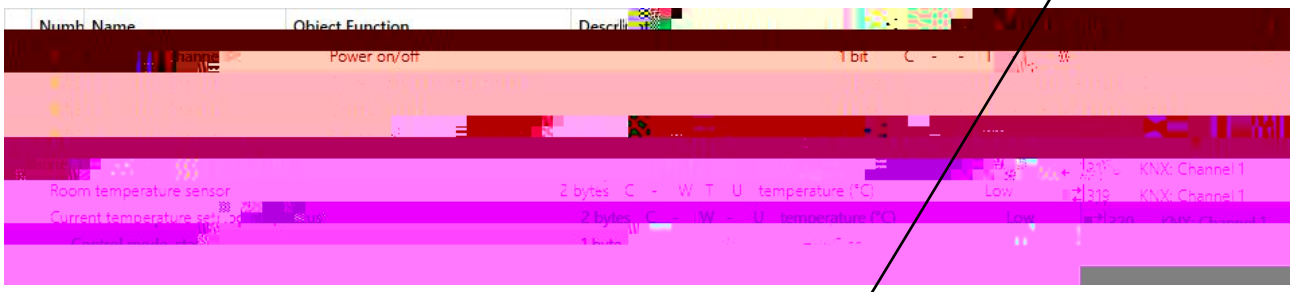
| | | | | | |
|---|---|---|---|---|---|
| 311 | Open/Close | KNX: {{Channel 1}} | 1bit | C,T | 1.009 open/close |
| 312 | Stop | KNX: {{Channel 1}} | 1bit | C,T | 1.007 step |
| 313 | Blind position | KNX: {{Channel 1}} | 1byte | C,T | 5.001 percentage(0..100%) |
| 315 | Blind position, status | KNX: {{Channel 1}} | 1byte | C,W,T,U | 5.001 percentage(0..100%) |

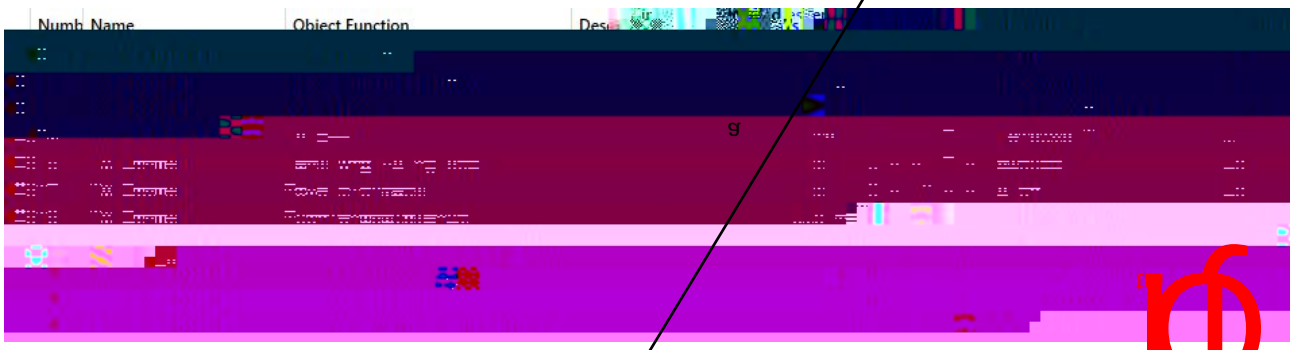
| | | | | | |
|---|---|---|---|---|---|
| 311 | Up/Down | KNX: {{Channel 1}} | 1bit | C,T | 1.008 up/down |
| 312 | Stop | KNX: {{Channel 1}} | 1bit | C,T | 1.007 step |
| 313 | Blind position | KNX: {{Channel 1}} | 1byte | C,T | 5.001 percentage(0..100%) |
| 315 | Blind position, status | KNX: {{Channel 1}} | 1byte | C,W,T,U | 5.001 percentage(0..100%) |

| | | | | | |
|---|---|---|---|---|---|
| 311 | Up/Down | KNX: {{Channel 1}} | 1bit | C,T | 1.008 up/down |
| 312 | Stop/Slat | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 316 | Slat position, status | KNX: {{Channel 1}} | 1byte | C,W,T,U | 5.001<br>percentage(0..100%) |
| | | | | | |
| | | | | | |
| 311 | Send 1bit value<br>Send 2bit value<br>Send 1byte percent value<br>Send 1byte unsigned value<br>Recall scene No.<br>Send 2byte float value<br>Send 2byte unsigned value | KNX: {{Channel 1}} | 1bit on/off<br>2bit 0..3<br>1byte 0..100%<br>1byte 0..255<br>1byte 1..64<br>2byte -671088.64..670760.96<br>2byte 0..65535 | C,T | 1.001 switch<br>2.001 switch control<br>5.001 percentage(0..100%)<br>5.010 counter pulses<br>17.001 scene number<br>9.x float value<br>7.001 pulses |
| | | | | | |
| 311 | Trigger scene No. | KNX: {{Channel 1}} | 2byte | C,W | 17.001 scene number |
| | | | | | |

6.2.2.




| | | | | | |
|---|---|---|---|---|---|
| 311 | Power on/off | KNX: {{Channel 1}} | 1bit | C,T | 1.001 switch |
| 312 | Current setpoint adjustment | KNX: {{Channel 1}} | 2byte | C,T | 9.001 temperature |
| 313 | Control mode | KNX: {{Channel 1}} | 1byte | C,T | 20.105 HVAC control mode |

| | | | | | |
|---|---|---|---|---|---|
| 315 | Vanes swing (1-swing,0-stop) | KNX: {{Channel 1}} | 1bit | C,T | 1.010 start/stop |

6.2.3.



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Power on/off | | | 1 bit | C | - | - | T | - | switch | Low |
| 312 | KNX: Channel 1 | Current setpoint adjust | | | 2 bytes | C | - | - | T | - | temperature (°C) | Low |
| 313 | KNX: Channel 1 | Heating/Cooling mode | | | 1 bit | C | - | - | T | - | cooling/heating | Low |
| 325 | KNX: Channel 1 | Power on/off, status | | | 1 bit | | | | | | | Low |
| 326 | KNX: Channel 1 | Room temperature sensor | | | 2 bytes | C | - | W | T | U | temperature (°C) | Low |
| 327 | KNX: Channel 1 | Current temperature setpoint, status | | | 2 bytes | C | - | W | - | U | temperature (°C) | Low |
| 328 | KNX: Channel 1 | Heating/Cooling mode, status | | | 1 bit | C | - | W | - | - | cooling/h | Low |

| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Power on/off | | | 1 bit | C | - | - | T | - | | Low |
| 312 | KNX: Channel 1 | Current setpoint adjustment | | | | | | | | | | |

| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Power on/off | | | 1 bit | C | - | - | T | - | switch | Low |
| 312 | KNX: Channel 1 | Current setpoint adjust | | | 2 bytes | C | - | - | T | - | temperature (°C) | Low |
| 313 | KNX: Channel 1 | Heating/Cooling mode | | | 1 bit | C | - | - | T | - | cooling/heating | Low |
| 314 | KNX: Channel 1 | Operation mode | | | 1 byte | C | - | - | T | - | HVAC mode | Low |
| 319 | KNX: Channel 1 | Fan speed | | | 1 byte | C | - | - | T | - | percentage (0..100%) | Low |
| 320 | KNX: Channel 1 | Fan speed low | | | 1 bit | | | | | | | |
| 337 | KNX: Channel 1 | Fan speed high, status | | | 1 bit | C | - | W | - | - | switch | Low |
| 339 | KNX: Channel 1 | Fan automatic operation, status | | | 1 bit | C | - | W | - | - | enable | Low |

| | | | | | |
|---|---|---|---|---|---|
| 311 | Power on/off | KNX: {{Channel 1}} | 1bit | C,T | 1.001 switch |
| | | | | | |
| 312 | Current setpoint adjustment | KNX: {{Channel 1}} | 2byte | C,T | 9.001 temperature |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 325 | Power on/off, status | KNX: {{Channel 1}} | 1bit | C,W | 1.001 switch |
| 326 | Room temperature sensor | KNX: {{Channel 1}} | 2byte | C,W,T,U | 9.001 temperature |
| 327 | Current temperature setpoint, status | KNX: {{Channel 1}} | 2byte | C,W,U | 9.001 temperature |
| 328 | Heating/Cooling mode, status | KNX: {{Channel 1}} | 1bit | C,W | 1.100 cooling/heating |
| 329 | Operation mode, status | KNX: {{Channel 1}} | 1byte | C,W | 20.102 HVAC mode |
| 334 | Fan speed, status | KNX: {{Channel 1}} | 1byte | C,W | 5.001 percentage<br>5.100 fan stage |
| 335 | Fan speed low, status | KNX: {{Channel 1}} | 1bit | C,W | 1.001 switch |
| 336 | Fan speed medium, status | KNX: {{Channel 1}} | 1bit | C,W | |

| | | | | | |
|---|---|---|---|---|---|
| 325 | Filter alarm, status | KNX: {{Channel 1}} | 1bit | C,W | 1.005 alarm |
| | | | | | |

