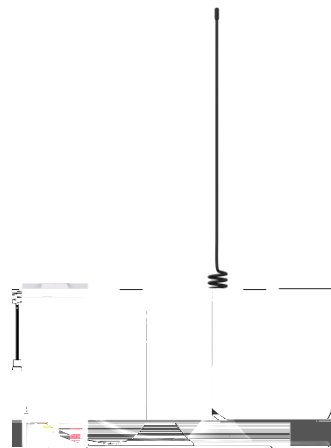


KNX-Tuya ZigBee

KNX Gateway for Tuya ZigBee_V2.1

BTMO-TY/00.1(2)

BTMO-TY/00.3(4)



KNX/EIB

注意

远离磁场

远离高温

防潮

不可将设备放入水中

请勿触摸

小心触摸

4、请勿自行拆卸本设备

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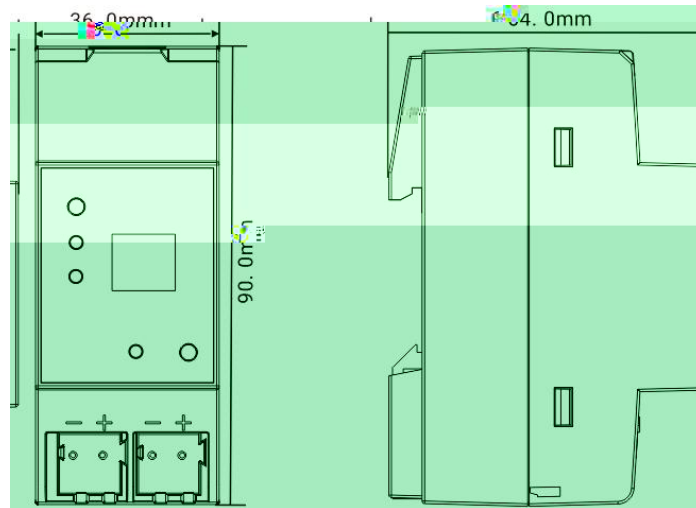
-

-

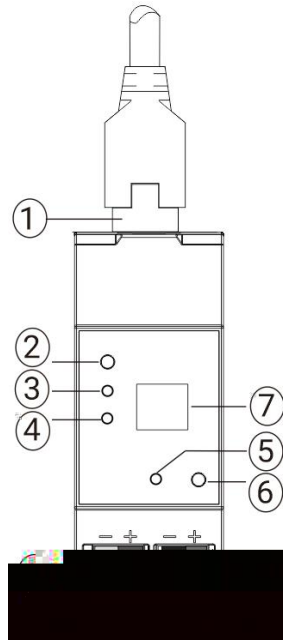
-



3.1



3.2





KNX

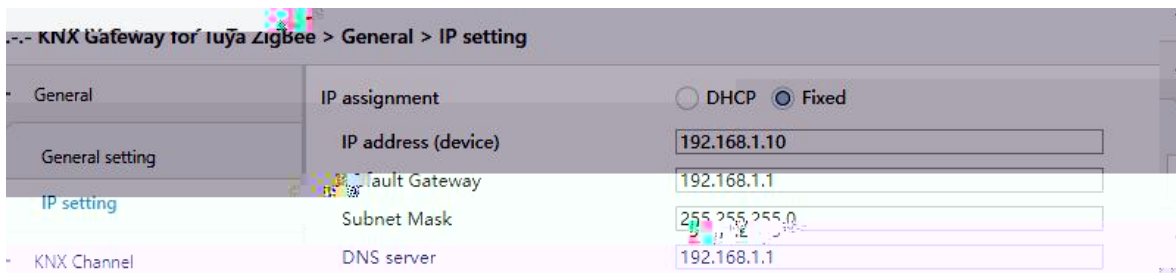
Zigbee

BTMO-TY/00.3(4)



f

5.1.2. “IP setting”



Field	Value
IP assignment	☐ DHCP ☒ Fixed
IP address (device)	192.168.1.10
Default Gateway	192.168.1.1
Subnet Mask	255.255.255.0
DNS server	192.168.1.1

“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”

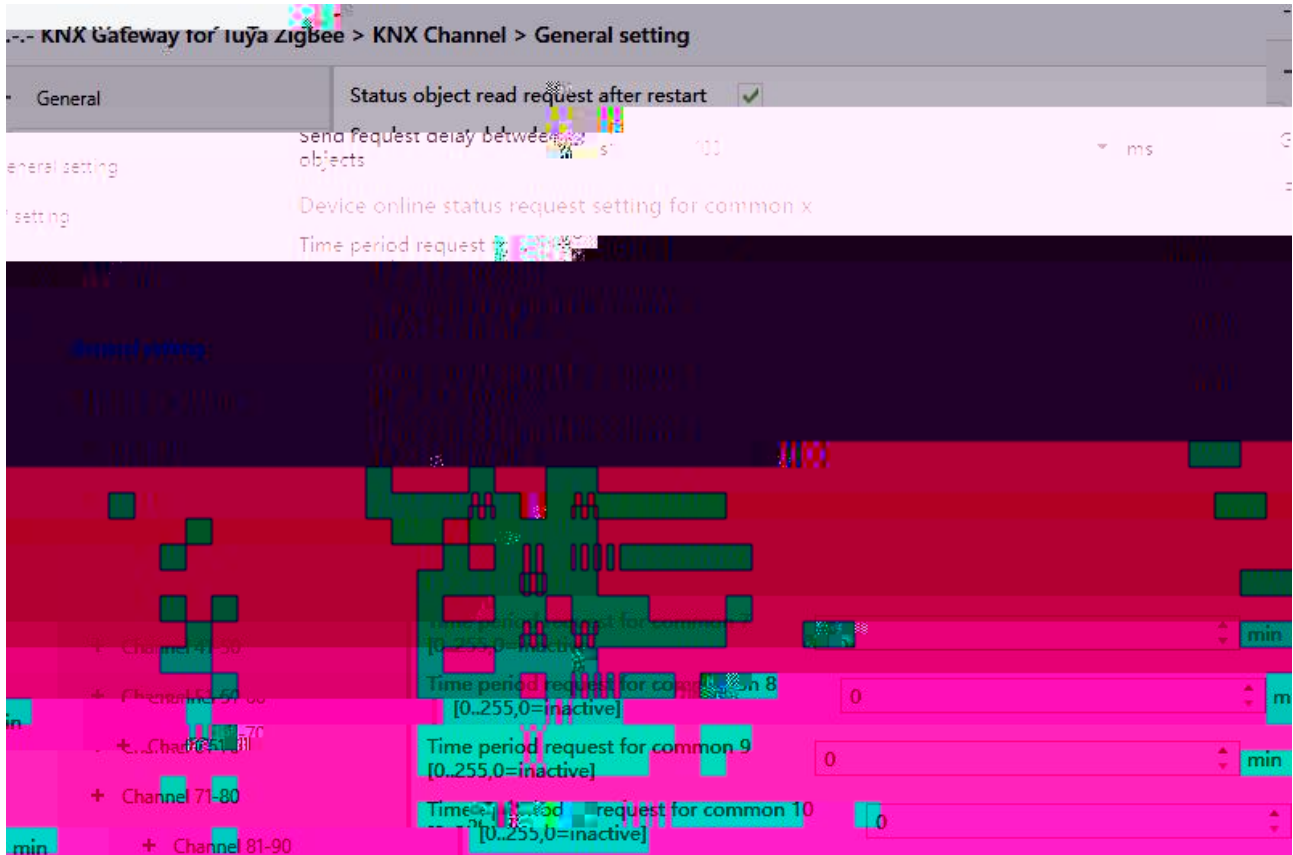
0-255.0-255.0-255.0-255

“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

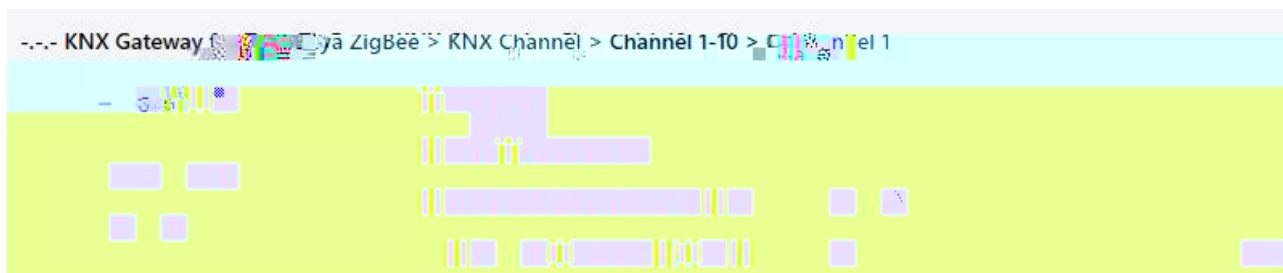
100ms

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

1-100

101-150

Switch
 Switch/Dimming
 Curtain step/move
 Roller blind step/move
 Air quality sensor
 Energy metering



Description (max 30char.)

Device online status reference by

Common 1

...

Common 10

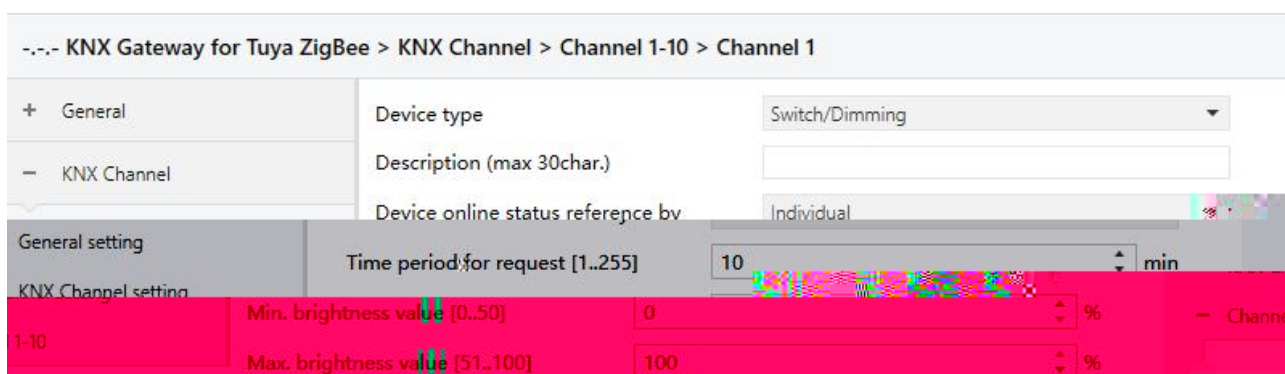
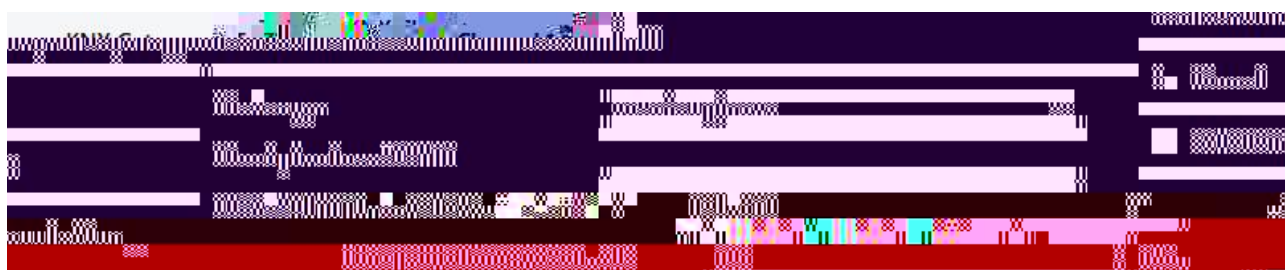
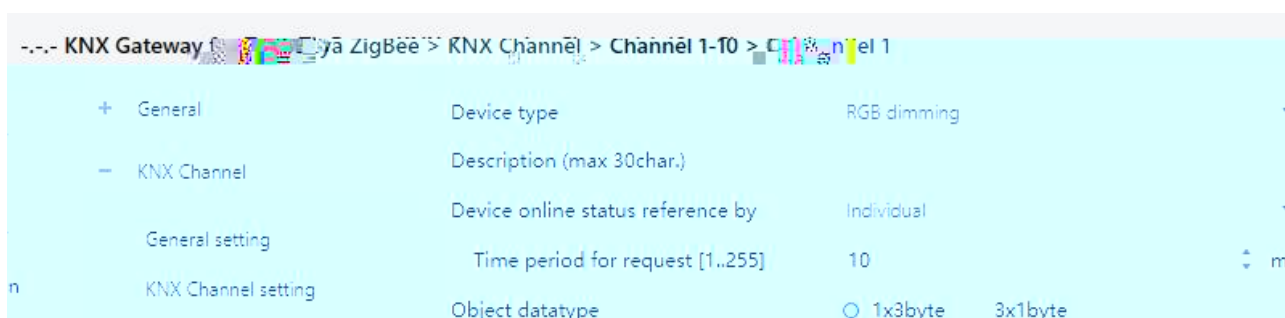
Individual

Always online

Time period for request [1..255] min

1..255

5.2.1.1.





KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1

+ General	Device type	RGBW dimming
- KNX Channel	Description (max 30char.)	
General setting	Device online status reference by	Individual
KNX Channel setting	Time period	10 min
	Object datatype	1x6byte 4x1byte

KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1

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

KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1

+ General	Device type	Scene switch
- KNX Channel	Description (max 30char.)	
General setting	Device online status reference by	Always online
KNX Channel setting	Time period for request [1..255]	10 min
Channel 1-10	Output object datatype for trigger	1bit[On/Off]
	Output value	☐ OFF ☒ ON



"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

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ETS

Min. color temperature [2000..7000]

7000

K

Max. color temperature [2000..7000]

6500

K



"Output object datatype for trigger"

1bit[On/Off]

2bit[0..3]

1byte[0..100%]

1byte[0..255]

1byte[scene control]

2byte[Float]

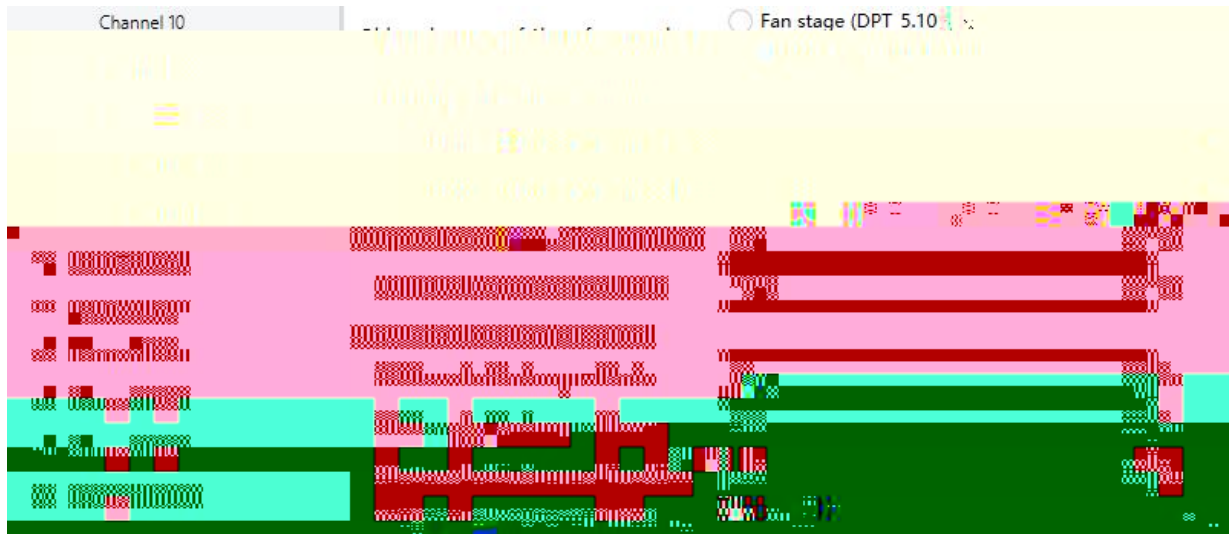
2byte[0..65535]

"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"



"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]"

02855

"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)

Output value for fan speed auto

0 %

Output value for fan speed low

68 %

Output value for fan speed medium

Output value for fan speed high

5.2.1.3.

--- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1

<div> <div>+</div> <div>General</div> </div> <div> <div>-</div> <div>KNX Channel</div> </div> <div> <div>General setting</div> </div> <div> <div>KNX Channel setting</div> </div> <div> <div>-</div> <div>Channel 1-10</div> </div> <div> <div>Channel 1</div> </div> <div> <div>Channel 2</div> </div> <div> <div>Channel 3</div> </div> <div> <div>Channel 4</div> </div> <div> <div>Channel 5</div> </div> <div> <div>Channel 6</div> </div>	<div> <div>Device type</div> <div>Room temperature unit(with operation mode & fan speed)</div> </div> <div> <div>Description (max 30char.)</div> <div></div> </div> <div> <div>Device online status reference by</div> <div>Individual</div> </div> <div> <div>Time period for request [1..255]</div> <div>10</div> <div>min</div> </div> <div> <div>Time period for request room temperature sensor [0...255]</div> <div>10</div> <div>min</div> </div> <div> <div>Min. setpoint temperature [5..40]</div> <div>5</div> <div>°C</div> </div> <div> <div>Max. setpoint temperature [5..40]</div> <div>40</div> <div>°C</div> </div> <div> <div>Control mode</div> <div>Heating & Cooling</div> </div> <div> <div>Fan speed setting</div> </div> <div> <div>Object datatype of 1byte f</div> </div>
---	--



"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

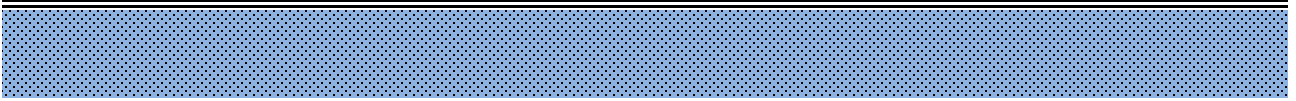
Status feedback for fan speed

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

0..255/0..100



"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

Device type CO2 sensor

KNX Channel

Description (max 30char.)

Device online status reference by Individual

General setting

KNX Channel setting

Channel 1-10

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

Device type PM2.5 sensor

KNX Channel

Description (max 30char.)

Device online status reference by Individual

General setting

KNX Channel setting

Channel 1-10

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

Device type VOC sensor

KNX Channel

Description (max 30char.)

Device online status reference by Individual

General setting

KNX Channel setting

Channel 1-10

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

Device type Presence sensor

KNX Channel

Description (max 30char.)

Device online status reference by Individual

General setting

KNX Channel setting

Channel 1-10

Time period for request [1..255] 10 min

Object datatype of Presence

☐ 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	Device type	Motion sensor
- KNX Channel	Description (max 30char.)	
	Device online status reference by	Individual
General setting	Time period for request [1..255]	10 min
KNX Channel setting		

--- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1

General	Device type	Brightness sensor
KNX Channel	Description (max 30char.)	
	Device online status reference by	Individual
General setting	Time period for request [1..255]	10 min
KNX Channel setting		

--- KNX Gateway for Tuya ZigBee > KNX Channel > Channel 1-10 > Channel 1

+ General	Device type	Signal
- KNX Channel	Description (max 30char.)	
	Device online status reference by	Individual
General setting	Time period for request [1..255]	10 min
KNX Channel setting		

"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)

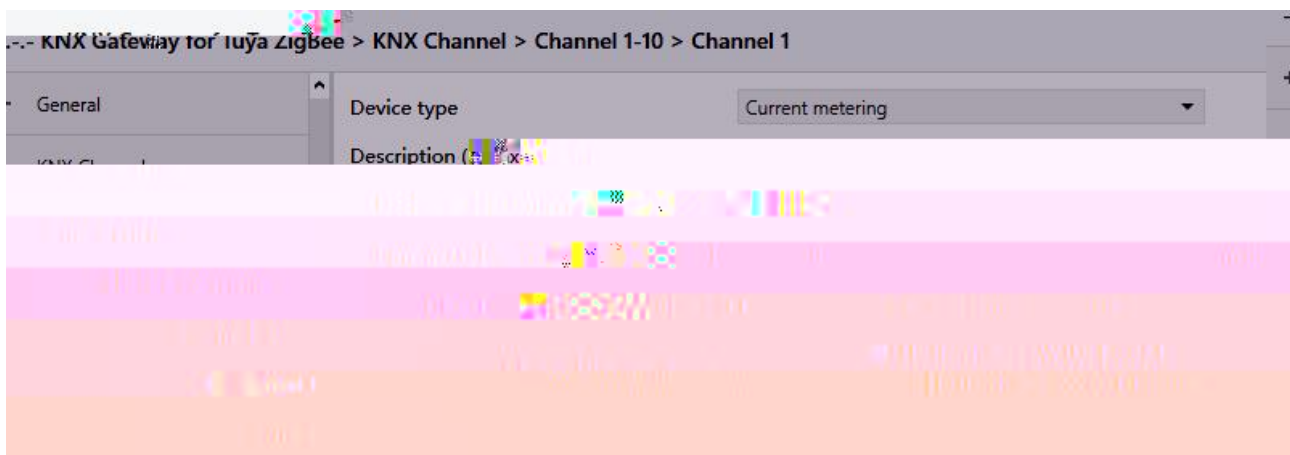
Float value in ppm (DPT 9.008)

"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)

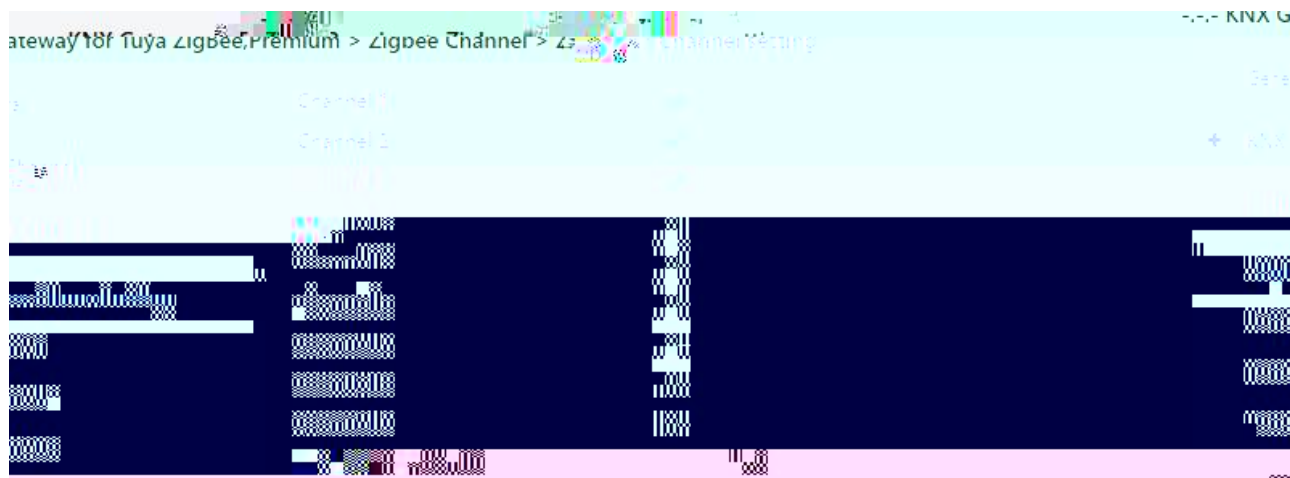
Float value in W (DPT 14.056)

5.2.1.8.



5.3. “Zigbee Channel”

5.3.1. “Zigbee Channel setting”

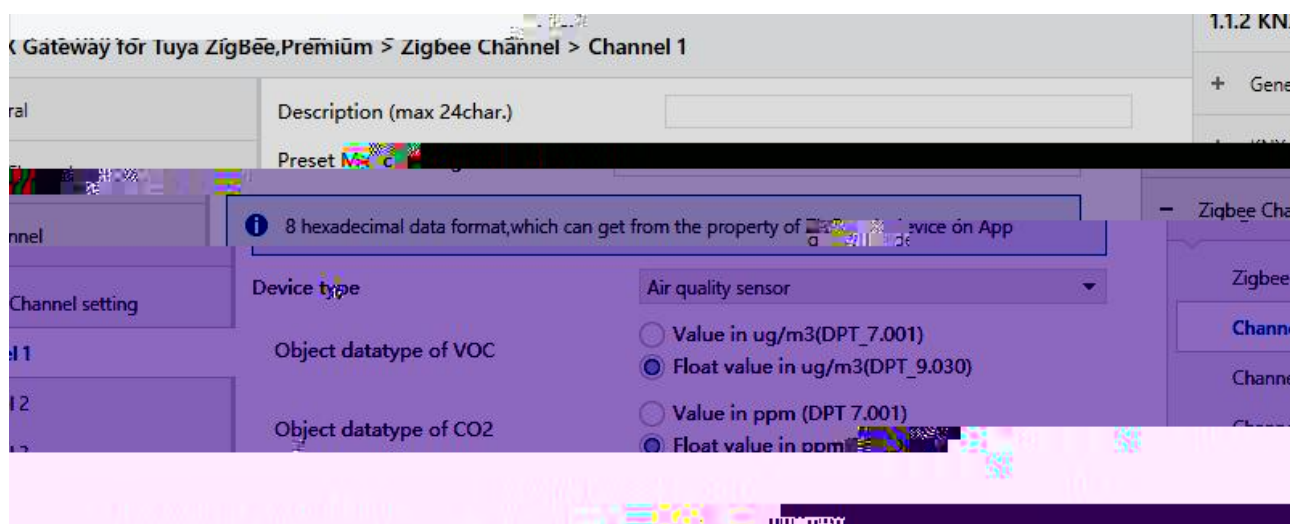


“Channel 1/2/3/...”

