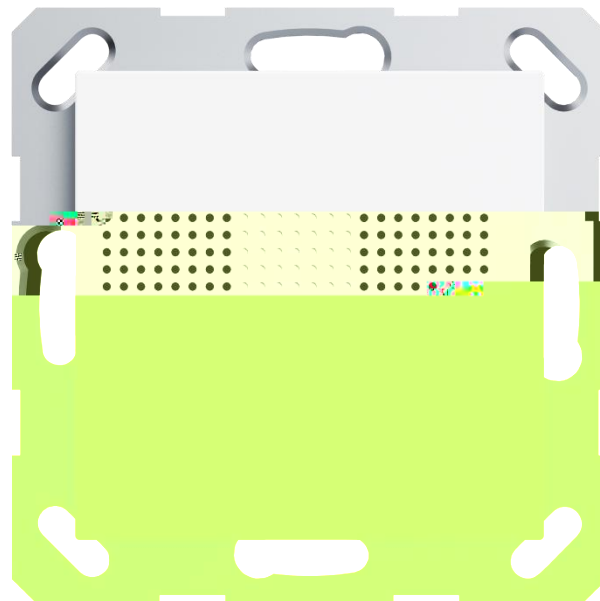


K-BUS

KNX The a L e,55 _V1.2

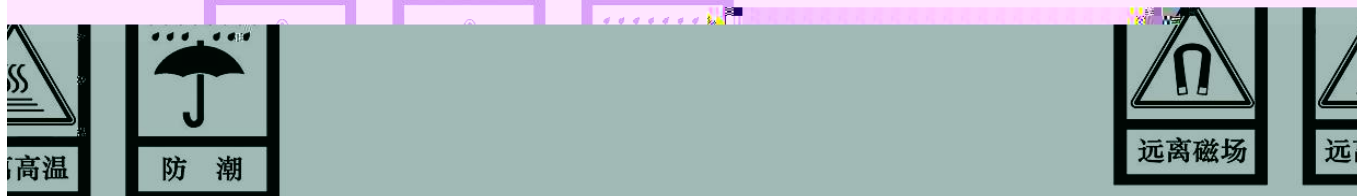
CHTL-02/00.2.00



KNX/EIB

注意事项

1、请远离强磁场、高温、潮湿等环境，



率落在地上或使之受到强力冲击；

2、不要将设备：



布或具挥发性的试剂擦拭设备；

3、不要使用湿



	-----	1
	-----	2
	-----	3
3.1.	-----	3
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	-----	4
ETS	-----	5
5.1. KNX	-----	5
5.2.	Ge e a e g -----	9
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6.3. I52