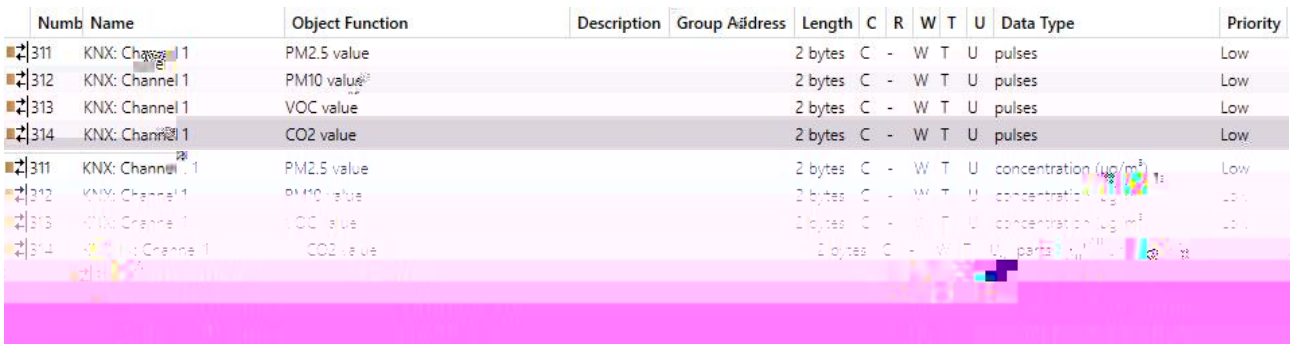
6.2.5.

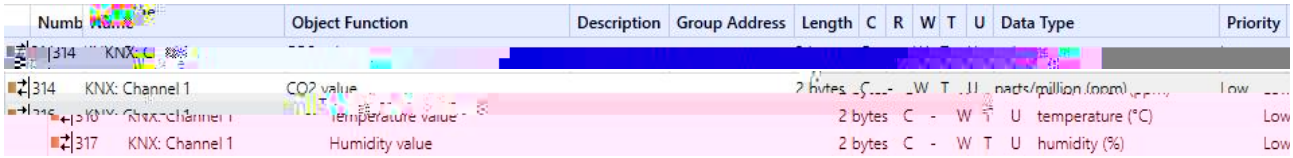


| | | | | | |
|---|---|---|---|---|---|
| 312 | Play=1/Pause=0 | KNX: {{Channel 1}} | 1bit | C,T | 1.010 start/stop |
| 313 | Next track=1/Previous track=0 | KNX: {{Channel 1}} | 1bit | C,T | 1.007 step |
| 314 | Volume+=1/Volume-=0 | KNX: {{Channel 1}} | 1bit | C,T | 1.007 step |
| 315 | Absolute volume | KNX: {{Channel 1}} | 1byte | C,T | 5.001 percentage<br>5.004 percentage |
| 316 | Mute | KNX: {{Channel 1}} | 1bit | C,T | 1.003 enable |
| 317 | Play mode | KNX: {{Channel 1}} | 1byte | C,T | 5.010 counter pulses |
| 318 | Power on/off, status | KNX: {{Channel 1}} | 1bit | C,W | 1.001 switch |
| 319 | Play=1/Pause=0, status | KNX: {{Channel 1}} | 1bit | C,W<br>C,W,T,U | 1.010 start/stop |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| 320 | Absolute volume, status | KNX: {{Channel 1}} | 1byte | C,W,T,U | 5.001 percentage<br>5.004 percentage |
| | | | | | |
| 321 | Mute, status | KNX: {{Channel 1}} | 1bit | C,W,T,U | 1.003 enable |
| | | | | | |
| 322 | Play mode, status | KNX: {{Channel 1}} | 1byte | C,W<br>C,W,T,U | 5.010 counter pulses |
| | | | | | |

6.2.6.

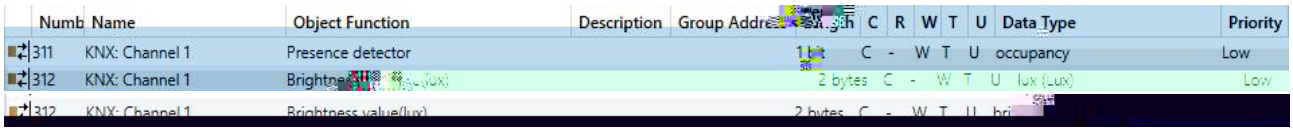







| Numb | Name | Object Function | Description | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 313 | KNX: Channel 1 | VOC value | | 2 bytes | C | - | W | T | U | concentration (µg/m³) | Low |
| 316 | KNX: Channel 1 | Temperature value | | 2 bytes | C | - | W | T | U | temperature (°C) | Low |
| 317 | KNX: Channel 1 | Humidity value | | 2 bytes | C | - | W | T | U | humidity (%) | Low |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Presence detector | | | 1 bit | C | - | W | T | U | occupancy | Low |
| 312 | KNX: Channel 1 | Brightness value (lux) | | | 2 bytes | C | - | W | T | U | lux (Lux) | Low |
| 312 | KNX: Channel 1 | Brightness value(lux) | | | 2 bytes | C | - | W | T | U | bri | |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Pr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Motion detector | | | 1 bit | C | - | W | T | U | occupancy | Low |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 312 | KNX: Channel 1 | Brightness value(lux) | | | 2 bytes | C | - | W | T | U | bri | |



| Numb | Name | Object Function | Description |
|---|---|---|---|



| | | | | | |
|---|---|---|---|---|---|
| 316 | AQI value | KNX: {{Channel 1}} | 2byte | C,W,T,U | 7 |

6.2.7. /

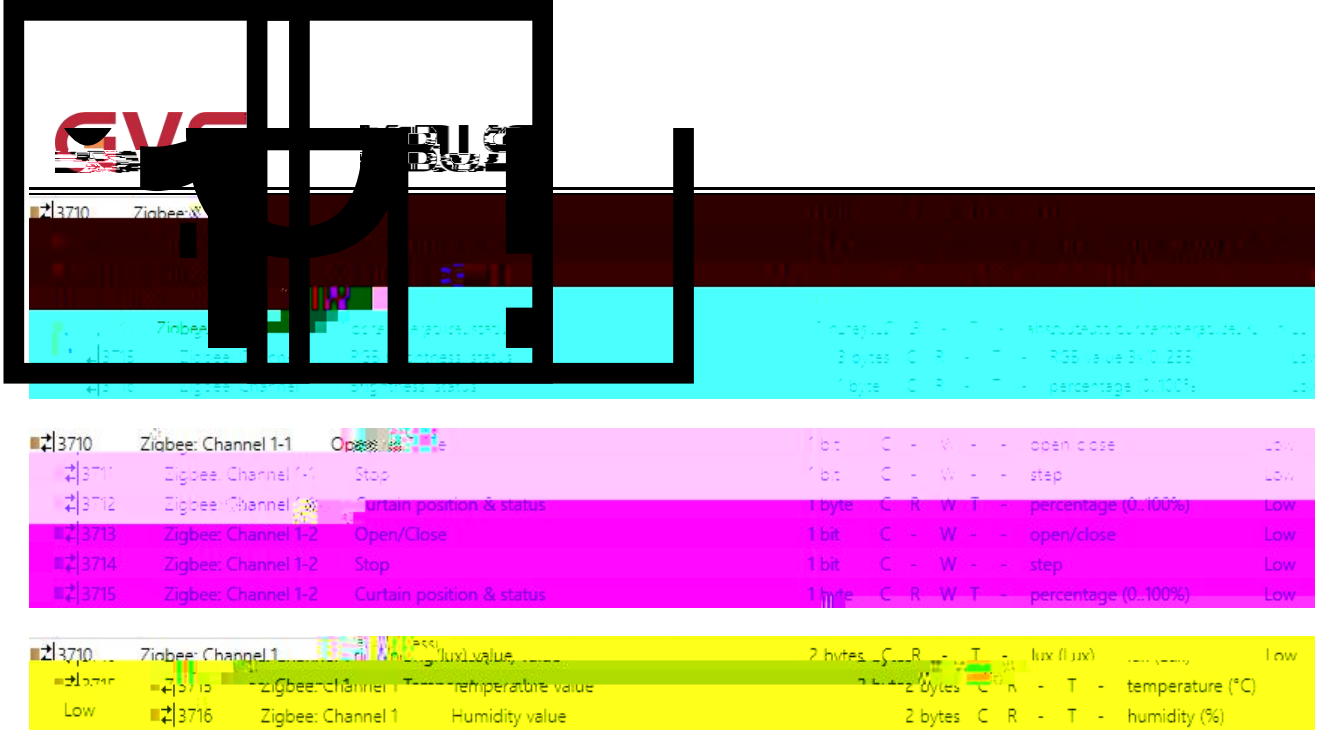
| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Current value | | | 4 bytes | C | - | W | T | U | electric current (A) | Low |
| 313 | KNX: Channel 1 | Power value | | | 4 bytes | C | - | W | T | U | power (W) | Low |

| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 311 | KNX: Channel 1 | Current value | | | 2 bytes | C | - | W | T | U | current (mA) | Low |
| 312 | KNX: Channel 1 | Voltage value | | | 2 bytes | C | - | W | T | U | voltage (mV) | Low |
| 313 | KNX: Channel 1 | Power value | | | 2 bytes | C | - | W | T | U | power (kW) | Low |
| 314 | KNX: Channel 1 | Energy value | | | 4 bytes | C | - | W | T | U | active energy (Wh) | Low |
| 311 | KNX: Channel 1 | Current value | | | 4 bytes | C | - | W | T | U | electric current (A) | Low |
| 312 | KNX: Channel 1 | Voltage value | | | 4 bytes | C | - | W | T | U | electric potential (V) | Low |
| 313 | KNX: Channel 1 | Power value | | | 4 bytes | C | - | W | T | U | power (W) | Low |
| | KNX: Channel 1 | Energy value | | | 4 bytes | C | - | W | T | U | active energy (kWh) | Low |

| | | | | | |
|---|---|---|---|---|---|
| 311 | Current value | KNX: {{Channel 1}} | 2byte<br>4byte | C,W,T,U | 7.012 current(mA)<br>9.021 current(mA)<br>14.019 electric current(A) |

## 6.3. “Zigbee Channel”






| | | | | | |
|---|---|---|---|---|---|
| 3712 | VOC value | Zigbee: {{Channel 1}} | 2byte | C,R,T | 7.001 pulse<br>9.030 concentration(ug/m3) |
| | | | | | |
| 3713 | CO2 value | Zigbee: {{Channel 1}} | 2byte | C,R,T | 7.001 pulse<br>9.008 parts/million(ppm) |
| | | | | | |
| 3714 | Formaldehyde value | Zigbee: {{Channel 1}} | 2byte | C,R,T | 7.001 pulse<br>9.030 concentration(ug/m3) |

| | | | | | |
|---|---|---|---|---|---|
| 3715 | Temperature value | Zigbee: {{Channel 1}} | 2byte | C,R,T | 9.001 temperature |

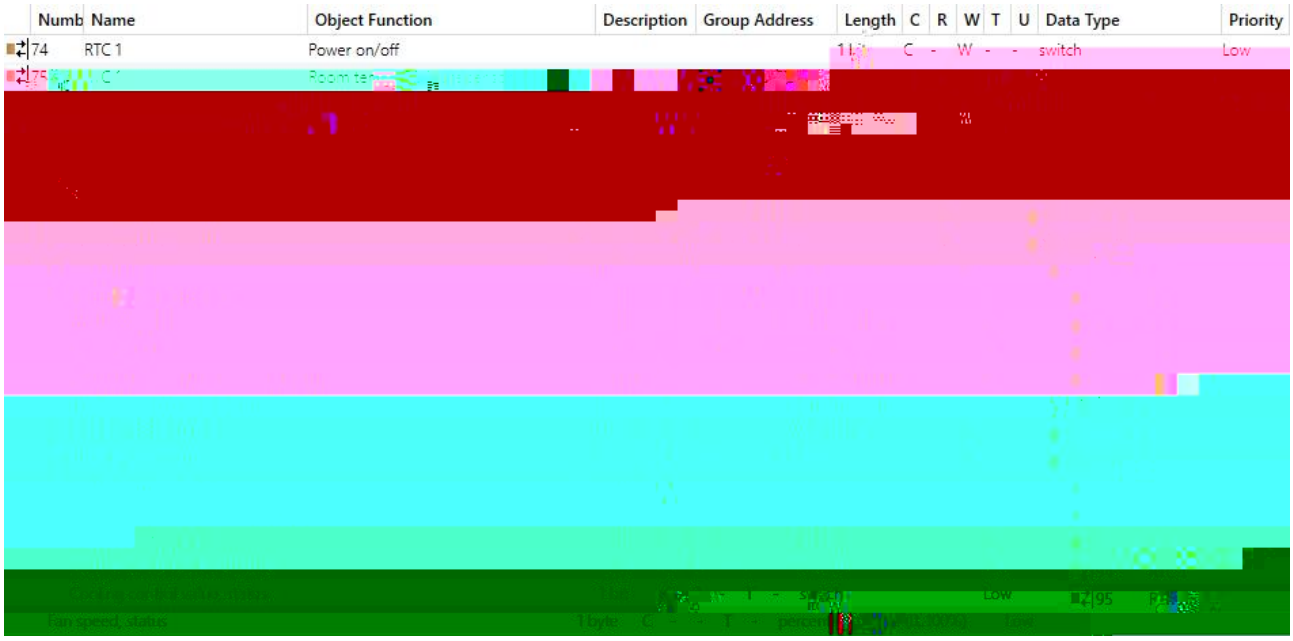
| | | | | | |
|---|---|---|---|---|---|
| 3710 | Brightness(lux) value | Zigbee: {{Channel 1}} | 2byte | C,R,T | 7.013 brightness(lux)<br>9.004 lux(lux) |
| 3710 | Gas concentration value | Zigbee: {{Channel 1}} | 2byte | C,R,T | 7.001 pulse<br>9.008 parts/million(ppm)<br>9.030 concentration(ug/m3) |
| 3710 | Binary value | Zigbee: {{Channel 1}} | 1bit | C,R,T | 1.001 switch<br>1.002 boolean |
| 3710 | Alarm detect | Zigbee: {{Channel 1}} | | | 1.005 alarm |
| 3710 | Presence detect | Zigbee: {{Channel 1}} | | | 1.018 occupancy |
| 3710 | Window/door detect | Zigbee: {{Channel 1}} | | | 1.019 window/door |

| | |
|---|---|
| 3710/../<br>3712 | Q n |

| | | |
|---|---|---|
| | | |
| | | |
| | | |

| | | | | | |
|---|---|---|---|---|---|
| 3711 | Color temperature value | Zigbee: {{Channel 1}} | 2byte | C,W | 7.600 absolute color temperature |
| 3714 | Color temperature, status | Zigbee: {{Channel 1}} | 2byte | C,R,T | 7.600 absolute color temperature |

## 6.4.“Room temperature controller”




74 Power on, V R

| | | | | | |
|---|---|---|---|---|---|
| 78 | Operation mode | RTC 1 | 1byte | C,W | 20.102 HVAC mode |
| 79 | Comfort mode | RTC 1 | 1bit | C,W | 1.003 enable |
| 80 | Economy mode | RTC 1 | 1bit | C,W | 1.003 enable |
| 81 | Frost/Heat protection mode | RTC 1 | 1bit | C,W | 1.003 enable |
| 82 | Standby mode | RTC 1 | 1bit | C,W | 1.003 enable |
| 83 | Fan automatic operation | RTC 1 | 1bit | C,W | 1.003 enable |
| 84 | Window contact | RTC 1 | 1bit | C,W,U | 1.019 Window/door |
| 85 | Presence detector | RTC 1 | 1bit | C,W,U | 1.018 occupancy |

| | | | | | |
|---|---|---|---|---|---|
| 94 | Cooling control value, status | RTC 1 | 1bit<br>1byte | C,R,T | 1.001 switch<br>5.001 percentage |
| | | | | | |
| 94 | Fan speed, status | RTC 1 | 1byte | C,T | 5.001 percentage<br>5.100 fan stage |
| | | | | | |