Zigbee

BTMO-TY/00.3(4)

5.3.2. “Channel x”(x=1~32)





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

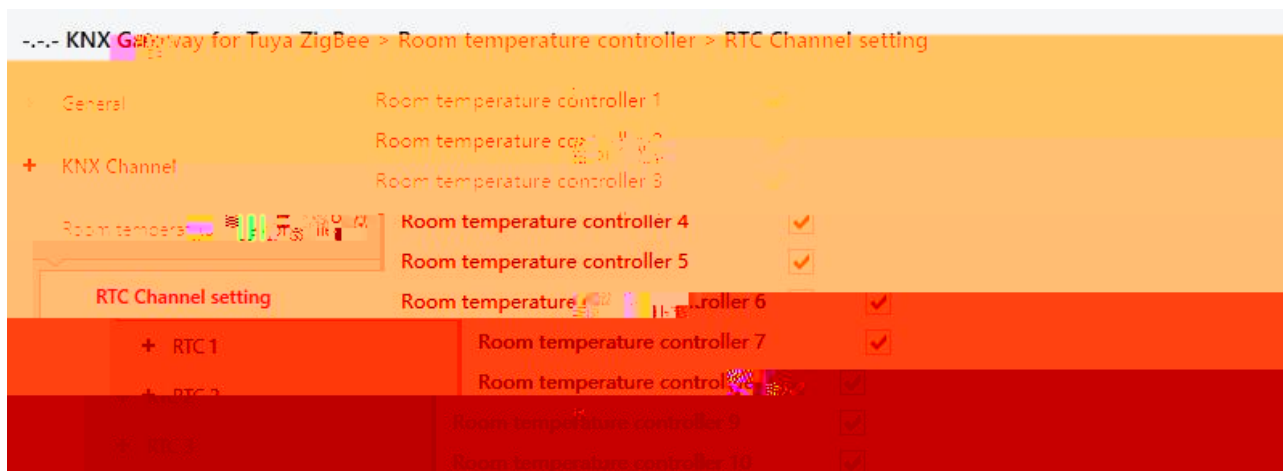
2000..7000

ETS

Min. color temperature [2000..7000]	<input type="text" value="7000"/>	K
Max. color temperature [2000..7000]	<input type="text" value="6500"/>	K

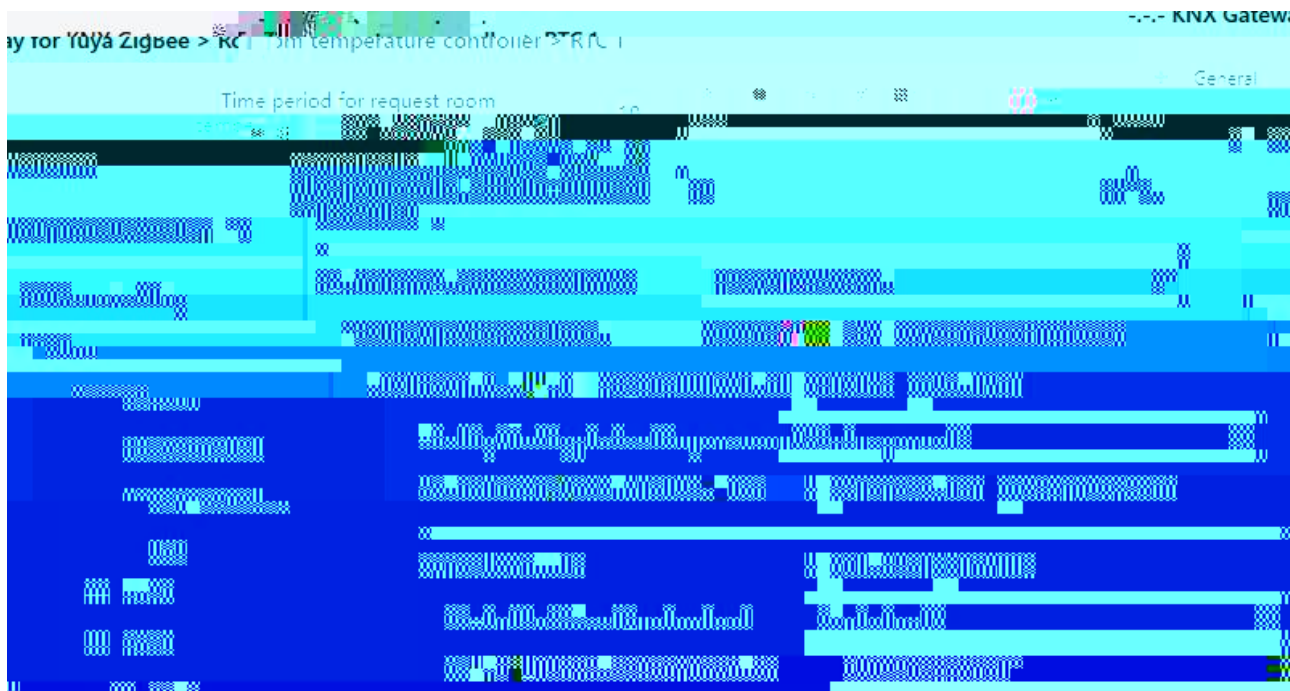
5.4. “Room temperature controller”

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"

“Min./Max. setpoint temperature [5..40] °C”

5°C
6°C
...
40°C

ETS

5.4.1.1. “Setpoint”

KNX Gateway for Tuya ZigBee > Room temperature controller > RTC 1 > Setpoint

General		Heating	
+	KNX Channel	Setpoint temperature in comfort mode [5...40]	21 °C
-	Room temperature controller	Setpoint temperature in standby mode [5...40]	19 °C
	RTC Channel setting	Setpoint temperature in economy mode [5...40]	17 °C
-	RTC 1	Setpoint temperature in frost protection mode [5...40]	7 °C
	Setpoint	Setpoint temperature in comfort mode [5...40]	23 °C
	Heating control	Setpoint temperature in economy mode [5...40]	27 °C
	Cooling control	Setpoint temperature in heat protection mode [5...40]	35 °C
▼ °C	Fan		
▼ °C	+ RTC 2		
▼ °C	+ RTC 3		
▼ °C	+ RTC 4		
	RTC 5		
+	RTC 6	Min. setpoint temperature [5..40]	5 °C
+	Ventilation controller	Max. setpoint temperature [5..40]	40 °C

Note: The heating setpoint must be always less than the cooling 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



Note: The...

Heating and Cooling

ETS



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

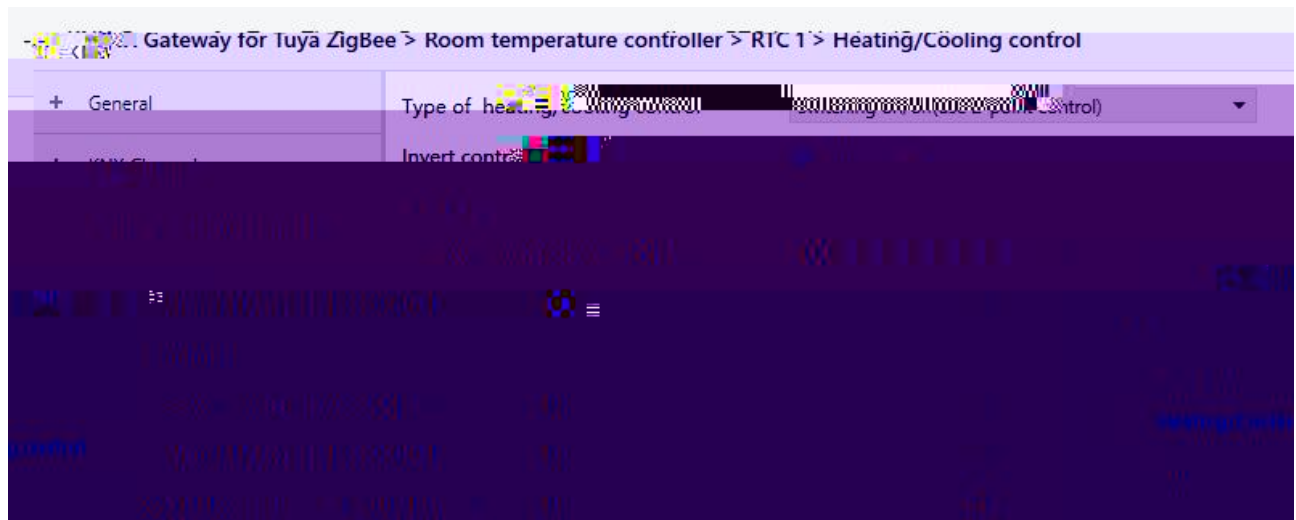
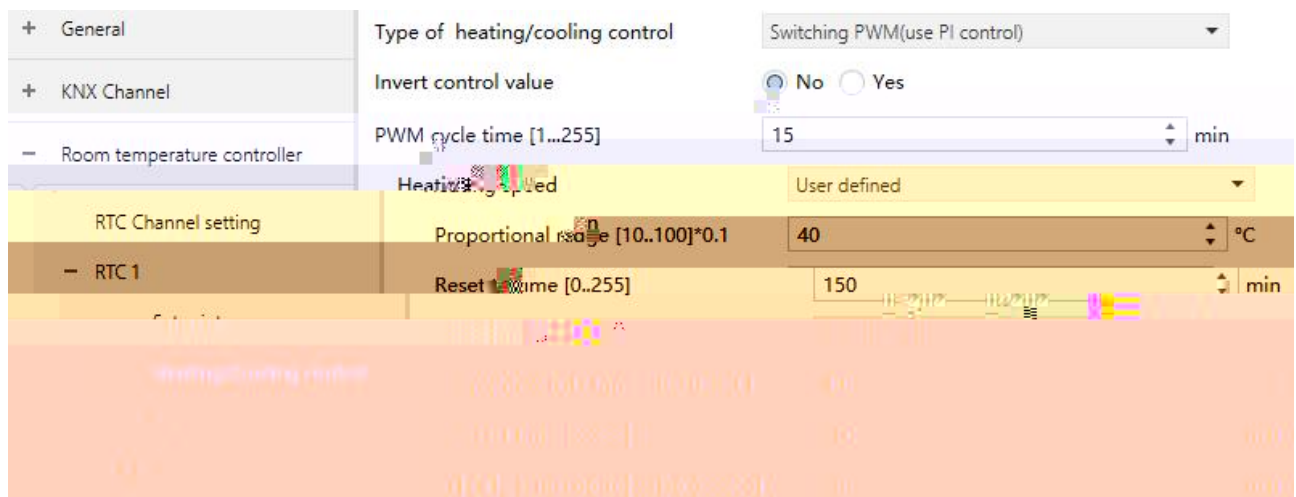
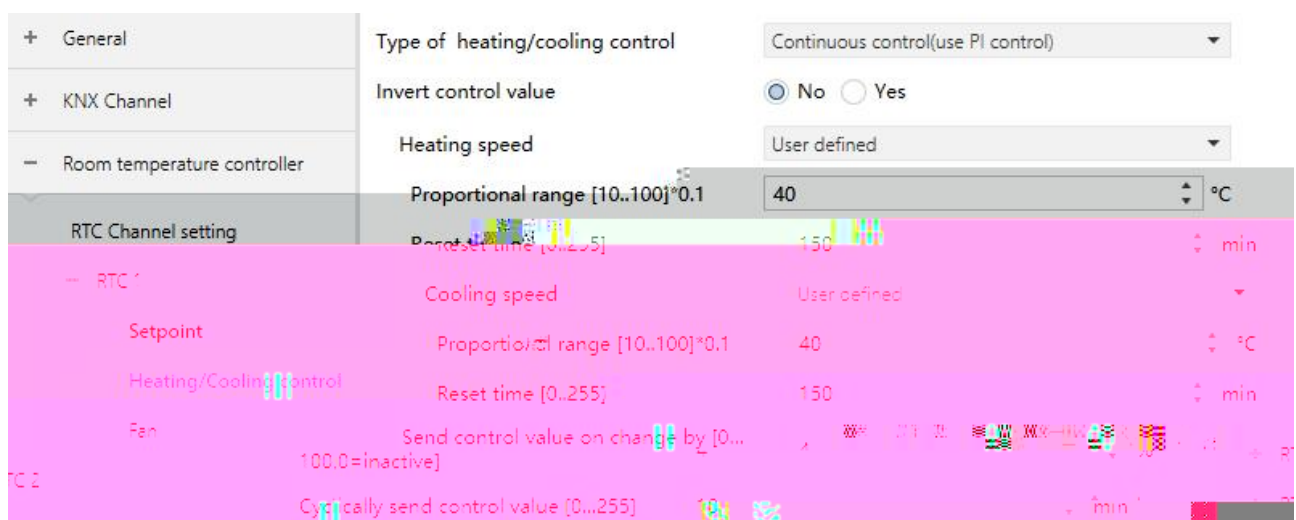