6.4. R e e a e c e 55

KNX

55mm

KNX

80

86

.knxprod

ETS

ETS5.7

- /

- 2 4

- HVAC

- 2 PI

-

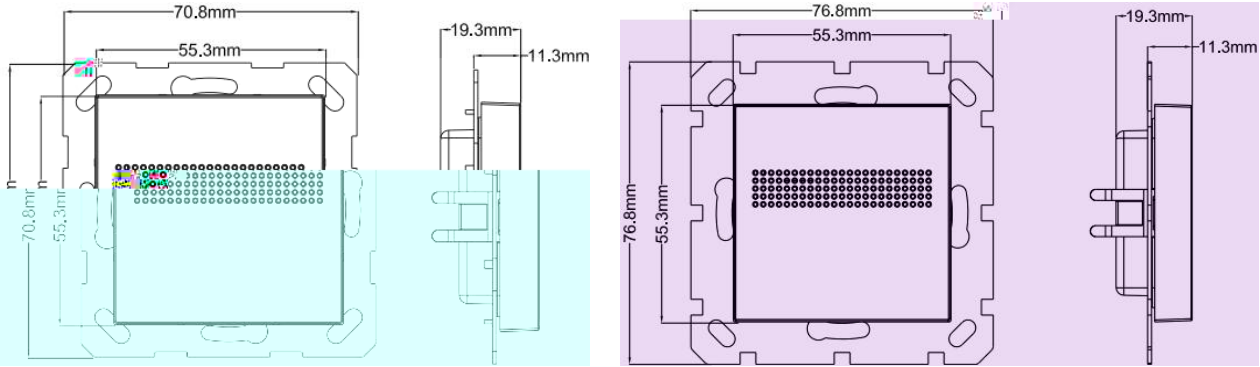
- 2 NTC

- 55mm-system

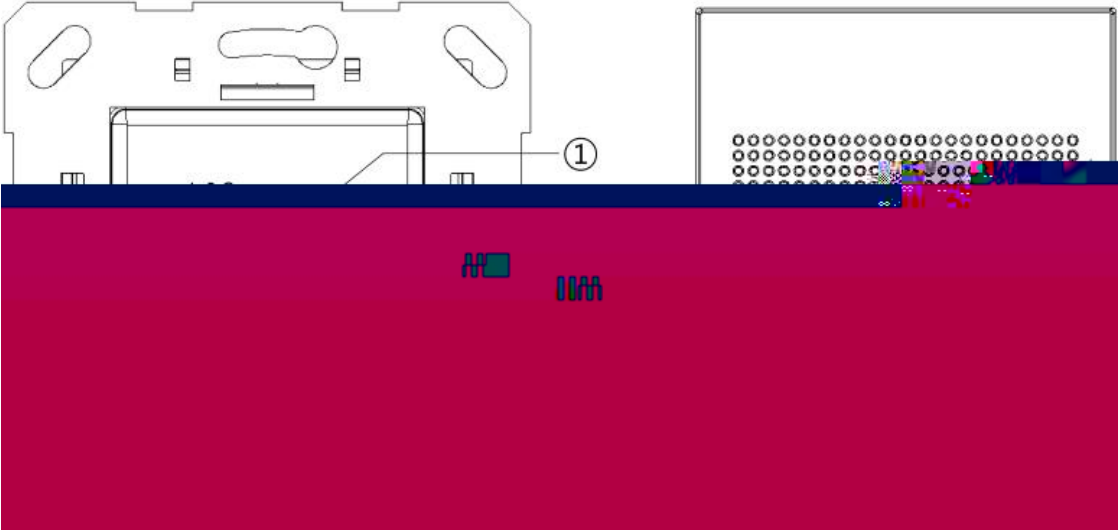
- KNX

21-30V DC, KNX	
<6mA 24V <5.5mA 30V	
<165mW	
2	10K NTC
KNX	(/)
1	3
<5m	
LED	LED
– 5 °C ... 45 °C	
– 25 °C ... 55 °C	
– 25 °C ... 70 °C	
<93%	
70.8 x 70.8 x 19.3 mm	80
76.8 x 76.8 x 19.3 mm	86
80	86
0.05kg	

3.1.



3.2.



LED

KNX

/

KNX The a L e,55 /1.0	49	100	100	100

2 /

/ /

B

/

2 PI

-10~10°C

ETS

5.1.KNX

KNX

KNX



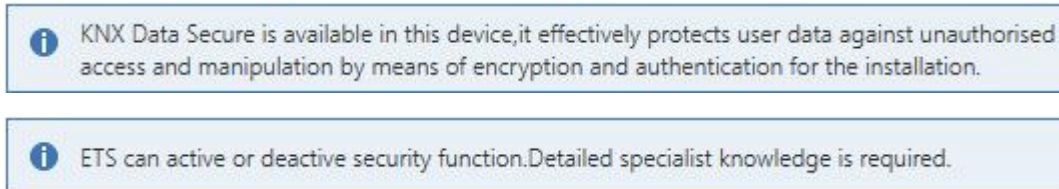
5.1 (1) "KNX Secure"

KNX

KNX

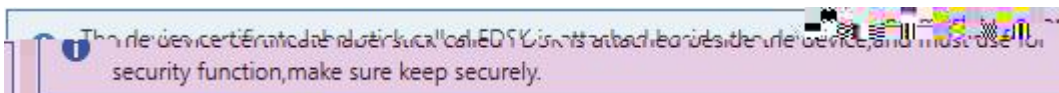
ETS

5.1(1)



KNX

ETS



FDSK

ETS



❖ KNX

KNX

❖ KNX

FDSK =

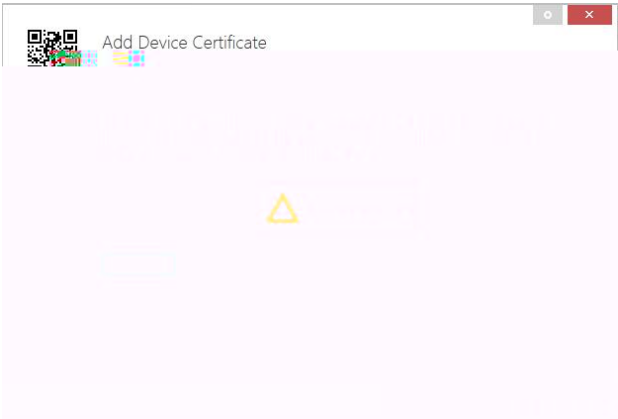
ETS

✧

ETS

5.1 (2)

QR



5.1(2) Add Device Certificate

✧

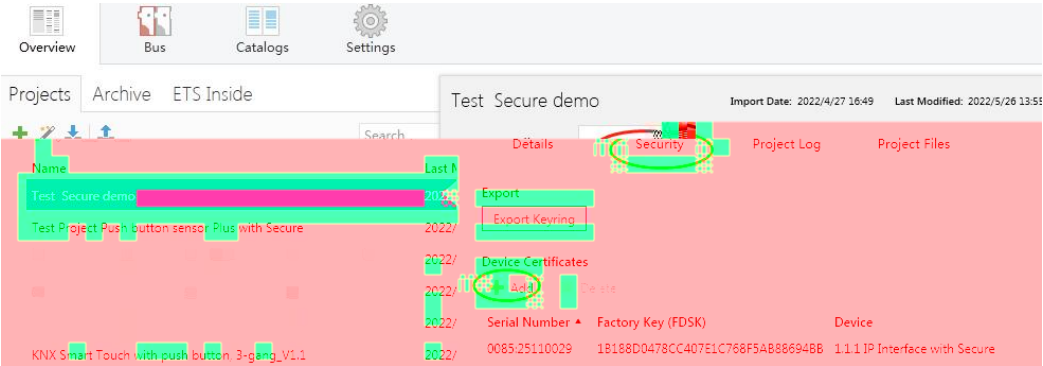
ETS

“Security”

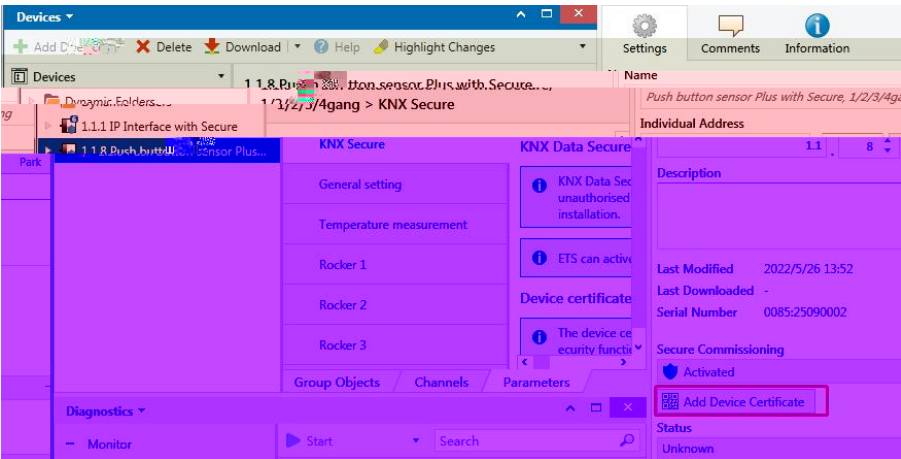
5.1(3)