## 6.5.“Ventilation controller”

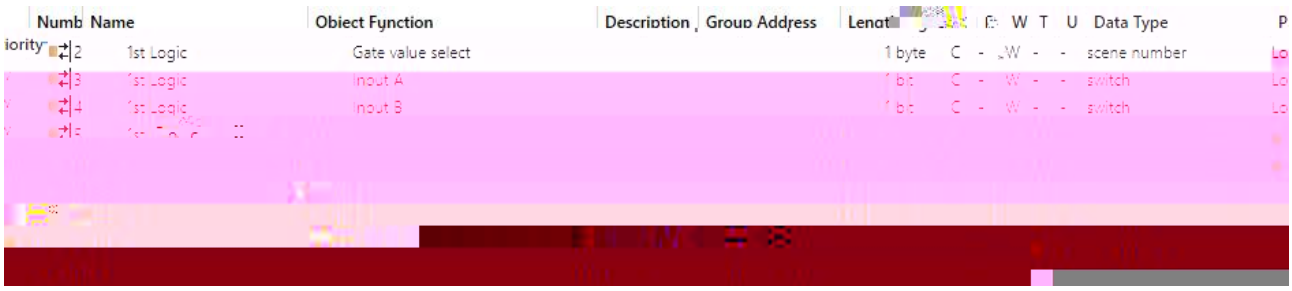


| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 294 | Ventilation controller | Fan automatic operation | | | 1 bit | C | - | W | - | - | enable | Low |
| 295 | Ventilation controller | PM 2.5 value | | | 2 bytes | C | - | W | T | U | pulses | Low |
| 296 | Ventilation controller | Fan speed, status | | | 1 byte | C | - | - | T | - | percentage (0..100%) | Low |
| 297 | Ventilation controller | Fan speed low, status | | | 1 bit | C | - | - | T | - | switch | Low |
| 29 | Ventilation controller | Fan spee | | | | | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 294 | Fan automatic operation | Ventilation controller | 1bit | C,W | 1.003 enable |
| 295 | PM 2.5 value<br>VOC value<br>CO2 value | Ventilation controller | 2byte | C,W,T,U | 7.001 pulse<br>9.030 concentration(ug/m3)<br>9.008 parts/million(ppm) |

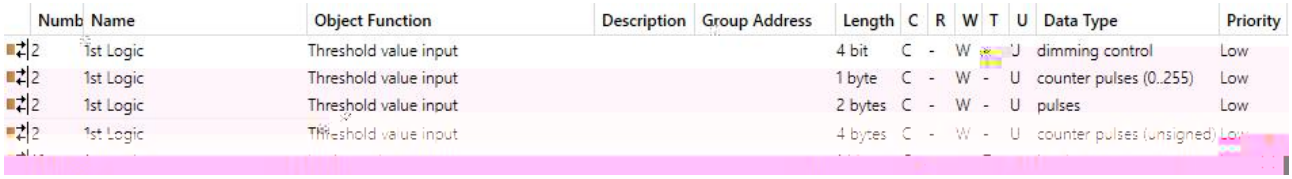
| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| 2/... | Input x | 1st /.../8th Logic | 1bit | C,W,T,U | 1.002 boolean |
| | | | | | |
| 10 | Logic result | 1st /.../8th Logic | 1bit | C,T | 1.002 boolean |
| | | | | | |

### 6.6.2. “Gate forwarding”




| | | | | | |
|---|---|---|---|---|---|
| 2 | Gate value select | 1st /.../8th Logic | 1byte | C,W | 17.001 scene number |
| 3/.../6 | Input x | 1st /.../8th Logic | 1bit<br>4bit<br>1byte | C,W | 1.001 switch<br>3.007 dimming control<br>5.010 counter pulses (0-255) |
| 7/../1<br>0 | Output x | 1st /.../8th Logic | 1bit | C,T | 1.001 switch |

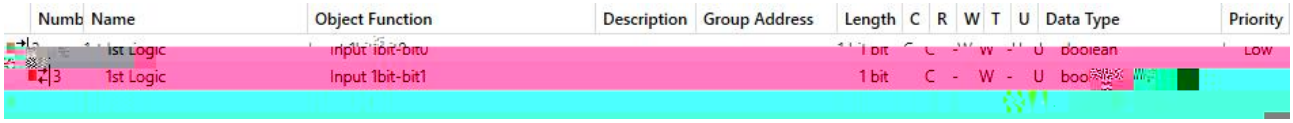
### 6.6.3. “Threshold comparator”



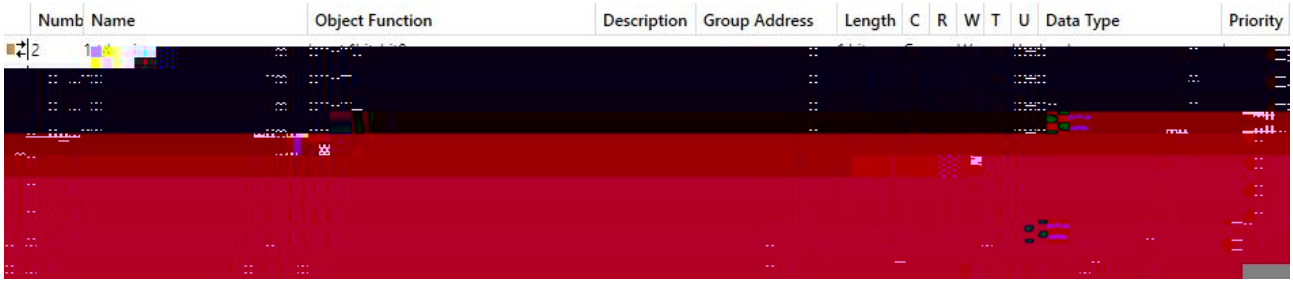
| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1st Logic | Threshold value input | | | 4 bit | C | - | W | - | U | dimming control | Low |
| 2 | 1st Logic | Threshold value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

| | | | | | |
|---|---|---|---|---|---|
| 2 | Threshold value input | 1st /.../8th Logic | 4bit<br>1byte<br>2byte<br>4byte | C,W, U | 3.007 dimming control<br>5.010 counter<br>pulses(0..255)<br>7.001 pulses<br>12.001 counter pulses |
| | | | | | |
| 10 | Logic result | 1st /.../8th Logic | 1bit | C,T | 1.002 boolean |
| | | | | | |

### 6.6.4. “Format convert”



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st Logic | Input 1bit-bit0 | | | 1 bit | C | - | W | - | U | boolean | Low |
| 3 | 1st Logic | Input 1bit-bit1 | | | 1 bit | C | - | W | - | U | boo | |



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | | | | | | | | | | | |

| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1st Logic | Input 1byte | | | 1 byte | C | - | W | - | U | counter pulses (0..255) | Low |
| 10 | 1st Logic | Output 2byte | | | 2 bytes | C | - | - | T | - | pulses | Low |

| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1st Logic | Input 1byte-low | | | 1 byte | C | - | W | - | U | counter pulses (0..255) | Low |
| 3 | 1st Logic | Input 1byte-high | | | 1 byte | C | - | W | - | U | pulses (0..255) | Low |
| 10 | 1st Logic | Output 2byte | | | 2 bytes | C | - | - | T | - | pulses | Low |

| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1st Logic | Input 2byte-low | | | 2 bytes | C | - | W | - | U | pulses | Low |
| 1 | 1st Logic | Input 2byte-high | | | 2 bytes | C | - | W | - | U | pulses | Low |
| | | Output 4byte | | | 4 bytes | C | - | - | T | - | counter pulses unsigned | Low |

| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1st Logic | Input 1byte | | | 1 byte | C | - | W | - | U | counter pulses (0..255) | Low |
| 3 | 1st Logic | Output 1bit-bit0 | | | 1 bit | C | - | - | T | - | boolean | Low |
| 4 | 1st Logic | Output 1bit-bit1 | | | 1 bit | C | - | - | T | - | boolean | Low |
| 5 | 1st Logic | Output 1bit-bit2 | | | 1 bit | C | - | - | T | - | boolean | Low |
| 6 | 1st Logic | Output 1bit-bit3 | | | 1 bit | C | - | - | T | - | boolean | Low |
| 7 | 1st Logic | Output 1bit-bit4 | | | 1 bit | C | - | - | T | - | boolean | Low |
| 8 | 1st Logic | Output 1bit-bit5 | | | 1 bit | C | - | - | T | - | boolean | Low |
| 9 | 1st Logic | Output 1bit-bit6 | | | 1 bit | C | - | - | T | - | boolean | Low |
| 10 | 1st Logic | Output 1bit-bit7 | | | 1 bit | C | - | - | T | - | boolean | Low |

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

| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1st Logic | Input 4byte | | | 4 bytes | C | - | W | - | U | RGB value 4x(0..255) | Low |
| 8 | 1st Logic | Output 1byte-low | | | 1 byte | C | - | - | T | - | counter pulses (0..255) | Low |
| 9 | 1st Logic | Output 1byte-middle | | | 1 byte | C | - | - | T | - | counter pulses (0..255) | Low |
| 10 | 1st Logic | Output 1byte-high | | | 1 byte | C | - | - | T | - | counter pulses (0..255) | Low |

| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1st Logic | Input 3byte | | | 3 bytes | C | - | W | - | U | RGB value 3x(0..255) | Low |
| 8 | 1st Logic | Output 1byte-low | | | 1 byte | C | - | - | T | - | counter pulses (0..255) | Low |
| 9 | 1st Logic | Output 1byte-middle | | | 1 byte | C | - | - | T | - | counter pulses (0..255) | Low |
| 10 | 1st Logic | Output 1byte-high | | | 1 byte | C | - | - | T | - | counter pulses (0..255) | Low |