The setpoint is greater than maximum,so maximum will regard as setpoint in fact

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 "

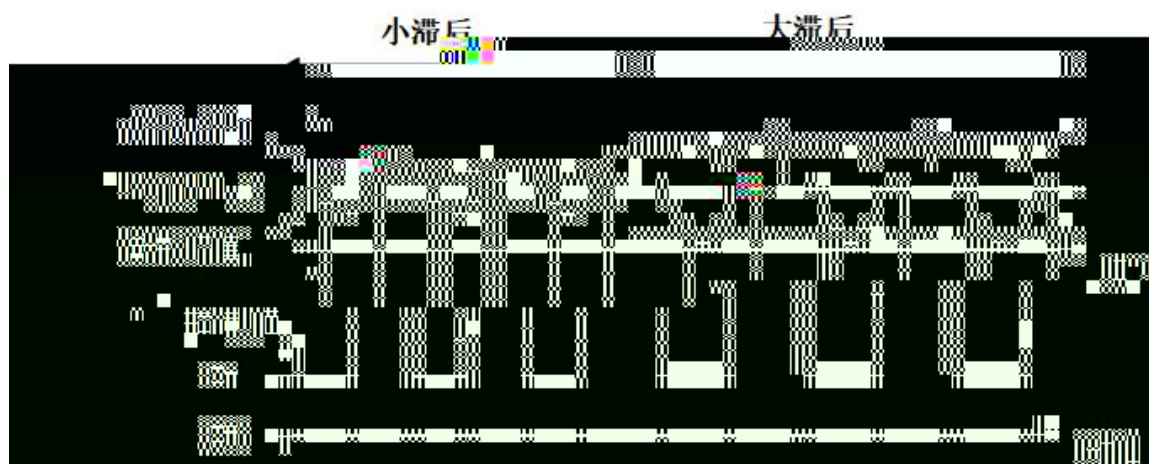
0..200

T > +

T < -

T < -

T > +



PI (PI control)

"Heating speed"

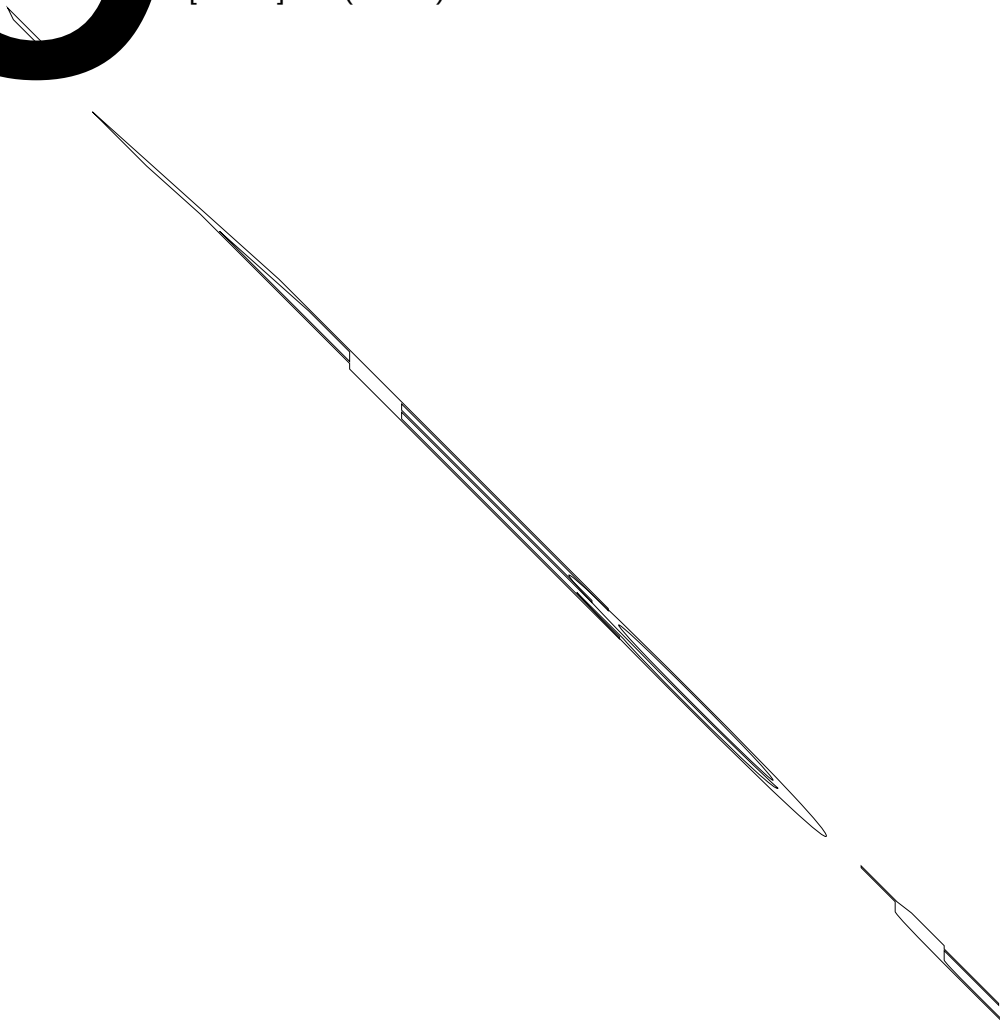
"Cooling speed"

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

Proportion range [10..100] 0.1 C (P ~~value~~)

"Residence [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

Auto. operation on object value
☒ Auto=1/Man.=0
☐ Auto=0/Man.=1

+ KNX Channel

Fan speed Output setting

"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

Output value for Fan speed low	00	▲▼
Output value for Fan speed medium	67	▲▼
Output value for Fan speed high	100	▲▼

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 ^{1speed} low<-->medium [1..200]*0.1 C"

1..200

□ □ □□□ □□ ⊕

0±

2410100000

10..20

α . κ

±



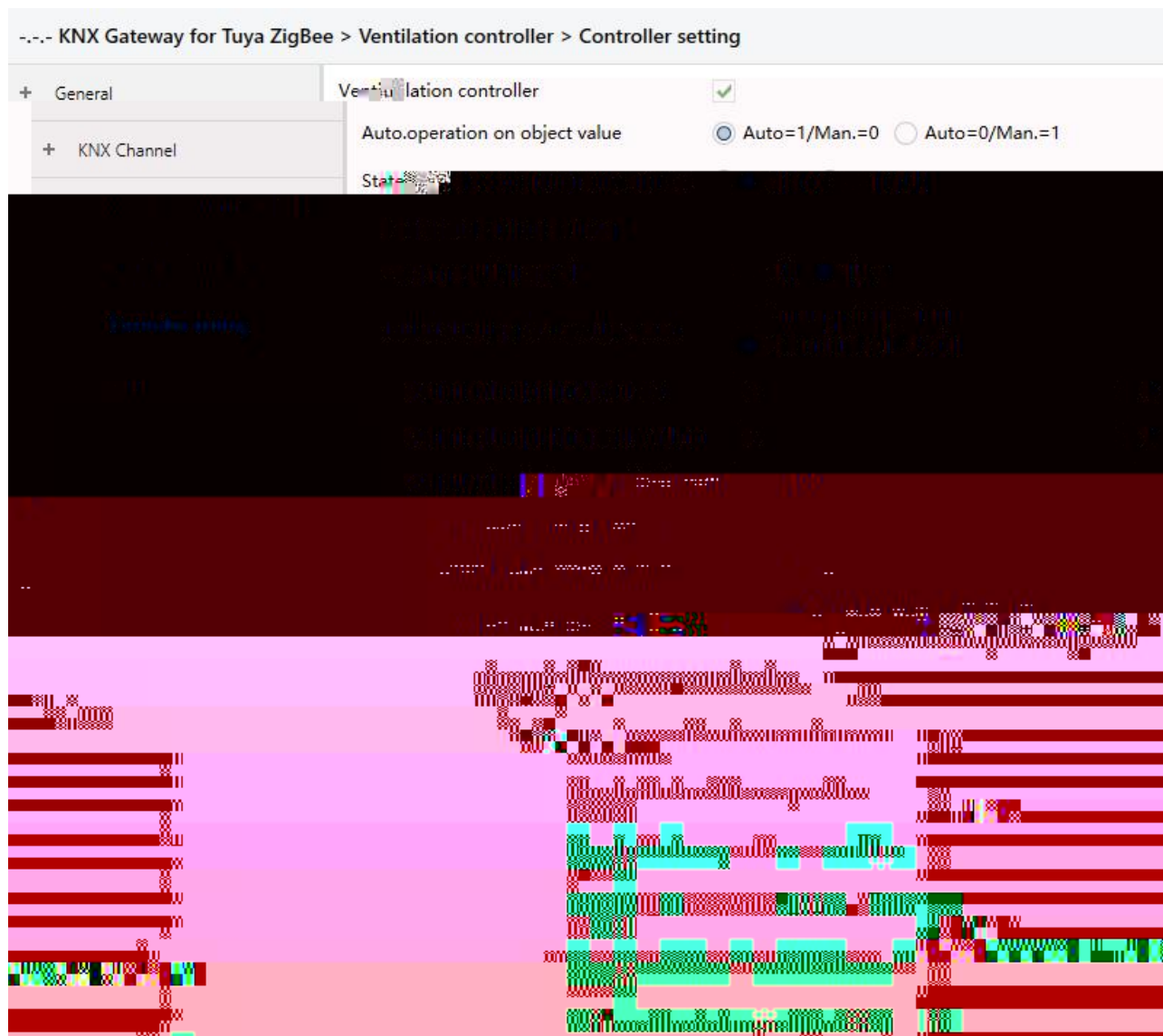
OFF <->

<->

"Hydres. thresh. vltu +/- .50] "

5.5. “Ventilation controller”

5.5.1. “Control setting”





Output value for Fan speed low

00

Output value for Fan speed medium

67

Output value for Fan speed high

100

"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"