“Add Device Certificate”

5.1(4)



5.1(3) Add Device Certificate



5.1(4) Add Device Certificate

✧

FDSK

FDSK

KNX

FDSK

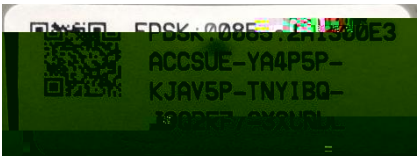
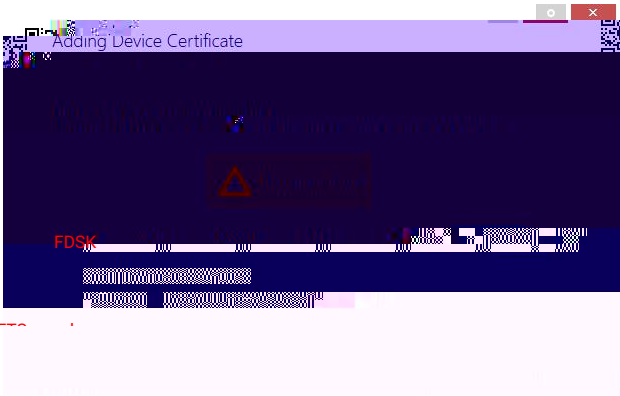
FDSK

ETS

5.1(5)

ETS

FDSK



5.1(5)

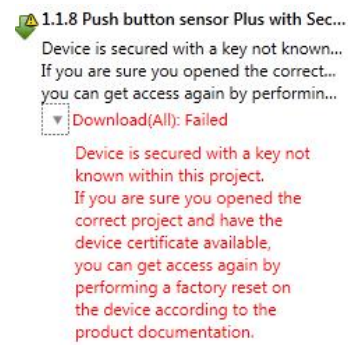
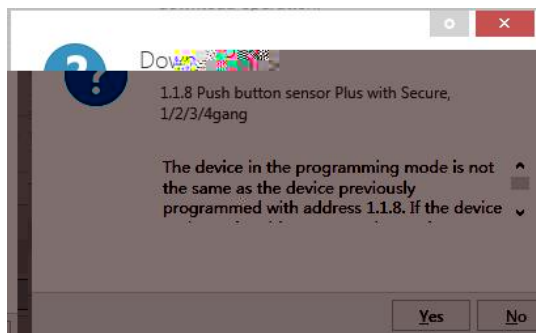
5.1(6)

“Yes”

“Add Device Certificate”

FDSK

5.1(6)



5.1(6)

FDSK

“Add Device Certificate”

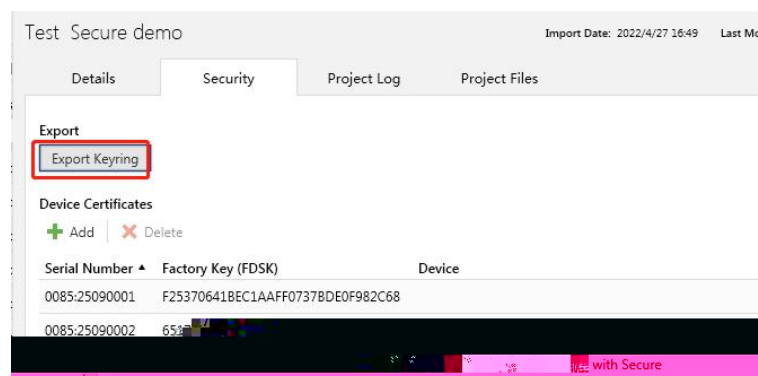


5.1(7)

ETS

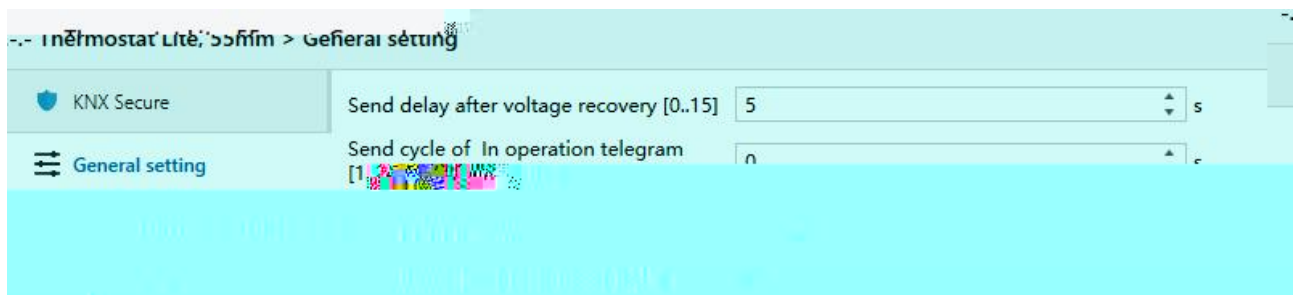
5.1(8)

.knxkeys



5.1(8)

5.2. General setting



5.2 "General setting"

Send delay after voltage recovery [0..15]

0..15

Send cycle of In operation telegram [1..240, 0= automatic]

"0" "In

operation" "0" "In operation" "1"

0 240 0=

Send delay after voltage recovery

100ms

Interface

R e e a e c e

5.3. I e a e e a e e

Thermostat Lite, 55mm > Internal temperature measurement

KNX Secure

General setting

Internal temperature me...