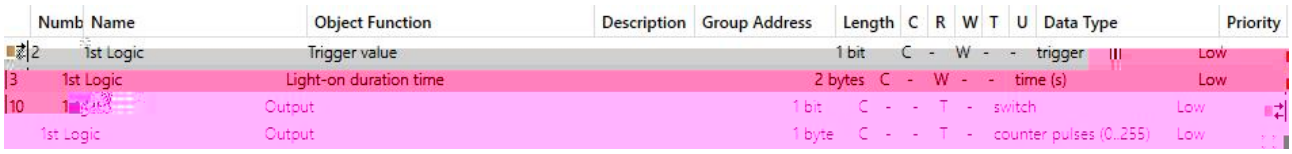
6.6.5 "Gate function"

| Num | ame | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Logic | Input | | | 1 bit | C | - | W | - | - | switch | Low |
| 3 | Logic | Gate input | | | 1 bit | C | - | W | - | - | boolean | Low |
| | Logic | Output | | | 1 bit | C | | | | | | |

| Num | ame | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1st Logic | Input | | | 1 byte | C | - | W | - | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

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### 6.6.7. “Staircase lighting”



| Numb | Name | Object Function | Description | Group Address | Length | C | R | W | T | U | Data Type | Priority |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1st Logic | Trigger value | | | 1 bit | C | - | W | - | - | trigger | Low |
| 3 | 1st Logic | Light-on duration time | | | 2 bytes | C | - | W | - | - | time (s) | Low |
| 10 | 1 | Output | | | 1 bit | C | - | - | T | - | switch | Low |
| | 1st Logic | Output | | | 1 byte | C | - | - | T | - | counter pulses (0..255) | Low |

APP

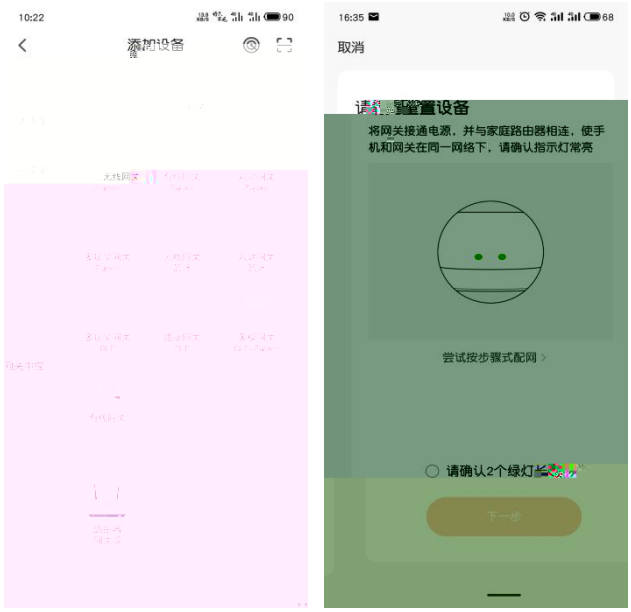
7.1.

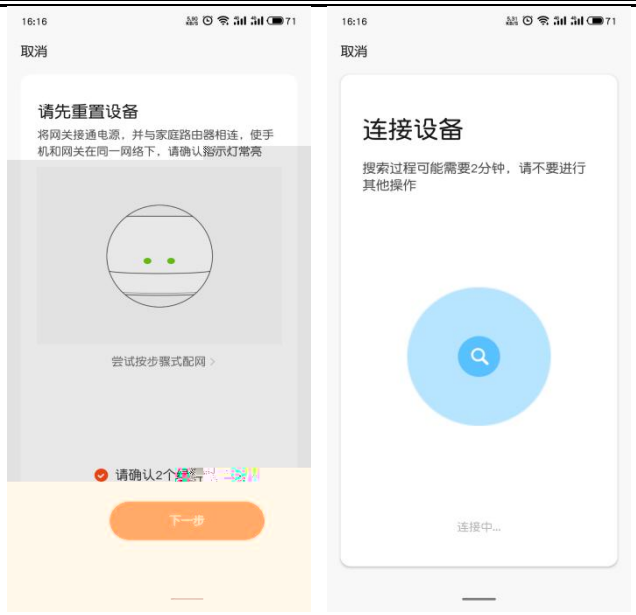




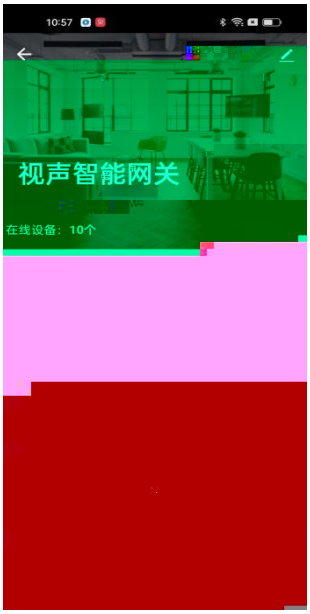


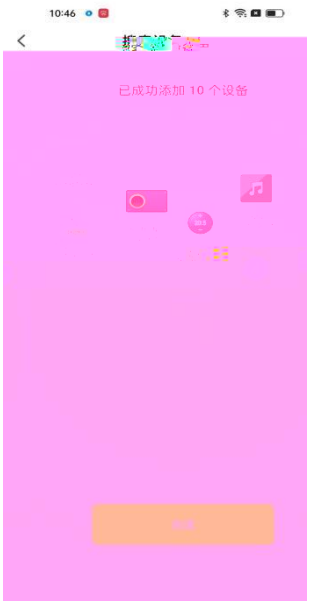
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10:22
添加设备
16:35
取消
将网关接通电源，并与家庭路由器相连，使手机和网关在同一网络下，请确认指示灯常亮
尝试按步骤式配网 >

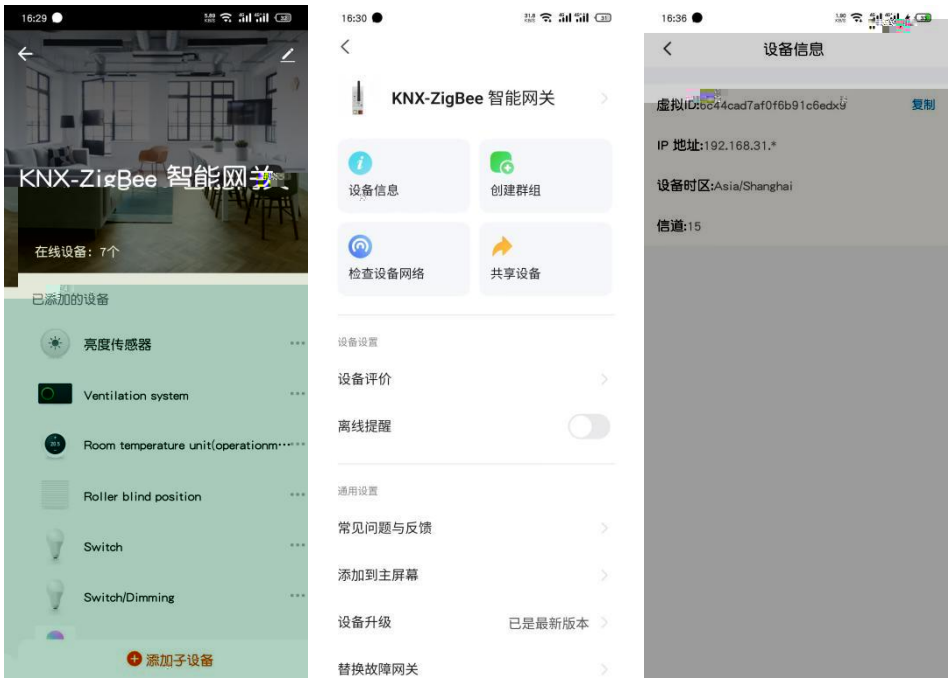

16:16
取消
请先重置设备
将网关接通电源，并与家庭路由器相连，使手机和网关在同一网络下，请确认指示灯常亮
尝试按步骤式配网
请确认2个
下一步
16:16
取消
连接设备
搜索过程可能需要2分钟，请不要进行其他操作
连接中...