Value

DRV

OFF <->

<->

<->

OFF <->

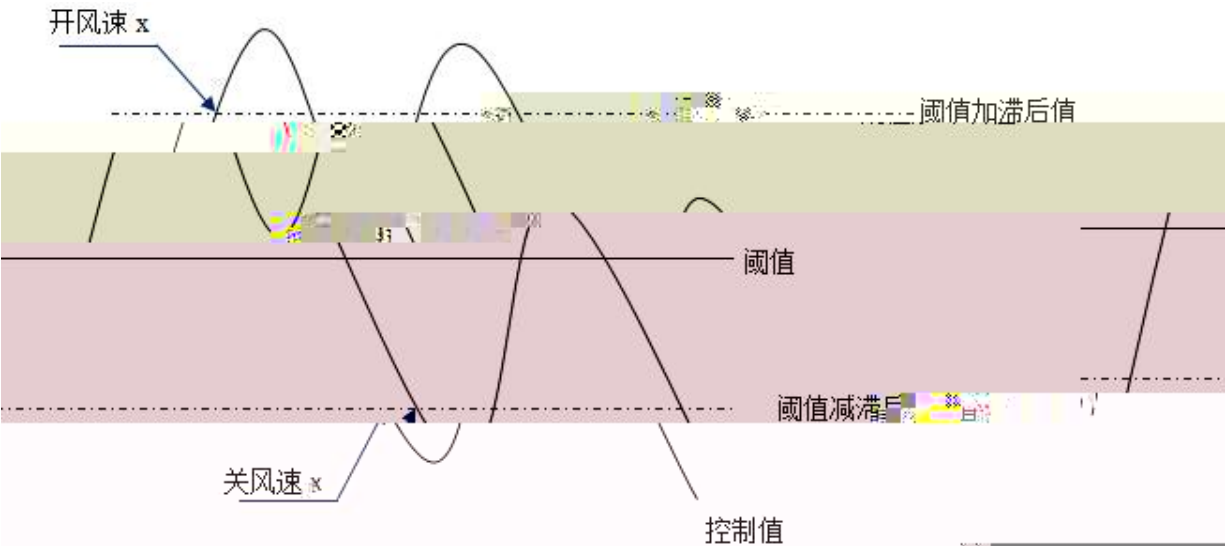
<->

<->

<->

"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 $\geq 25+35$

60 55 75

50 $< 75-25$

50 35 55

2

PM2.5

OFF <->

20

<->

40

<->

70

10

OFF

OFF

30 $\geq 20+10$

41

41

40

70

39

39

20

40

60 $< 70-10$

39

39

20

40

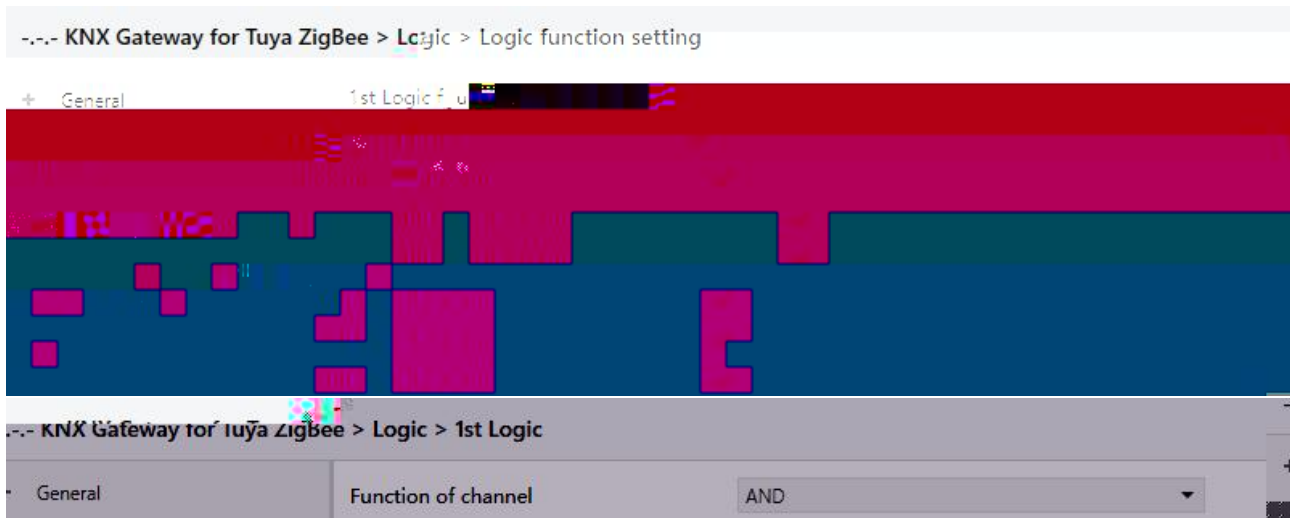
3

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”

KNX Gateway for Tuya Zigbee > 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

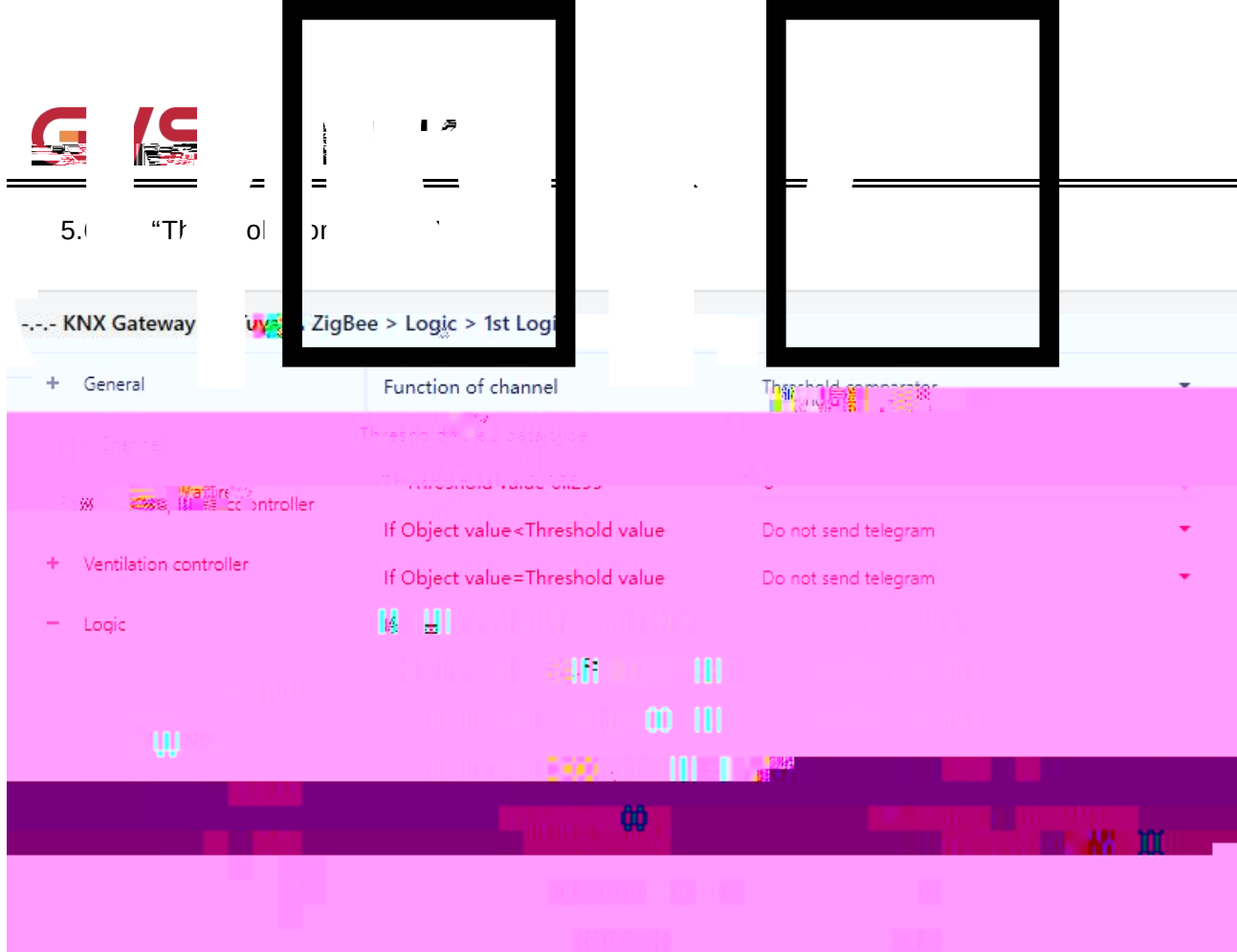
Logic function: AND

Send delay time: Base None

Factor: 1..255 100



"De t scene NO. of Gate after"



"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"

KNX Gateway for Tuya ZigBee > Logic > 1st Logic

+ General	Function of channel	Format convert ▼
+ KNX Channel	Function	2x1Bit-->1x2Bit ▼
+ Room temperature controller	Output send when	☒ Receiving a new telegram ☐ Every change of output object

"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"

- KNX Gateway för Tuya ZigBee > Logi... > 1st Logic

General	Function of channel	Gate function
General settings	Object type of Input/Output...	Init On/Off...
IP settings	Filter function	Deactivate
...	Value output	☐ Normal ☐ Inverted
... KNX Channel	Gate object value	☐ Normal ☐ Inverted
+ Room temperature controller	Gate status after power on	☐ Disable ☐ Enable
+ Ventilation controller	Save settings	☒ No ☐ Yes

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"

--.- KNX Gateway for Tuya ZigBee > Logic > 1st Logic		
+ General	Function of channel	Delay function
+ KNX Channel	Object type of Input/Output	1bit[On/Off]
+ Room temperature controller	Delay time [0..6500]	10 s

"Object type of Input/Output"

1bit[On/Off]

1byte[0..100%]

1byte[0..255]

2byte[Float]

2byte[0..65535]

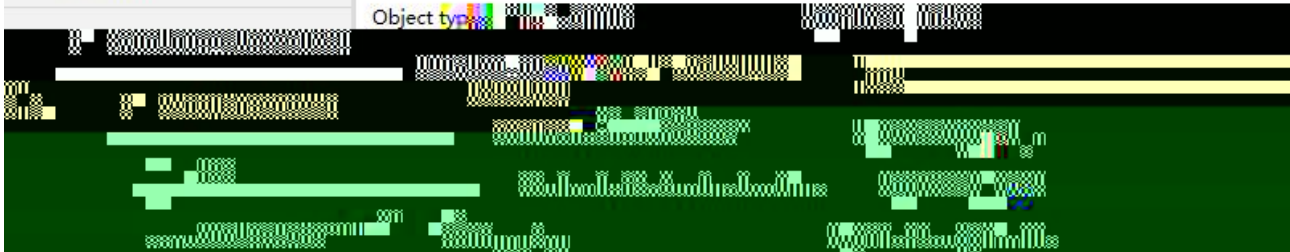
"Delay time [0..6500]s"

0..6500

5.6.7. "Staircase lighting"

--- KNX Gateway for Tuya ZigBee > Logic > 1st Logic

+ General	Function of channel	Staircase lighting
+ KNX Channel	Trigger value	1
Object type		



"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"

Numb	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
300	KNX General	Device online common 1, status			1 bit	C	-	W	T	U	switch	Low
301	KNX General	Device online common 2, status			1 bit	C	-	W	T	U	switch	Low
302	KNX General	Device online common 3, status			1 bit	C	-	W	T	U	switch	Low
303	KNX General	Device online common 4, status			1 bit	C	-	W	T	U	switch	Low
304	KNX General	Device online common 5, status			1 bit	C	-	W	T	U	switch	Low
305	KNX General	Device online common 6, status			1 bit	C	-	W	T	U	switch	Low
306	KNX General	Device online common 7, status			1 bit	C	-	W	T	U	switch	Low
307	KNX General	Device online common 8, status			1 bit	C	-	W	T	U	switch	Low
308	KNX General	Device online common 9, status			1 bit	C	-	W	T	U	switch	Low
309	KNX General	Device online common 10, status			1 bit	C	-	W	T	U	switch	Low
310	KNX General	Device online, status			1 bit	C	-	W	T	U	switch	Low

300/.../3 Device online common x,
 09 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

b

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
312	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			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	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	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%)

ST3

s}}

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				

10035



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

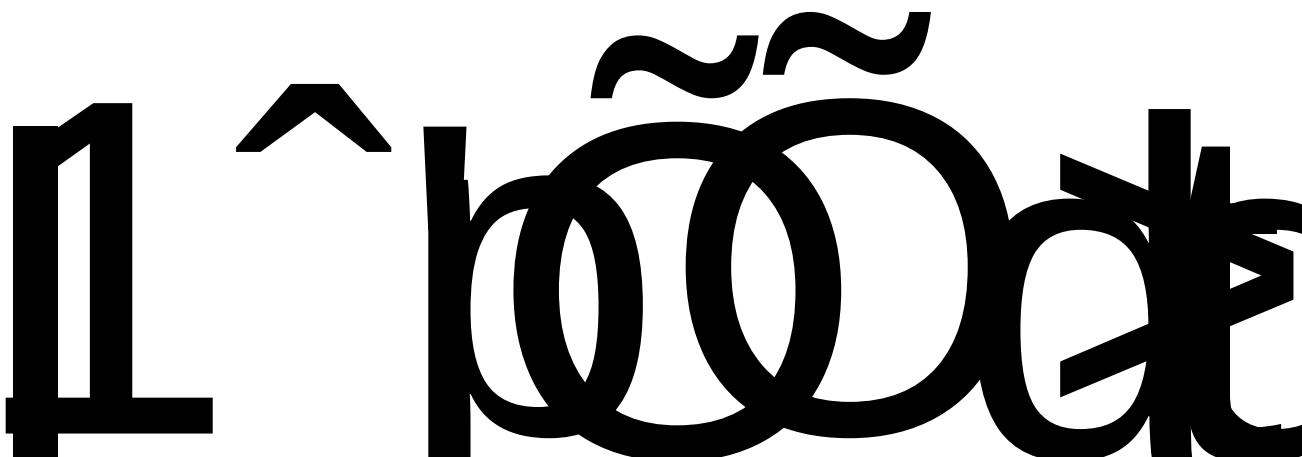
6.2.2.

Numb	Name	Object Function	Descr
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

Numb	Name	Object Function	Descr
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



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 adjustment			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	Power on/off status			1 bit	C	-	-	T	-	switch	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/heating	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	-	switch	Low
312	KNX: Channel 1	Current setpoint adjustment			2 bytes	C	-	-	T	-	temperature (°C)	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	-	switch	Low
312	KNX: Channel 1	Current setpoint adjustment			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	C	-	-	T	-	switch	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	-	switch	Low
312	KNX: Channel 1	Current setpoint adjustment			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	C	-	-	T	-	switch	Low

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 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	



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6.2.5.[illegible]



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 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 C,W,T,U	1.010 start/stop

320	Absolute volume, status	KNX: {{Channel 1}}	1byte	C,W,T,U	5.001 percentage 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 C,W,T,U	5.010 counter pulses

6.2.6.