Input

Room temperature contro...

Temperature sensor setting

Temperature calibration 0.0 K

Send temperature when the result change by 1.0K

Cyclically send temperature [0...255,0=inactive] 10 min

Send alarm telegram for low/high temperature No respond

Humidity sensor setting

Humidity calibration 0 %

Send humidity when the result change by [0..20] 5 %

Cyclically send humidity [0..255,0=inactive] 10 min

Send alarm telegram for low/high humidity Respond after read only

Threshold value for low humidity alarm [5..20] 5 %

Threshold value for high humidity alarm [70..85] 85 %

5.3 "Internal sensor measurement"

Te e a e e e g

Te e a e c a b a

-5.0K

...

0.0K

...

5.0K

30

Se d e e a e he he e cha ge b

Disable

D ab e

0.5K

1.0K

...

10.0K

C c ca e d e e a e [0..255,0= ac e]

0

0..255

Se d a a e e g a f /h gh e e a e

/

N e d

Re d af e ead

Re d af e cha ge

No respond

Respond after read only

GVS

K-BUS

KNX/IB

“Low temperature alarm”/“High temperature alarm”

Respond after change

Low temperature alarm

High temperature alarm

alarm”

“Respond after read only”

“Respond after change”

The header area)

C c ca e d h d [0..255.0= ac e]

0

0..255

Se d a a e e g a f /h g h d

/

N e d

Re d af e ead

Re d af e cha ge

No respond

Respond after read only

“ Low humidity alarm”/“ High humidity alarm”

Respond after change

“ Low humidity alarm”/“ High humidity alarm”

“Respond after read only”

“Respond after change”

Th e h d a e f h d a a [5..20]%

5..20

Th e h d a e f h g h d a a [70..85]%

70..85

5.4. I

Thermostat Lite, 55mm > Input

KNX Secure

General setting

Function of input 1

Function of input 2

BI: Switch sensor

Temperature probe(NTC 10K)

5.4 "Input"

F c f (-1, 2)

D ab e

Te e a e be(NTC 10K)

BI: S ch e

BI: Sce e c

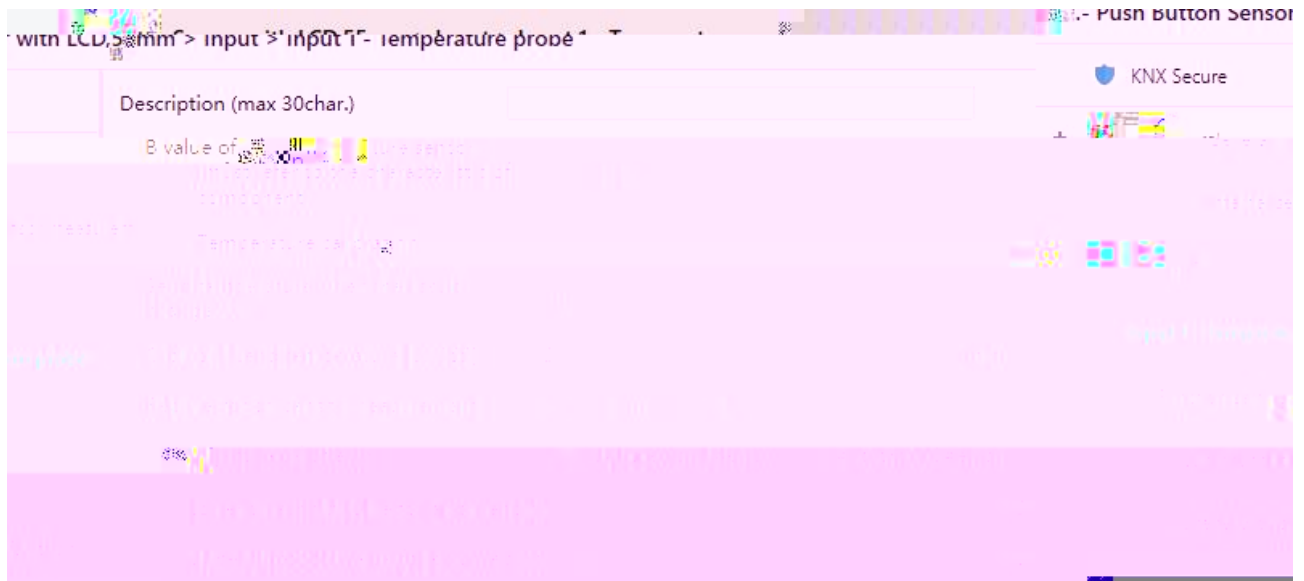
BI: Se d S g(14b e)

B

/ /

14

5.4.1.



5.4.1

De c (a 30cha)

B a e f e e a e e (e f e h e c h a a c e c f c e)

NTC B

3275

3380

...

4200

B

Te e a e c a b a

-5.0K

...

0.0K

...

5.0K

Se d e e a e he he e cha ge b

Disable

D ab e

0.5K

1.0K

...

10.0K

C c ca e d e e a e [0..255,0= ac e]

0

0..255

Re e f e ea e e

N e d

Re d af e ead

Re d af e cha ge

No respond

Respond after read only

" Temperature error report, Sensor"

Respond after change

" Temperature error report, Sensor"

“Respond after read only”

“Respond after change”

Object address

0 = error / 1 = error

1 = error / 0 = error

0=no error/1=error

0

1

1=no error/0=error

Upper hexadecimal

40 C / 45 C / 50 C / 55 C / 60 C / 70 C

Lower hexadecimal

10 C / 5 C / 0 C / -5 C / -10 C / -20 C

5.4.2.