取消
选择添加设备
视声智能网关
可以连接的设备
完成
添加成功
视声智能网关
添加设备成功


10:57
视声智能网关
在线设备：10个

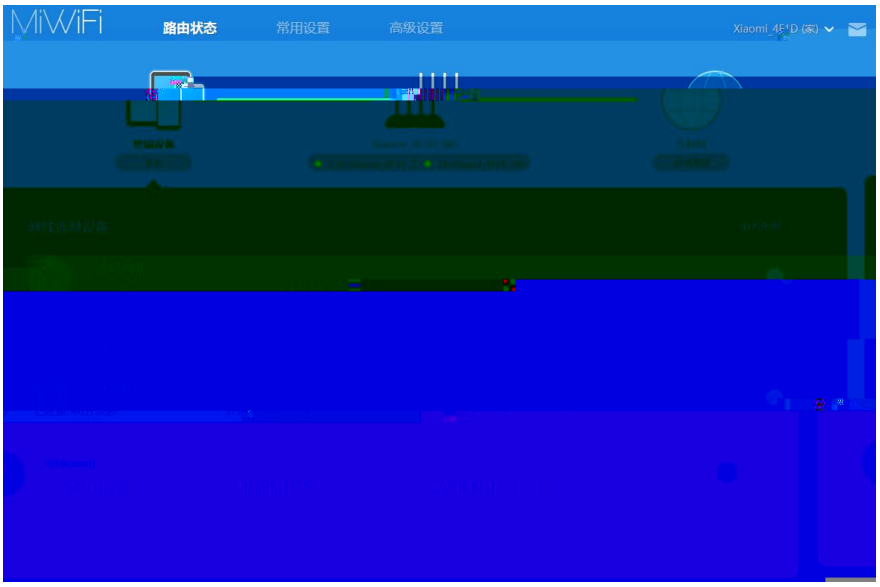

10:46
已成功添加 10 个设备

7.2.

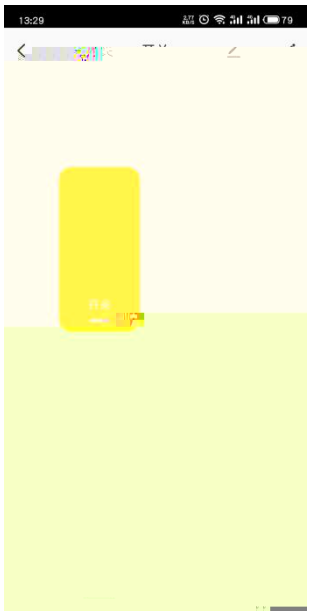



Fixed

DHCP



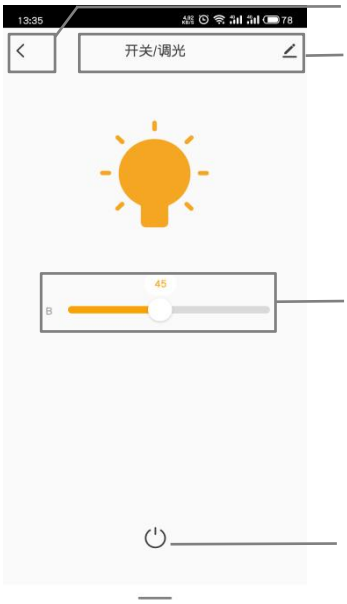
7.3.




14:05
开关
设备信息
“一键执行”和“自动化”
其他
共享设备
创建群组
常见问题与反馈
添加到主屏幕
移除设备

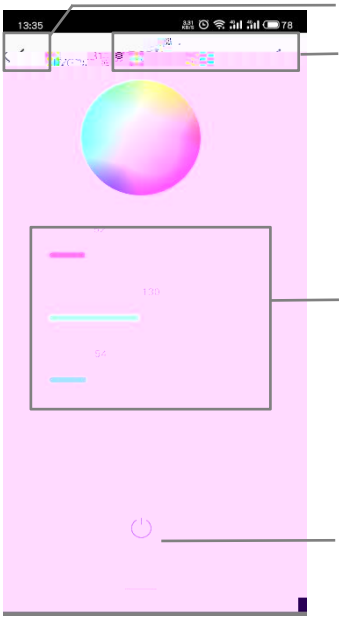

14:05
图标
位置

7.4.

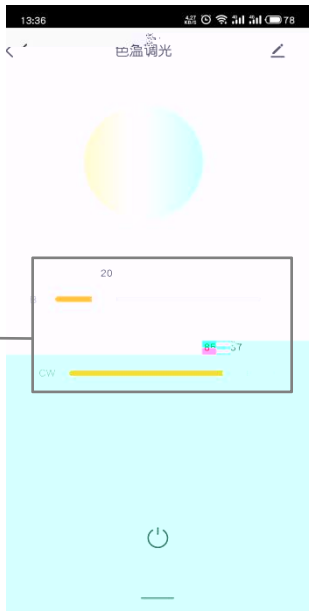





7.5.RGB

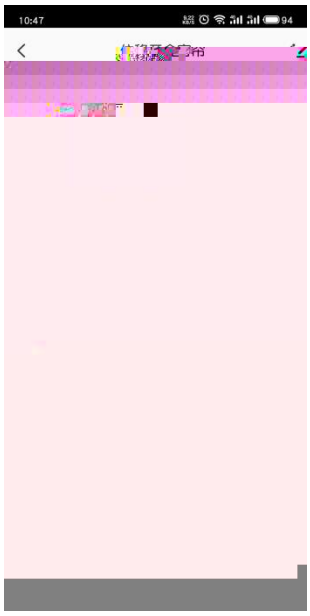


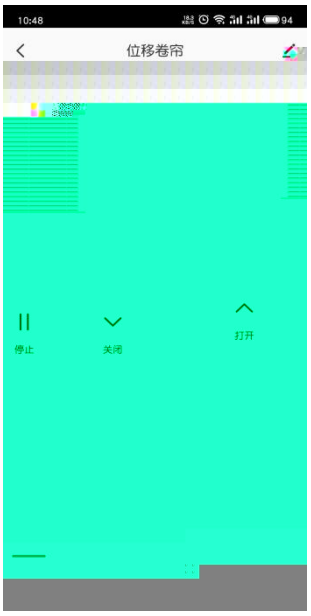


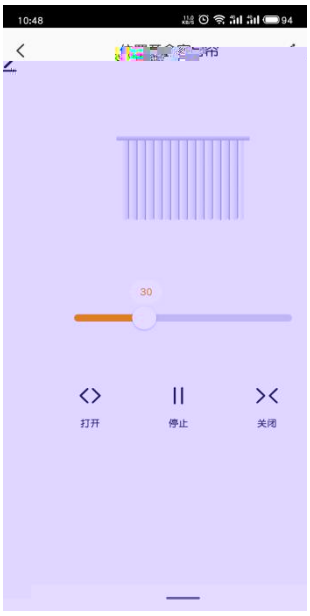



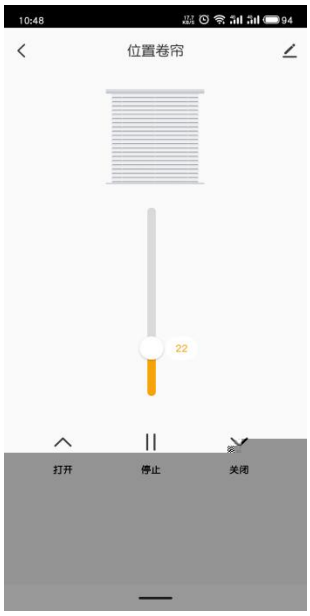


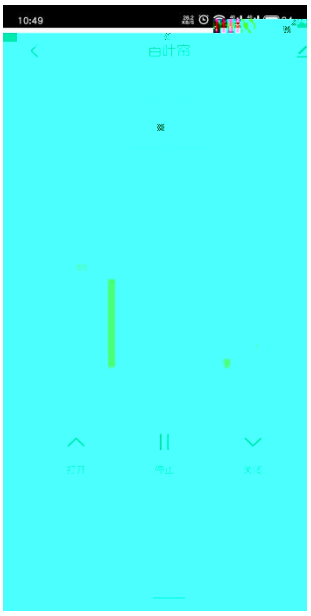

7.6.