Numb	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
311	KNX: Channel 1	PM2.5 value			2 bytes	C	-	W	T	U	pulses	Low
312	KNX: Channel 1	PM10 value			2 bytes	C	-	W	T	U	pulses	Low
313	KNX: Channel 1	VOC value			2 bytes	C	-	W	T	U	pulses	Low
314	KNX: Channel 1	CO2 value			2 bytes	C	-	W	T	U	pulses	Low
311	KNX: Channel 1	PM2.5 value			2 bytes	C	-	W	T	U	concentration (µg/m³)	Low
312	KNX: Channel 1	PM10 value			2 bytes	C	-	W	T	U	concentration (µg/m³)	Low
313	KNX: Channel 1	VOC value			2 bytes	C	-	W	T	U	concentration (µg/m³)	Low
314	KNX: Channel 1	CO2 value			2 bytes	C	-	W	T	U	partial pressure (ppm)	Low

Numb	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
314	KNX: Channel 1	CO2 value			2 bytes	C	-	W	T	U	partial pressure (ppm)	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	PM2.5 value			2 bytes	C	-	W	T	U	pulses	Low
311	KNX: Channel 1	PM2.5 value			2 bytes	C	-	W	T	U	concentration (µg/m³)	Low
316	KNX: Channel 1	PM2.5 value			2 bytes	C	-	W	T	U	concentration (µg/m³)	Low



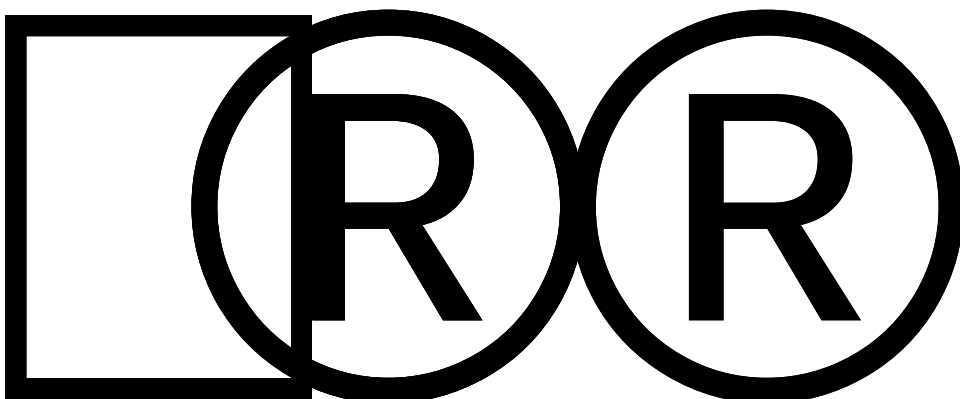
Numb	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
313	KNX: Channel 1	VOC value			2 bytes						concentration (µg/m³)	Low
316	KNX: Channel 1	Temperature value			2 bytes						temperature (°C)	Low
317	KNX: Channel 1	Humidity value			2 bytes						humidity (%)	Low

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

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

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

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





316	AQI value	KNX: {{Channel 1}}	2byte	C,W,T,U	7
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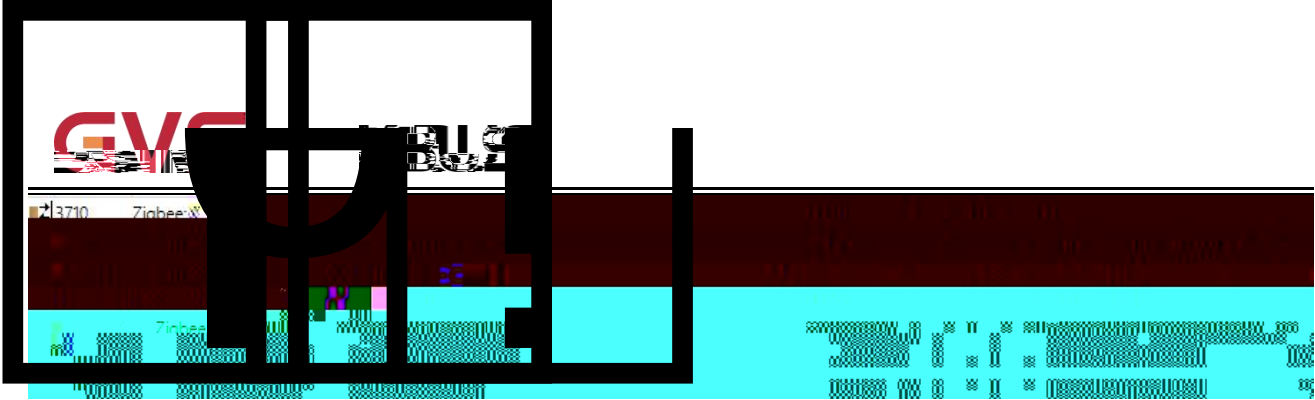
6.2.7. /

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
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
314	KNX: Channel 1	Energy value			4 bytes	C	-	W	T	U	active energy (kWh)	Low

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

6.3. “Zigbee Channel”

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
3712	Zigbee: Channel 1	VOC value			2 bytes	C	R	-	T	-	pulses	Low
3713	Zigbee: Channel 1	CO2 value			2 bytes	C	R	-	T	-	pulses	Low
3714	Zigbee: Channel 1	Formaldehyde value			2 bytes	C	R	-	T	-	pulses	Low
3712	Zigbee: Channel 1	VOC value			2 bytes	C	R	-	T	-	concentration (µg/m³)	Low
3713	Zigbee: Channel 1	CO2 value			2 bytes	C	R	-	T	-	parts/million (ppm)	Low
3714	Zigbee: Channel 1	Formaldehyde value			2 bytes	C	R	-	T	-	parts/million (ppm)	Low
3715	Zigbee: Channel 1	Temperature value			2 bytes	C	R	-	T	-	temperature (°C)	Low
3716	Zigbee: Channel 1	Humidity value			2 bytes	C	R	-	T	-	humidity (%)	Low
3710	Zigbee: Channel 1	Brightness value			2 bytes	C	R	-	T	-	lux (Lux)	Low
3710	Zigbee: Channel 1	Gas concentration value			2 bytes	C	R	-	T	-	pulses	Low
3710	Zigbee: Channel 1	Gas concentration value			2 bytes	C	R	-	T	-	parts/million (ppm)	Low
3710	Zigbee: Channel 1	Binary value			1 bit	C	R	-	T	-	switch	Low
3710	Zigbee: Channel 1	Alarm detect			1 bit	C	R	-	T	-	alarm	Low
3710	Zigbee: Channel 1	Switch			1 bit	C	-	W	-	-	switch	Low
3712	Zigbee: Channel 1	RGB dimming value			3 bytes	C	-	W	-	-	RGB value 3x(0..255)	Low
3710	Zigbee: Channel 1	Switch			1 bit	C	-	W	-	-	switch	Low
3711	Zigbee: Channel 1	Color temperature value			2 bytes	C	-	W	-	-	absolute color temperature (K)	Low
3712	Zigbee: Channel 1	Brightness value			1 byte	C	-	W	-	-	percentage (0..100%)	Low
3713	Zigbee: Channel 1	Switch, status			1 bit	C	R	-	T	-	switch	Low
3714	Zigbee: Channel 1	Color temperature, status			2 bytes	C	R	-	T	-	absolute color temperature	Low
3715	Zigbee: Channel 1	Brightness, status			1 byte	C	R	-	T	-	percentage	Low



3710	Zigbee: Channel 1-1	Open/Close	1 bit	C - W - -	open/close	Low
3711	Zigbee: Channel 1-1	Stop	1 bit	C - W - -	step	Low
3712	Zigbee: Channel 1-2	Curtain position & status	1 byte	C R W T -	percentage (0..100%)	Low
3713	Zigbee: Channel 1-2	Open/Close	1 bit	C - W - -	open/close	Low
3714	Zigbee: Channel 1-2	Stop	1 bit	C - W - -	step	Low
3715	Zigbee: Channel 1-2	Curtain position & status	1 byte	C R W T -	percentage (0..100%)	Low

3710	Zigbee: Channel 1	lux value	2 bytes	C R - T -	lux (lx)	Low
3715	Zigbee: Channel 1	temperature value	2 bytes	C R - T -	temperature (°C)	Low
3716	Zigbee: Channel 1	Humidity value	2 bytes	C R - T -	humidity (%)	Low

3712	VOC value	Zigbee: {{Channel 1}}	2byte	C,R,T	7.001 pulse 9.030 concentration(ug/m3)
3713	CO2 value	Zigbee: {{Channel 1}}	2byte	C,R,T	7.001 pulse 9.008 parts/million(ppm)
3714	Formaldehyde value	Zigbee: {{Channel 1}}	2byte	C,R,T	7.001 pulse 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) 9.004 lux(lux)
3710	Gas concentration value	Zigbee: {{Channel 1}}	2byte	C,R,T	7.001 pulse 9.008 parts/million(ppm) 9.030 concentration(ug/m3)
3710	Binary value	Zigbee: {{Channel 1}}	1bit	C,R,T	1.001 switch 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/..I

3712

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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

Page 10

Page 10



6.4. "Room temperature controller"

Numb	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
74	RTC 1	Power on/off			1	C	-	W	-	-	switch	Low
75	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
76	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
77	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
78	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
79	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
80	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
81	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
82	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
83	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
84	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
85	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
86	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
87	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
88	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
89	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
90	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
91	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
92	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
93	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
94	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
95	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
96	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
97	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
98	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
99	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low
100	Room temperature	Room temperature			1	C	-	W	-	-	temperature	Low



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



6.5. “Ventilation controller”

[illegible]



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”

[illegible]

2	Gate value select	1st /.../8th Logic	1byte	C,W	17.001 scene number
			1bit		1.001 switch
3/.../6	Input x	1st /.../8th Logic	4bit	C,W	3.007 dimming control it
			1byte		5.010 counter plus (002855)
					plus (002855)
7/.../1	Output y				
0					

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 1byte 2byte 4byte	C,W, U	3.007 dimming control 5.010 counter pulses(0..255) 7.001 pulses 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
2	1st Logic	Input 1bit-bit0			1 bit	C	-	W	-	U	boolean	Low
3	1st Logic	Input 1bit-bit1			1 bit	C	-	W	-	U	boolean	Low

Numb	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
2	1st Logic	Input 1bit-bit0			1 bit	C	-	W	-	U	boolean	Low
3	1st Logic	Input 1bit-bit1			1 bit	C	-	W	-	U	boolean	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
10	1st Logic	Output 2byte			2 bytes	C	-	-	-	-	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	counter pulses (0..255)	Low
10	1st Logic	Output 2byte			2 bytes	C	-	-	-	-	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
10	1st Logic	Output 4byte			4 bytes	C	-	-	-	-	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 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	counter pulses (0..255)	Low

Numb	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
4	1st Logic	Input 3byte			3 bytes	C	-	W	-	U	RGB value sx(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	Name	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
4	Logic	Output			1 bit	C	-	-	-	-	boolean	Low

Num	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
2	1st Logic	Input			1 byte	C	-	W	-	-	percentage (0-100%)	Low
3	2nd Logic	Gate Input			1 byte	C	-	W	-	-	boolean	Low
4	3rd Logic	Output			1 byte	C	-	-	-	-	percentage (0-100%)	Low



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	1st Logic	Output			1 bit	C	-	-	T	-	switch	Low
	1st Logic	Output			1 byte	C	-	-	T	-	counter pulses (0.255)	Low

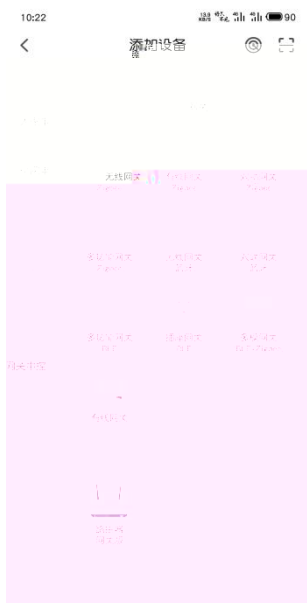


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7.1.