Thermostat Lite, 55mm > Input > Input 1 - Switch sensor

KNX Secure	Description (max 30char.)	
General setting	Distinction between short and long operation	☒ No ☐ Yes
Internal temperature meas...	Reaction on close the contact	ON
Input	Reaction on open the contact	OFF
Input 1 - Switch sensor	Send object value after voltage recovery (valid if reaction is not toggle)	☐ No ☐ Yes
Input 2 - Temperature probe	Number of objects	☐ 1 ☐ 2
	Disable function	Disable

5.4.2(1)

Thermostat Lite, 55mm > Input > Input 1 - Scene control

KNX Secure	Description (max 30char.)	
General setting	Distinction between short and long operation	☐ No ☒ Yes
Internal temperature meas...	Long operation after [3..25]	5 *0.1s
Input	Connected contact type	☒ Normally open ☐ Normally closed
Input 1 - Scene control	Reaction on short operation	Recall scene
Input 2 - Temperature probe	8 bit scene number	Scene No.1
Room temperature contro...	Reaction on long operation	Store scene
	8 bit scene number	Scene No.1
	Number of objects	☒ 1 ☐ 2
	Disable function	Disable

5.4.2(2)

Thermostat Lite, 55mm > Input > Input 1 - Send String

KNX Secure	Description (max 30char.)	
General setting	Distinction between short and long operation	☒ No ☐ Yes
Internal temperature meas...	Reaction on close the contact	☐ No reaction ☒ Send Value
Input	String (14byte) value	Hello, world !
Input 1 - Send String	Reaction on open the contact	☒ No reaction ☐ Send Value
Input 2 - Temperature probe	Send object value after voltage recovery	☒ No ☐ Yes
	Disable function	Disable

5.4.2(3)

De c (a 30cha .)

D c be ee h a d g e a

N

Ye

L g e a af e [3..25]*0.1

/

3..25

C ec ed c ac e

/

N a e

N a c ed

Bl: S ch e ,

Reac h / g e a

/

N eac

OFF

ON

TOGGLE

No action

ON

OFF

TOGGLE

Reac c e/ e he c ac

/

N eac

OFF

ON

TOGGLE

Se d b ec a e af e age ec e (a d f eac gg e)

/

"TOGGLE" "No reaction"

N

Ye

Bl: Sce e c ,

Reac h / g e a

/

N eac

Reca ce e

S e c e e

Reac c e/ e h e c ac

/

N eac

Reca ce e

S e c e e

8 b ce e be

"Recall scene" "Store scene"

Sce e NO.1 64

0 63

Bl: Se d S g(14b e) ,

Reac h / g e a

/

N eac

Se d Va e

Reac c e/ e h e c ac

/

N eac

Se d Va e

S g (14b e) a e

"Send Value"

Se d b ec a e af e age ec e

/

N

Ye

N be f b ec

“Reaction on long/open operation”

“No reaction”

/

1

2

1

2

D ab e f c

/

D ab e

D ab e=1/E ab e=0

D ab e=0/E ab e=1

5.5. R e e a e c e

--- Thermostat Lite, 55mm > Room temperature controller

KNX Secure

Room temperature reference: Internal sensor combine with External sensor

General setting: Combination ratio: 50% Internal to 50% External

Internal temperature measurement: Time period for request room temperature sensor [0...255]: 10 min

Input: Send temperature when the result change by: 1.0K

Room temperature controller: Daily send temperature [0...255]: 0 min

Control value after temp. error [0...100] (if 2-point control, set value '0'=0, set value '>0'=1): 0

Heating/Cooling control: Room temperature controller

5.5.5 "Room temperature controller"

R e e a e e f e e c e f

I e a e

E e a e

I e a e c b e h E e a e

"Internal sensor measurement"

5.3

T e e d f e e e e a e e [0...255]

"...External sensor"

0..255

I e a e c b e h E e a e

C b a a

10% I e a 90% E e a

20% I e a 80% E e a

...

90% I e a 10% E e a

"40% Internal to 60% External"

40%

60%

= ×40% + ×60%

Se d e e a e he he e cha ge b

Disable

D ab e

0.5K

1.0K

...

10K

C c ca e d e e a e [0...255]

0

0..255

C a e a f e e .e [0..100]%(f 2- c , e a e '0'=0, e a e '>0'=1)

0..100

0

0

0

1

R e e a e c de

Hea g

C g

Hea g a d C g

Hea g a d C g

Hea g/C g ch e

/

5 K-BU 4/5/8

a b ec

A a c ha ge

Hea g/C g a af e d ad

RTC /

Hea g

C g

'Æt Hea g/C g a af e age ec e

RTC /

Hea g

C g

A bef e age fa e

As before voltage failure

□ □ □ □ □ □ □ □

C e a af e d ad

RTC

C f de

S a db de

Ec de

C e a af e age ec e

RTC

C f de

S a db de

Ec de

F /hea ec

A bef e age fa e

E e ded c f de [0..255,0= ac e]

>0

1bit

“Extended comfort mode”

0..255

1

1

/

1 b b e c f c f e a d e

1bit

1

0

1 b b e c f a d b d e

1bit

l a e e e a e (°C)

10.0

10.5

...

35.0

✗ 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

A a c H/C d e c h a g e e d e a d e /

U e /L e d e a d e

“Heating and Cooling” “Automatic changeover”

/

0.5K

1.0K

GVS

K-BUS

KNX/IB

...

10K

+

-

Fa eed a c f c

W d c ac f c

3V8Ñ#_>\$3 #, t3 ?g/Ep 1%ib U 9ú

□ □ □ □ □ □ □ □ □ □

De a f d c ac [0..65535]

0..65535

C e de f e d

open

/

Ec de

F /hea ec

M.../Ma...e...e...e...e[5..37]°C

5 °C

6 °C

...