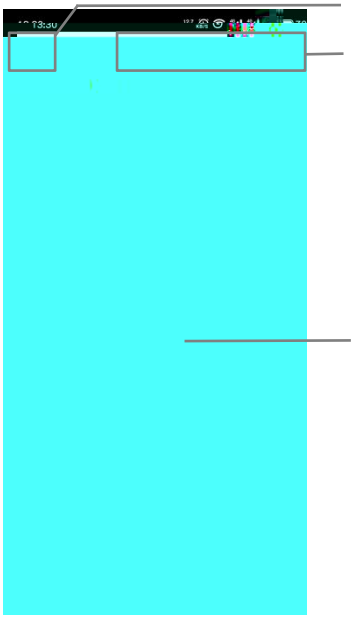

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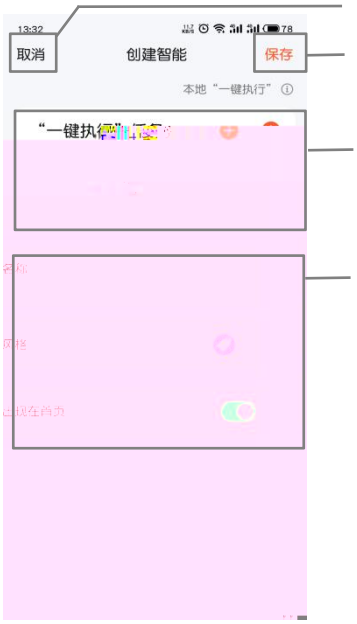
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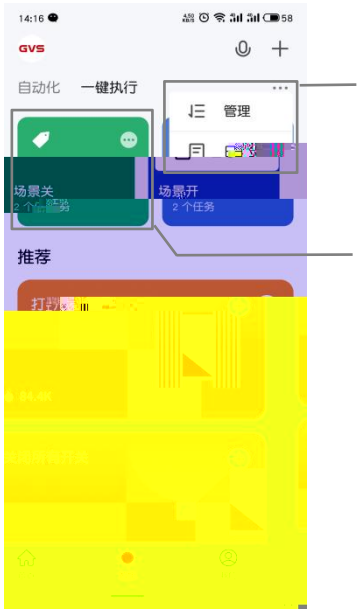
7.8.KNX

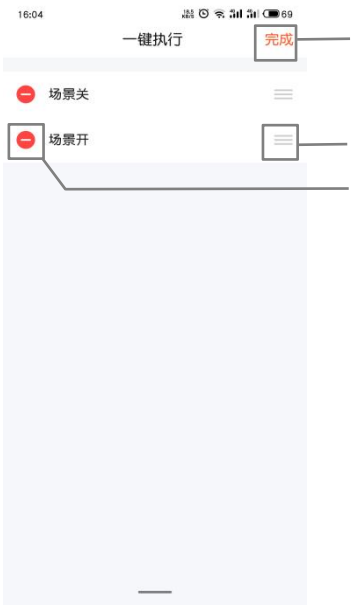


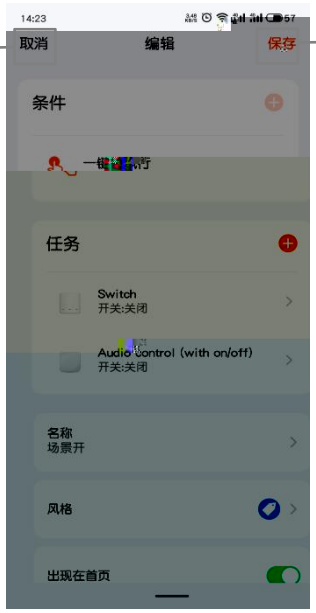

场景开关
完成
场景图标
添加一个场景


取消
创建智能
保存
本地“一键执行”


取消
创建智能
保存
本地“一键执行”
“一键执行”任务
添加任务
名称
请输入名称
添加任务


GVS
自动化
一键执行
管理
场景关
场景开
2 个任务
推荐

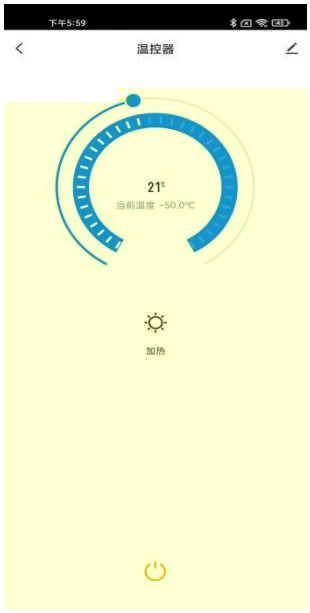

一键执行
完成
场景关
场景开

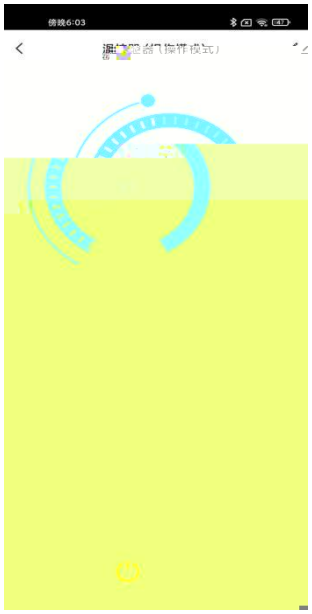

取消
编辑
保存
条件
任务
Switch
开关:关闭
名称
场景开
风格
出现在首页

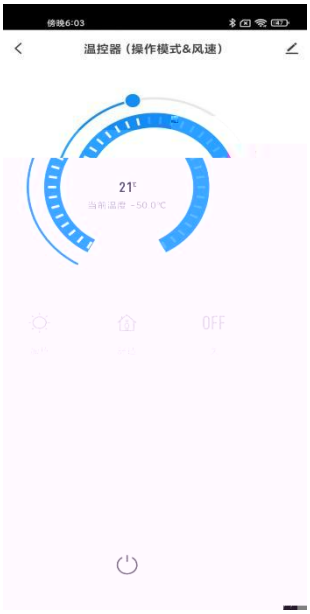


Dt

7.10.



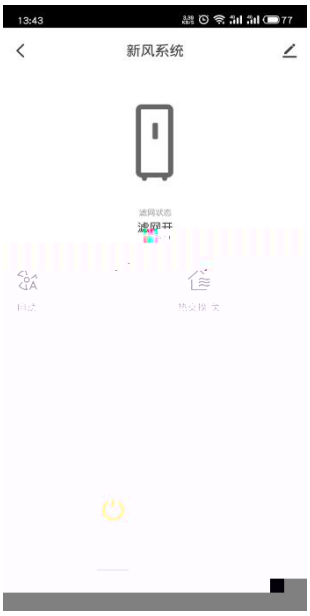





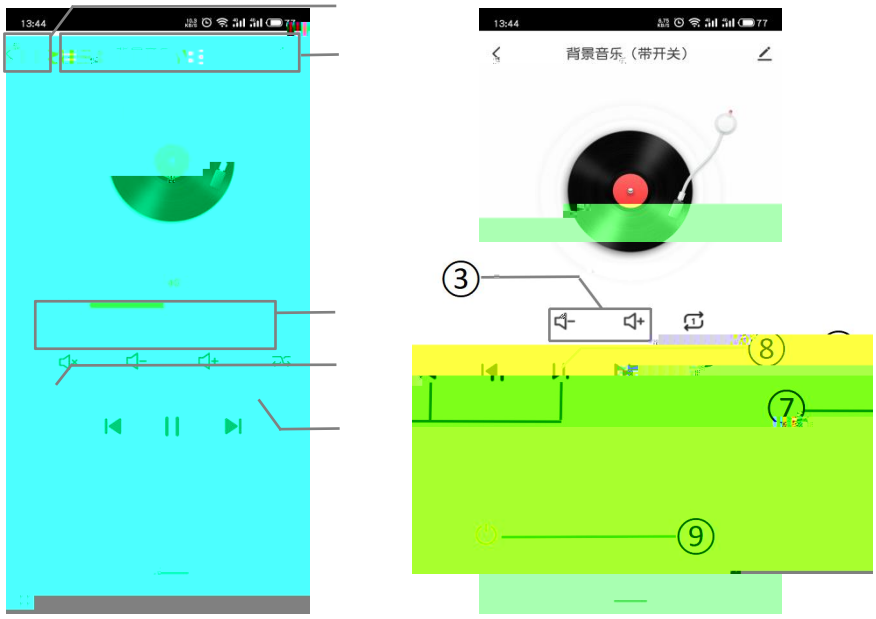

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7.11.



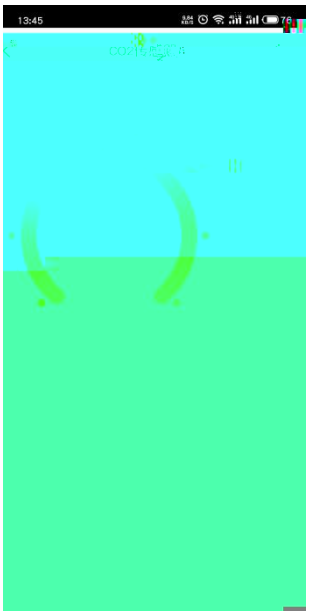

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7.12.

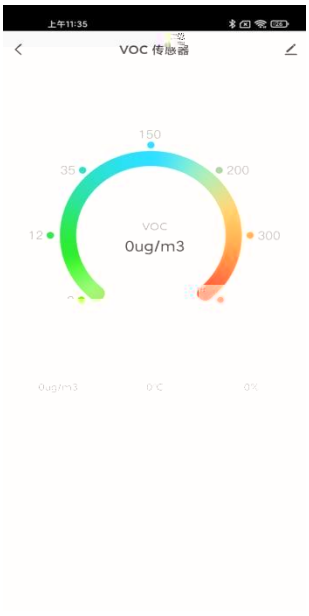


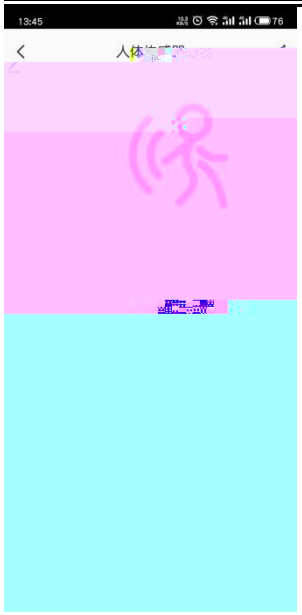
7.13.