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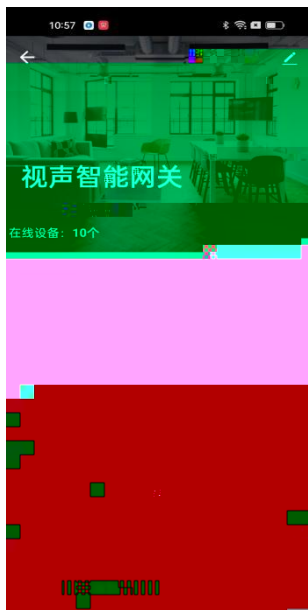
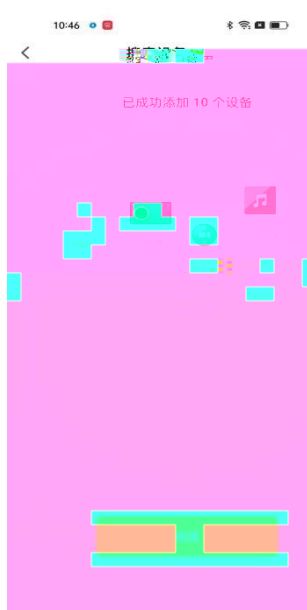
添加成功



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添加设备成功

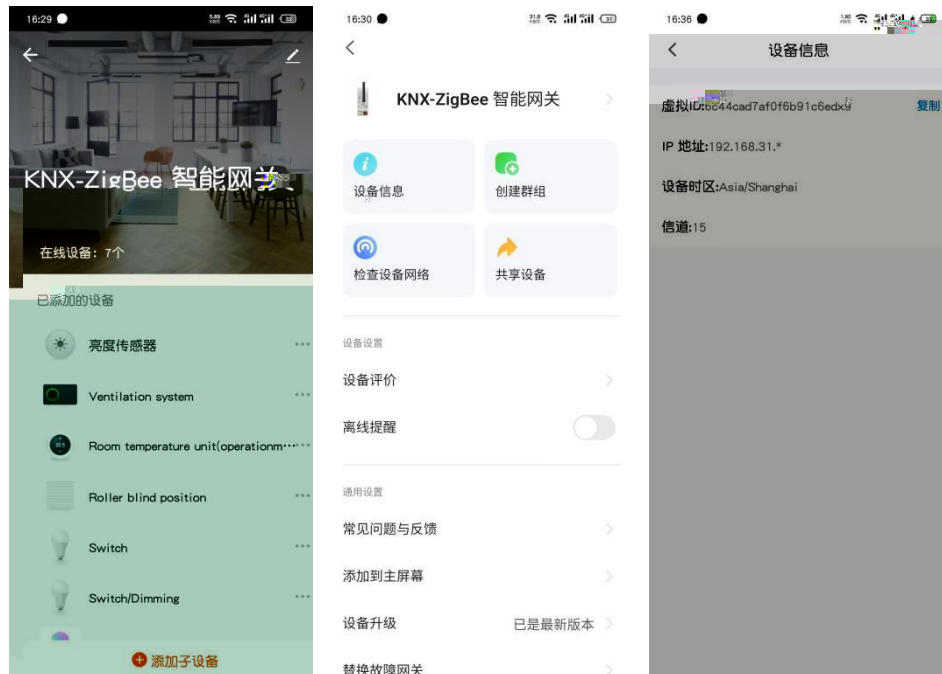
完成





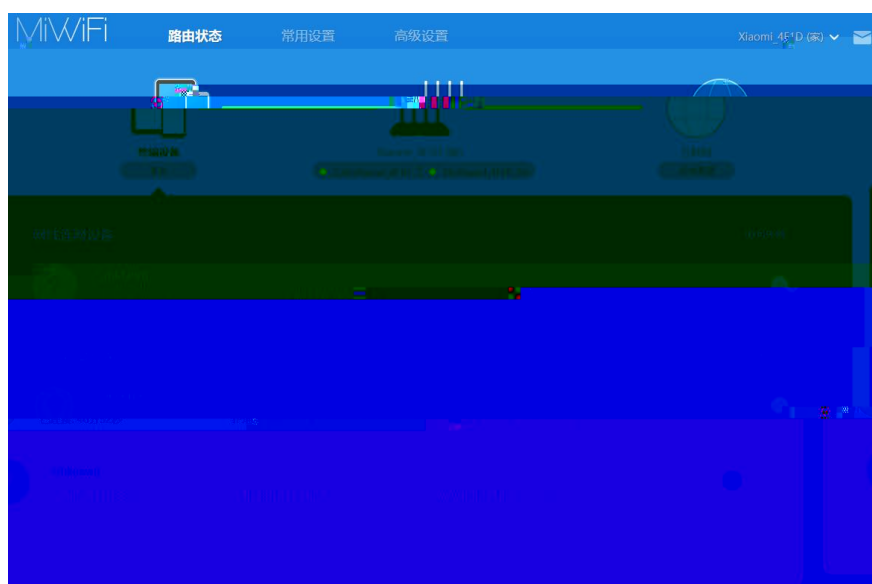


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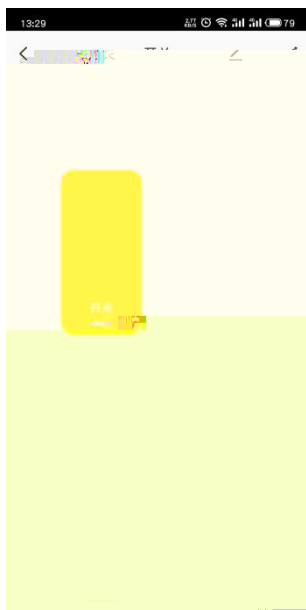


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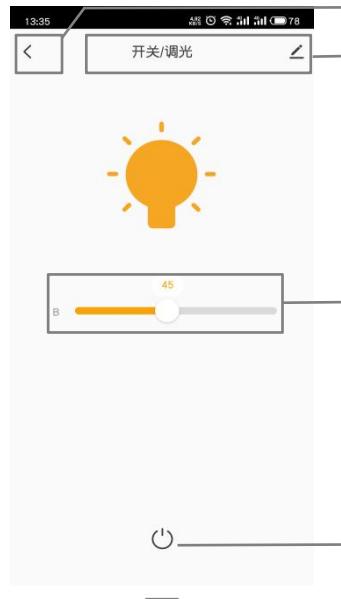
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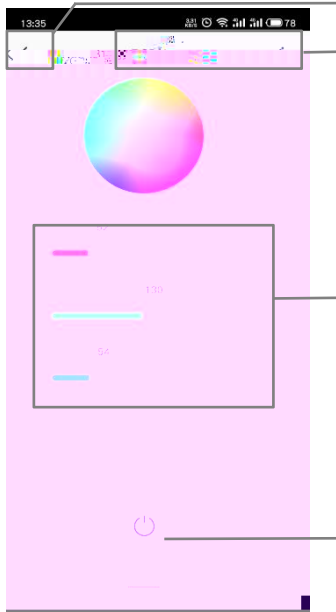
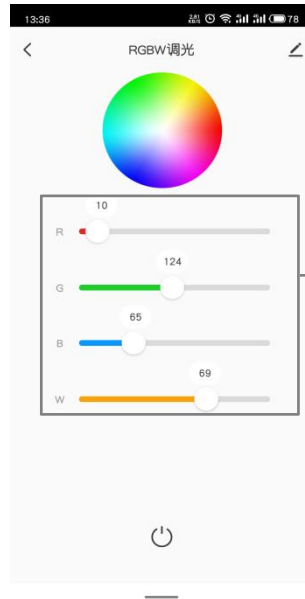
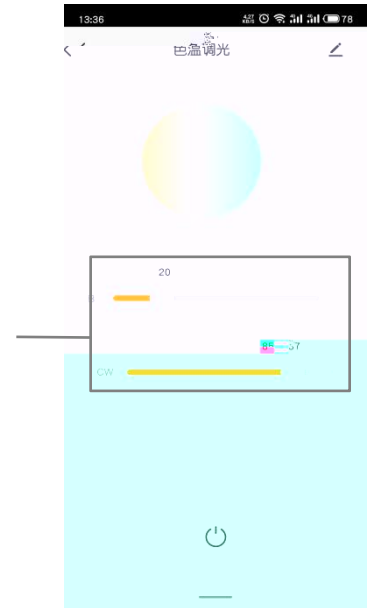
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7.4.

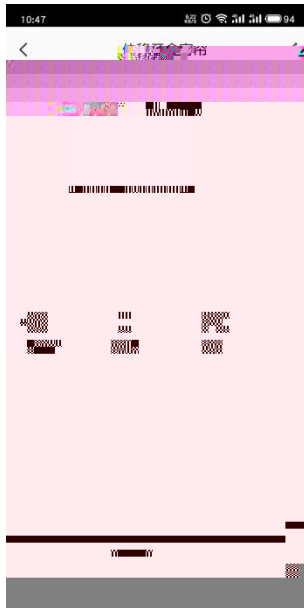
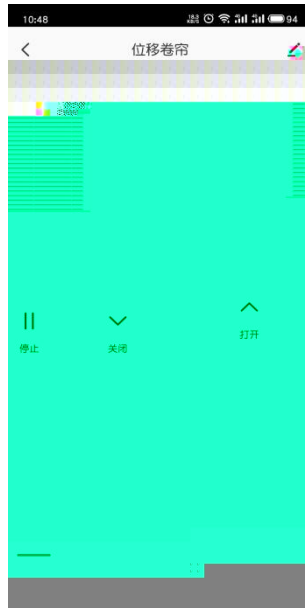
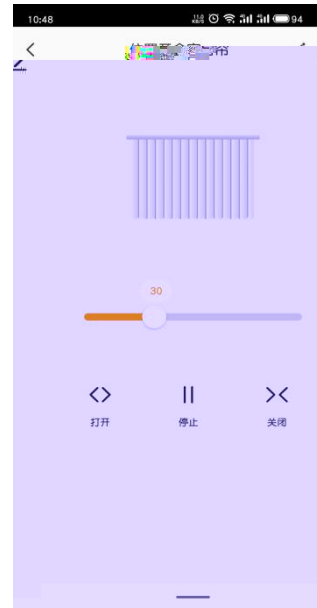
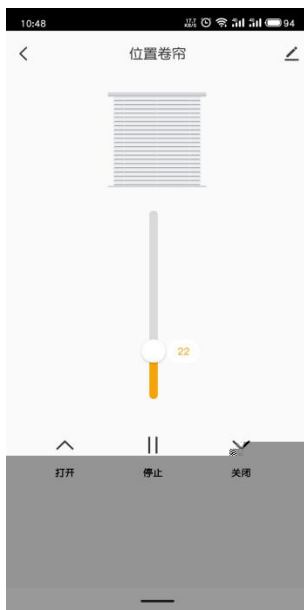
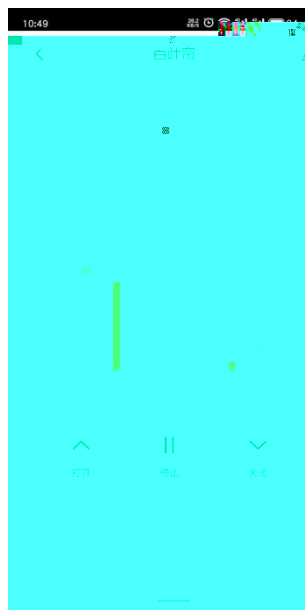


7.5.RGB





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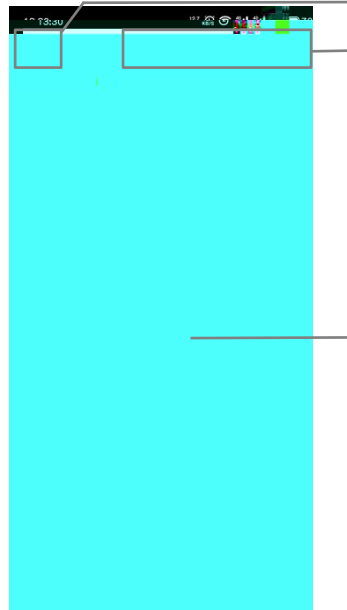
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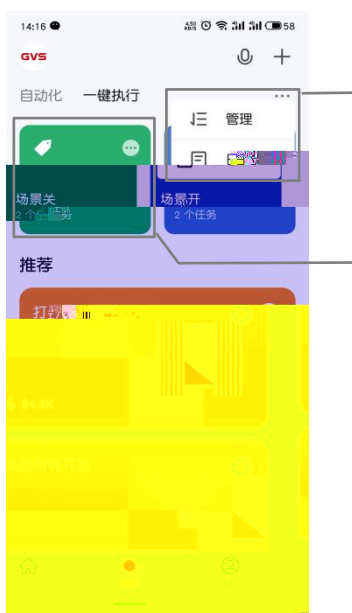
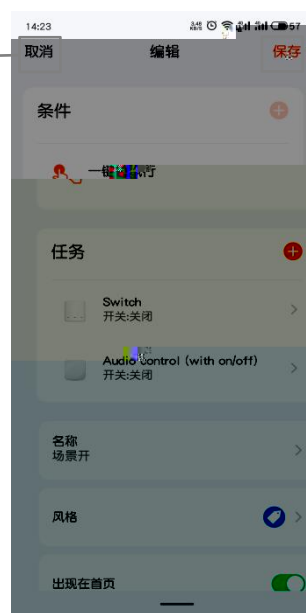