37 °C

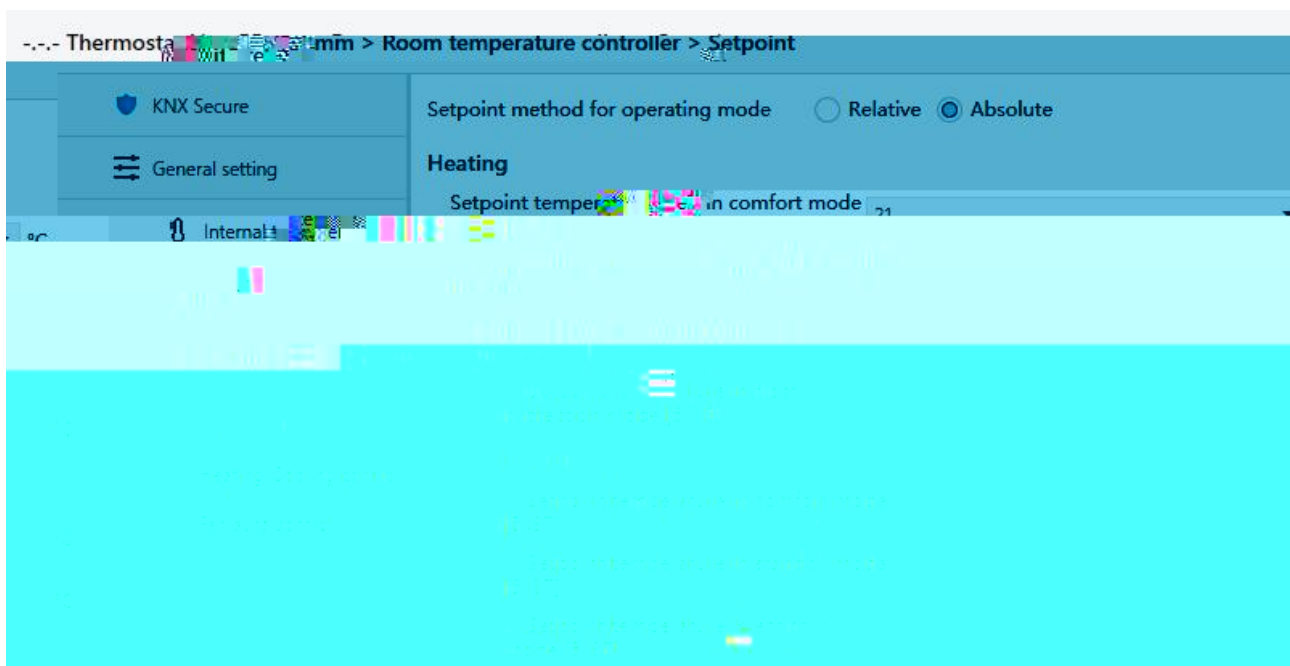
“Setpoint”

ETS

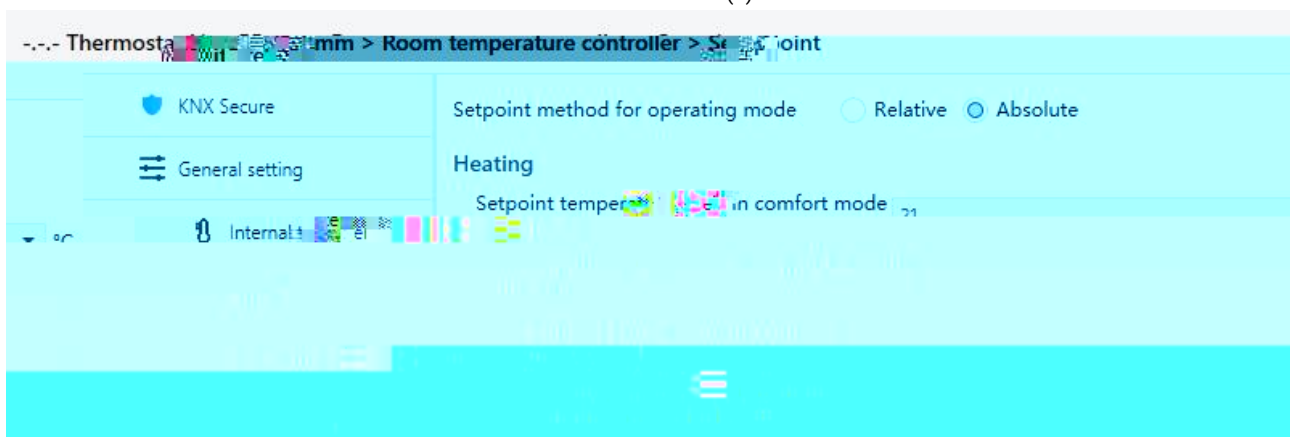
5.5.1.

Se



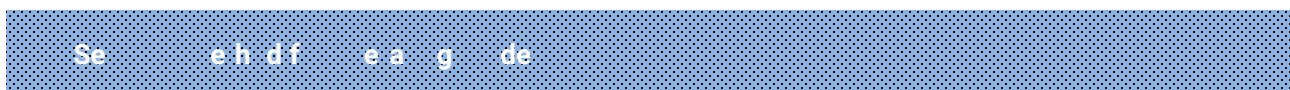


(1)



(2)

5.5.2.1.1 "Setpoint"



Relative

Absolute

Relative

Absolute

Base temperature (°C)

10.0

10.5

...

35.0

✗ 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

“Base setpoint adjustment”

= +/-

Add a float address

1bit

Disable

Enable

1bit “Setpoint offset” /

2byte “Float offset

value”

1bit “Setpoint offset reset”

2byte“Float offset value”

Se f e ff e

/

1-

0-

0.5K

1K

=

+

+

/

1b

Se

ff e

2b e

F a ff e a e

M . e ff e [-10..0]K

-10..0

Ma . e ff e [0..10]K

0..10

0

ETS

A a c H/C de cha ge e dead e (f c f de)

U e /L e dead e

“Heating and Cooling” “Automatic changeover”

0.5K

1.0K

...