空气质量传感器
150
100
200
0
0ug/m3
0ug/m3
-50℃
0%
0

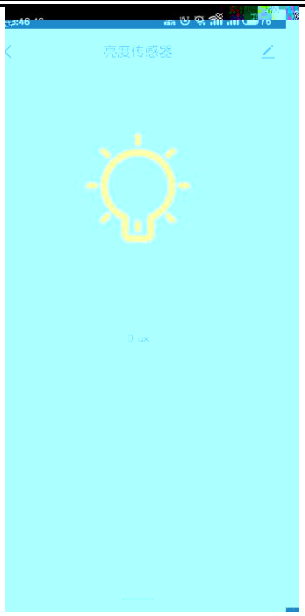


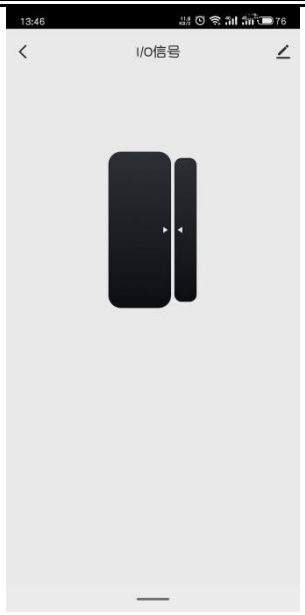

PM2.5传感器
150
35
200
12
300
0
999
PM2.5
0 μ g/m3
PM2.5
0 μ g/m3
Temperature
-50℃
Humidity
0%


VOC 传感器
150
35
200
12
300
VOC
0ug/m3




移动传感器
移动状态
没有检测到人经过




I/O信号

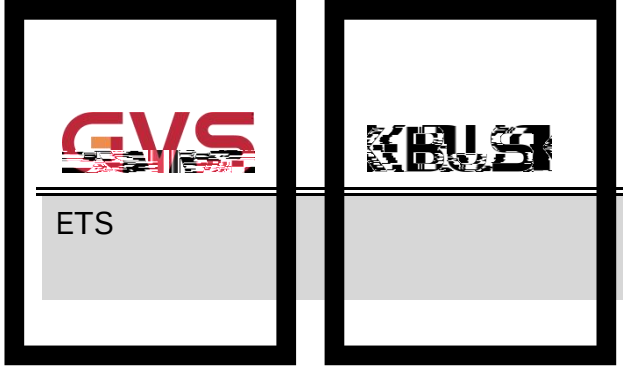
7.14. /


电流计量器
当前电流
0 A
当前功率
0 W


能源计量器
当前电流
0 A
当前功率
0 W
当前电压
0 V
当前能源
0 W/H

| ETS | | |
|---|---|---|
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| ETS | | |
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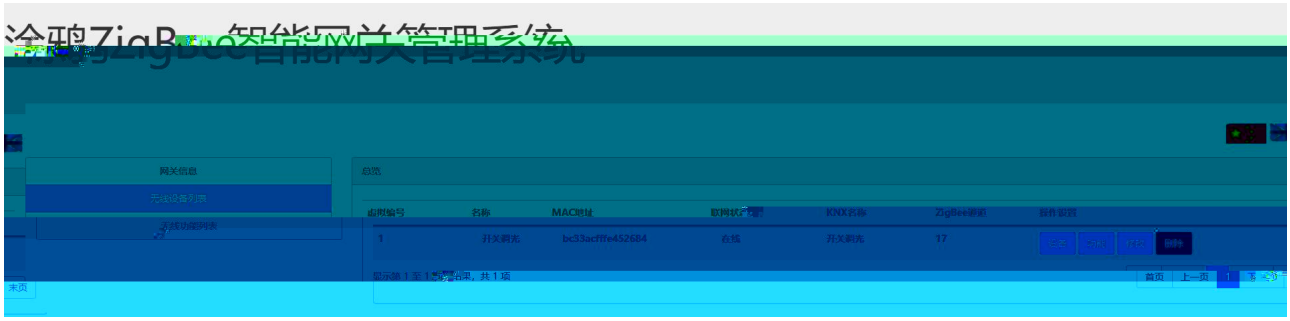
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# Please

C

8.2.


网关信息
无线设备列表
无线功能列表
总览
虚拟编号
名称
MAC地址
KNX名称
ZigBee频道
操作设置
1
开关调光
bc33acfffe452684
在线
开关调光
17
首页
上一页
1

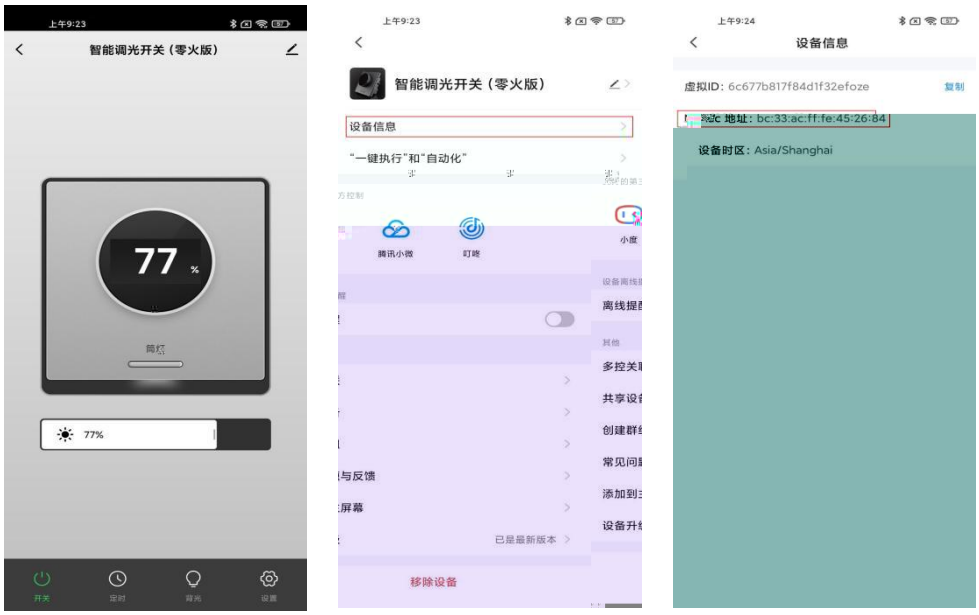
/

8.3.


余鸦ZigBee智能网关管理系统
网关信息
无线设备列表
无线功能列表
总览
设备名称
MAC地址
功能点ID
数据模式
当前状态值
设备类型
绑定功能
开关调光
bc33acfffe452684
1
普通调光
开关
开关调光
bc33acfffe452684
2
普通调光
亮度




MAC App ZigBee MAC :

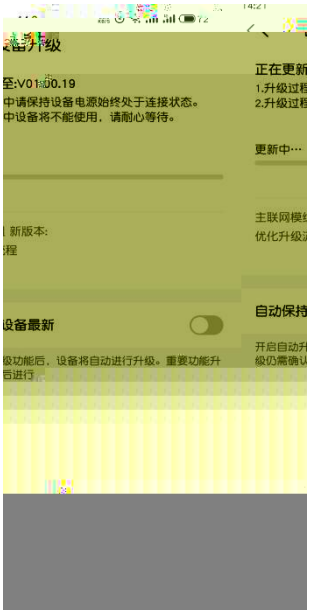



MAC ZigBee ZigBee

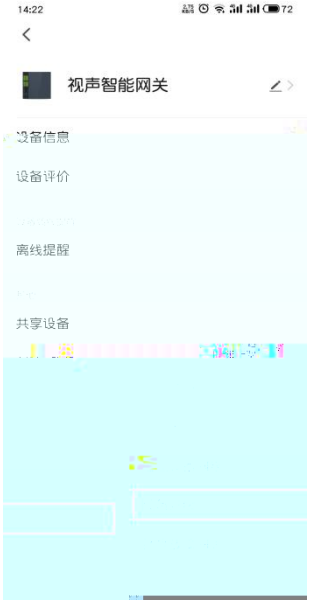


77% 766

KNX-Tuya ZigBee OTA


正在更新
更新中…
自动保持

GVS


14:22
视声智能网关
设备信息
设备评价
离线提醒
共享设备


14:22
已是最新版本
自动保持设备最新