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7.8.KNX





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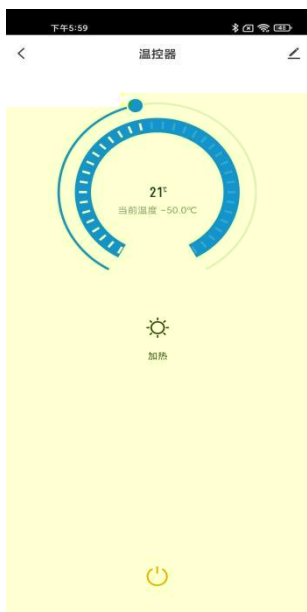
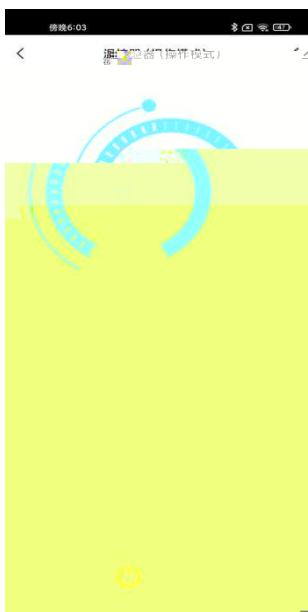
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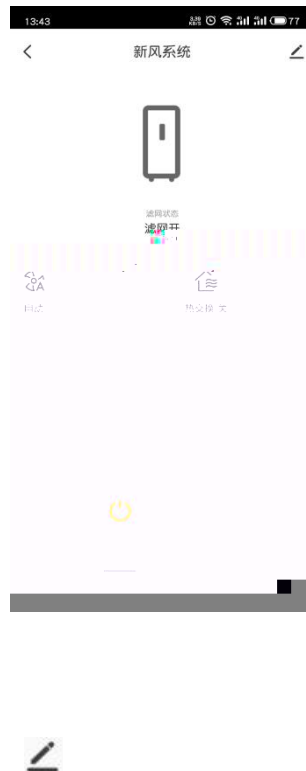


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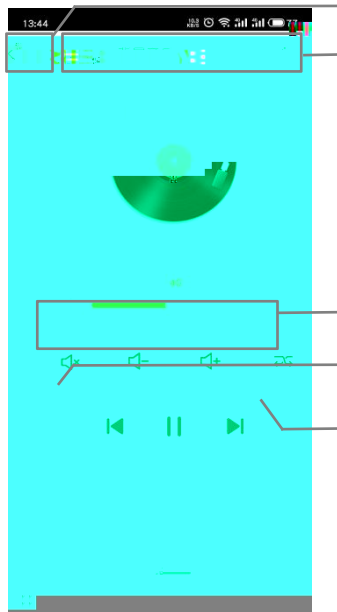
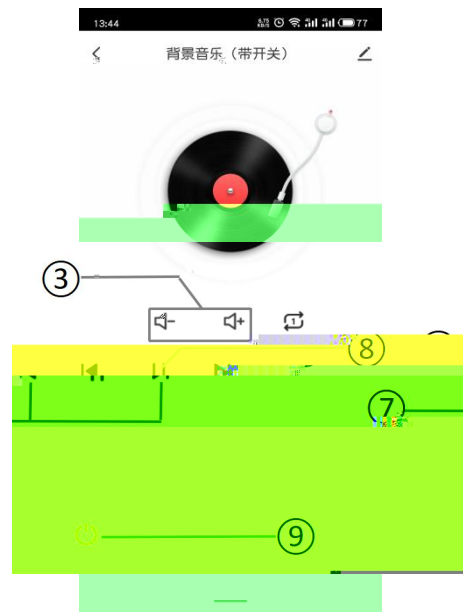
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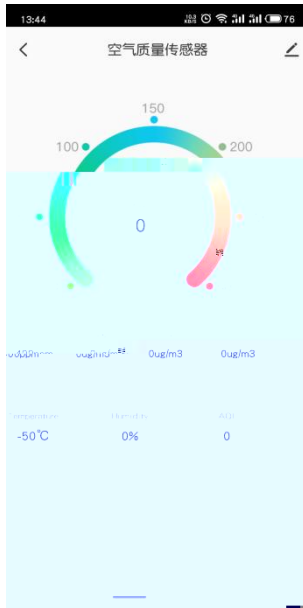
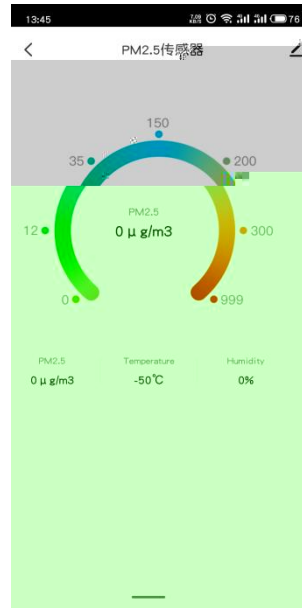
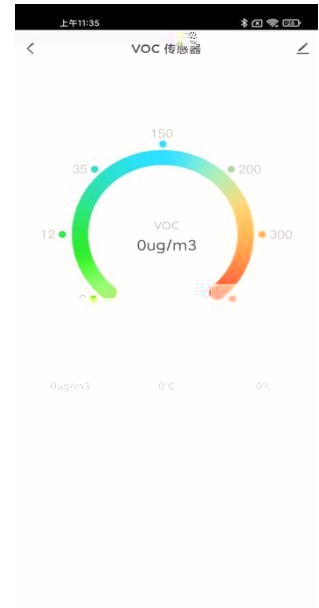
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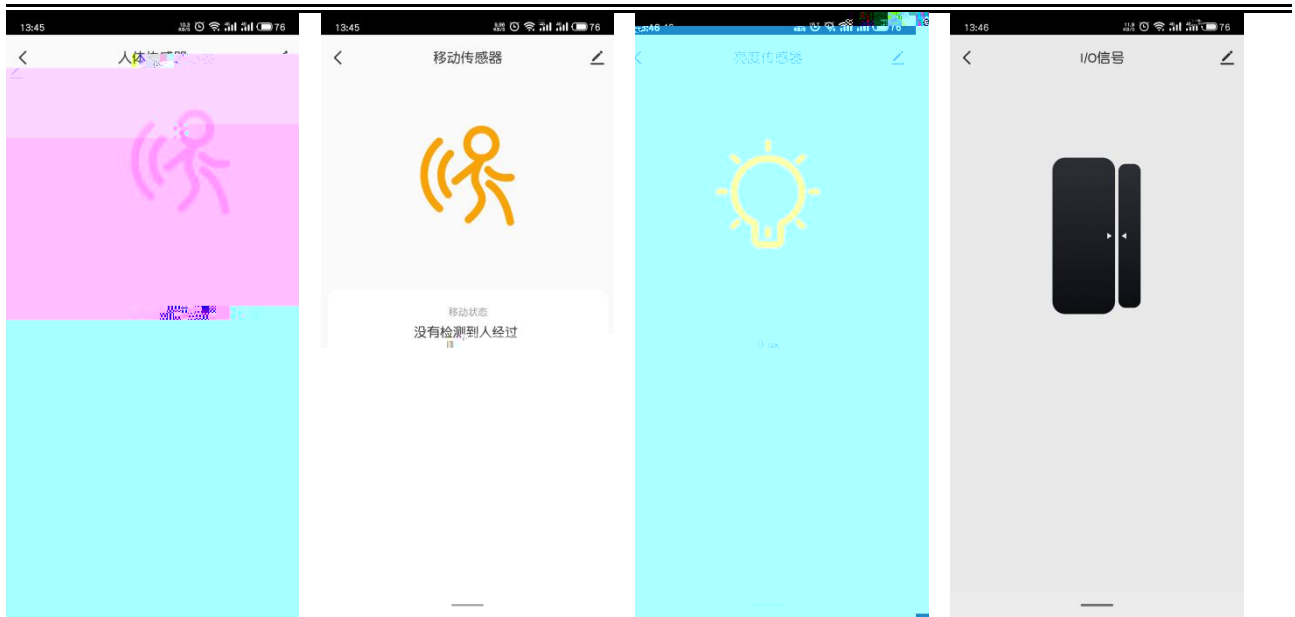


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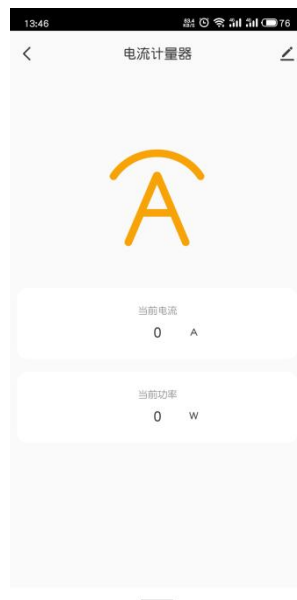


7.13.





7.14. /





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ETS

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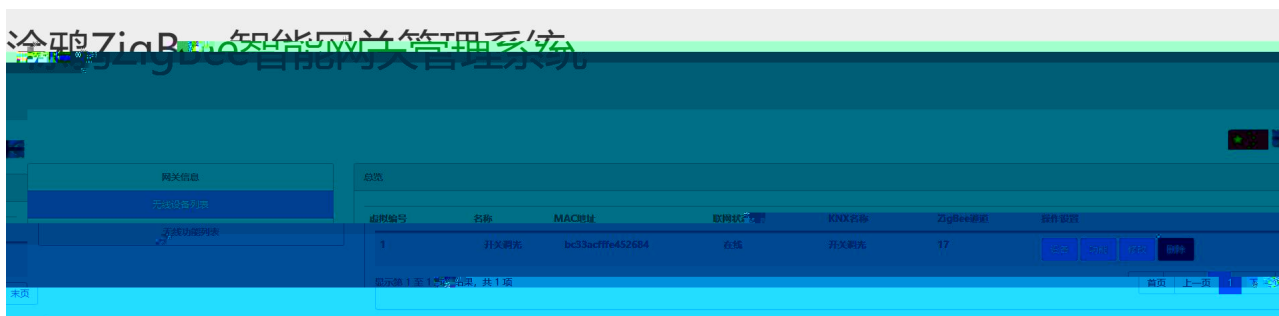


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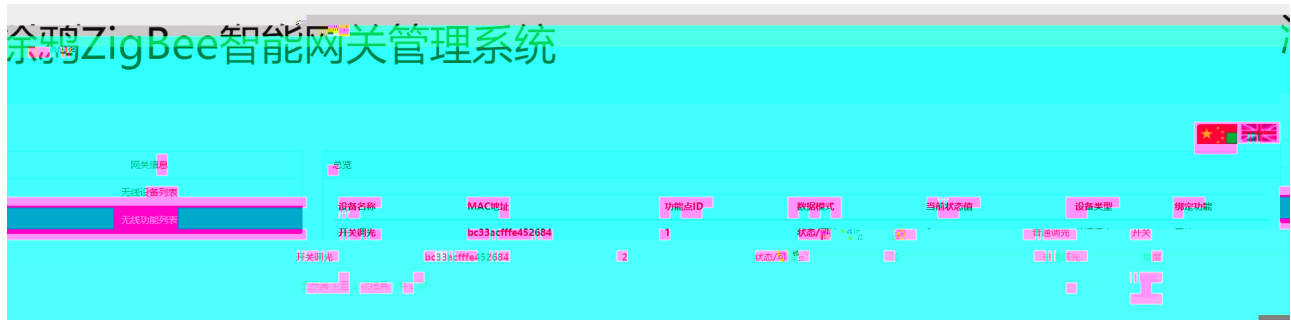




8.2.



8.3.





Description (max 24char.)

Preset Mac address of zigBee device

8 hexadecimal data format, which can get from the property of ZigBee device on App

Device type

MAC

App ZigBee

MAC

:



MAC



ZigBee



ZigBee

无线功能列表

功能点ID	属性	数据模式	当前状态值	绑定功能	操作设置
4	亮度	亮度/可控	0	亮度	亮度
5	颜色	颜色/可控	0	颜色	颜色
6	色温	色温/可控	0	色温	色温
7	开关	开关/可控	0	开关	开关
8	场景	场景/可控	0	场景	场景
9	模式	模式/可控	0	模式	模式
10	定时	定时/可控	0	定时	定时
11	联动	联动/可控	0	联动	联动
12	联动	联动/可控	0	联动	联动
13	联动	联动/可控	0	联动	联动
14	联动	联动/可控	0	联动	联动
15	联动	联动/可控	0	联动	联动
16	联动	联动/可控	0	联动	联动
17	联动	联动/可控	0	联动	联动
18	联动	联动/可控	0	联动	联动
19	联动	联动/可控	0	联动	联动
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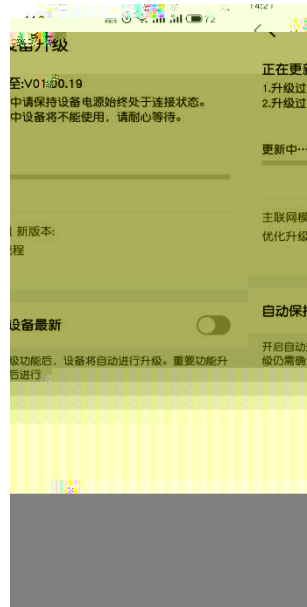
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KNX-Tuya ZigBee

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