10K

+

-

Red ced hea g a db de [0...10]K

I c ea ed c g a db de [0...10]K

0K

1K

...

10K

Heating

Cooling

Red ced hea g ec de [0...10]K

I c ea ed c g ec de [0...10]K

0K

1K

...

10K

Heating

Cooling

Se e e a e f ec de [5...10]°C

5 °C

6 °C

...

10 C

Se e e a e hea ec de [30...37] C

30 C

31 C

...

37 C

Se e e a e c f de [5...37] C

Se e e a e a db de [5...37] C

Se e e a e ec de [5...37] C

5 C

6 C

...

37 C

Se e e a e f ec de [5...10] C

5 C

6 C

...

10 C

Se e e a e hea ec de [30...37]°C

30 C

31 C

...

37 C

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

Hea g a d C g

,

ETS

1.

2.

3.

/

ETS

ETS

5.5.2. Heating/Cooling control

Thermostat Lite, 55mm > Room temperature controller > Heating/Cooling control

KNX Secure	Type of heating/cooling control	Switching on/off(use 2-point control)
General setting	Invert control value	☒ No ☐ Yes
Internal temperature meas...	Heating	
Input	Lower Hysteresis [0..200]	10 *0.1K
Room temperature contro...	Upper Hysteresis [0..200]	10 *0.1K

"Switching on/off(use 2-point control)"

KNX Secure	Type of heating/cooling control	Switching on/off(use 2-point control)
General setting	Invert control value	☒ No ☐ Yes
Internal temperature meas...	PWM cycle time [1..255]	15 min
Input	Heating speed	Hot water heating(5K/150min)
Room temperature contro...	Cooling speed	Cooling ceiling (5K/240min)
	Cyclically send control value [0..255]	10 min

"Switching PWM(use PI control)"

KNX Secure	Type of heating/cooling control	Continuous control(use PI control)
General setting	Invert control value	☒ No ☐ Yes
Internal temperature meas...	Heating speed	Hot water heating(5K/150min)
Input	Cooling speed	Cooling ceiling (5K/240min)
Room temperature contro...	Send control value on change by [0..100,0=inactive]	4 %
	Cyclically send control value [0..255]	10 min

"Continuous control(use PI control)"

5.5.2.1.2(1) "Heating/Cooling control"

2 4

Temperature

/

Switching on/off(use 2-point control)
 Switching PWM(use PI control)
 Continuous control(use PI control)

l e c a e

N

Ye

Yes

(2 c)

L e H e e [0...200]*0.1K

U e H e e [0...200]*0.1K

RTC

0..200

T > +

T < -

1K

2K

22°C T

24°C

T 21°C

T 21~24°C

T < -

T > +

1K

2K

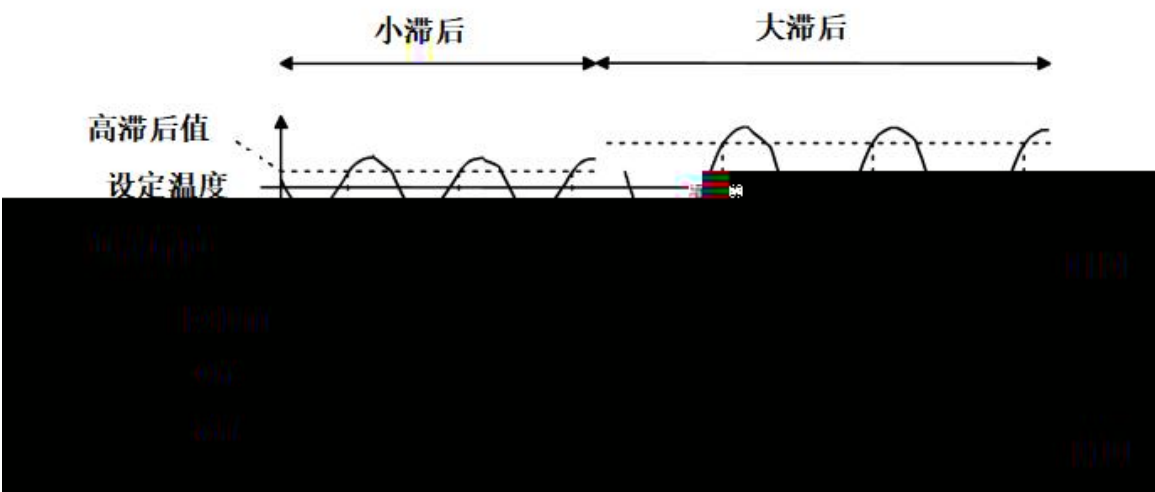
26°C T

25°C

T 28°C

T 28~25°C

- 1.
- 2.



5.5.2(2)

()

PI (PI c)

Hea g eed

C g eed

PI

H a e hea g (5K/150)

U de f hea g (5K/240)

E ec ca hea g (4K/100)

S (4K/90)

Fa c (4K/90)

U e def ed

C g ce g (5K/240)

S (4K/90)

Fa c (4K/90)

U e def ed

P a a ge [10..100]*0.1K (P a e)

Re e e [0..255] (l a e)

"User defined"

PI

PI

10..100 (P a e)

0..255 (l a e)

PWM c ce e [1..255]

"Switching PWM(use PI control)"

10min,

80%

8min

2min

/

1..255

"Switching PWM (use PI control)" "Continuous control (use PI control)"

PI

"Continuous control"

PI

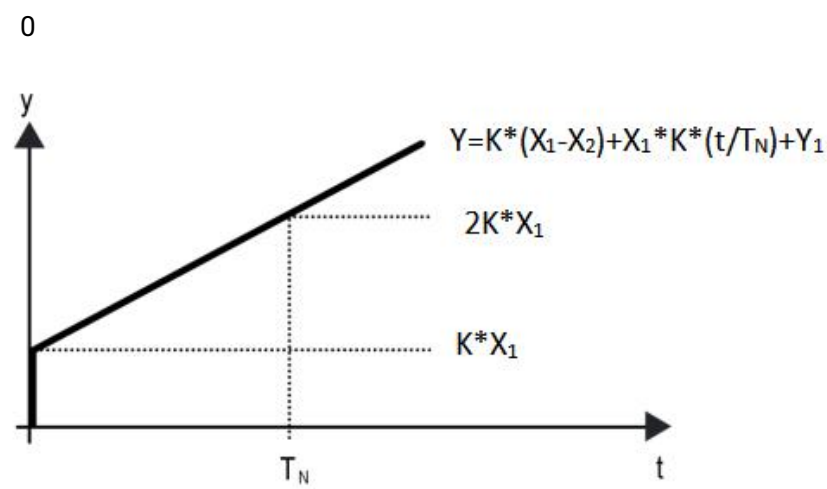
(1byte)

"Switching PWM"

PI

"on/off"

Se d c a e cha ge



5.5.2(3) PI

Y

Y1

X1 =

X2 =

T_N

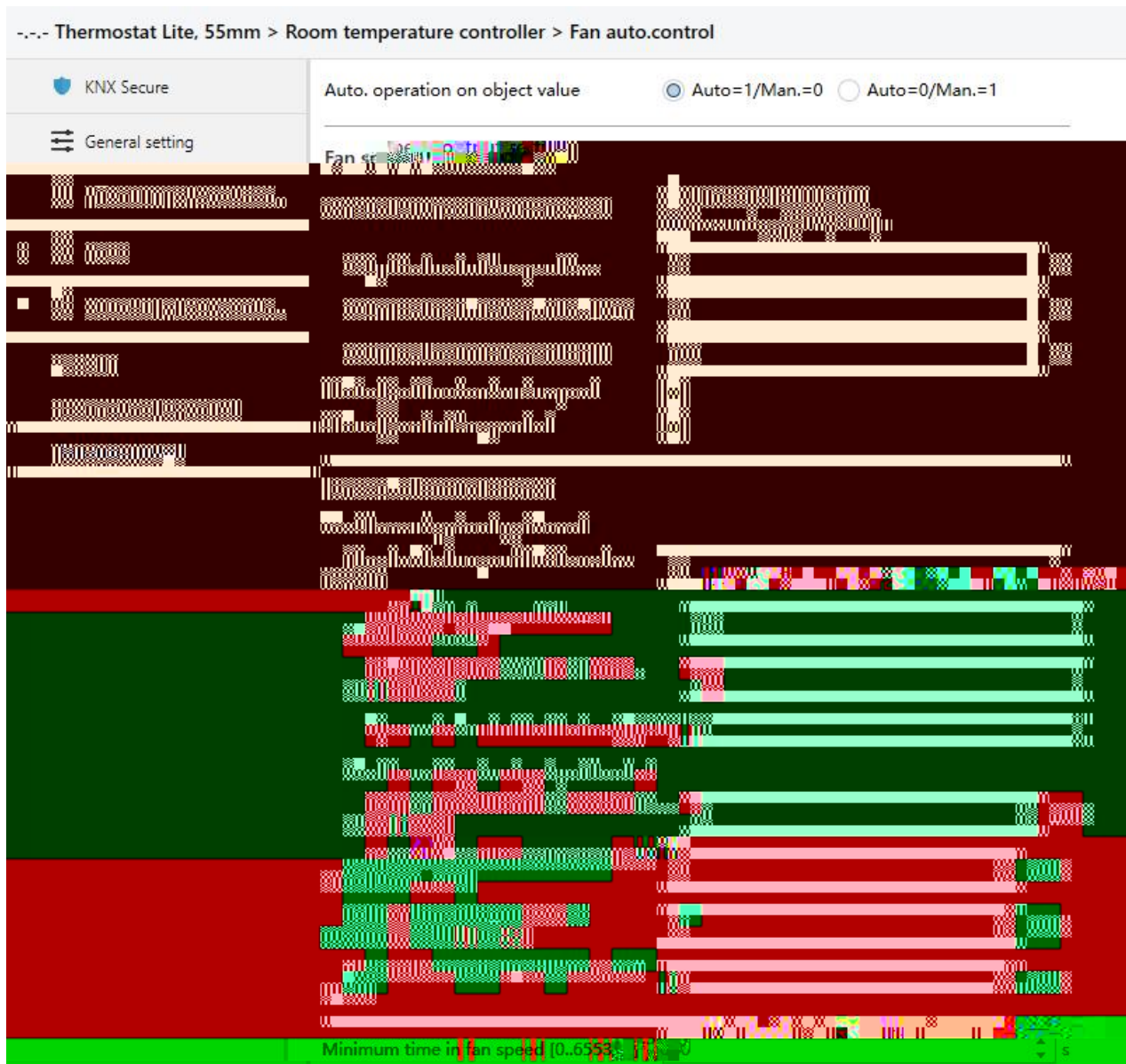
K

PI $Y=K*(X_1-X_2 +X_1*K*t/T_N+Y_1$

PI $Y=K X_1-X_2 +Y_2$

K:	
K:	
T _N :	
T _N :	

5.5.3. Fa a .c



5.3.2.3 "Fan"

A . e a b e c a e

A =1/Man . =0

A =0/Man . =1

Auto=1/Man.=0	"Fan automatic operation"	"0"	"1"
Auto=0/Man.=1	"Fan automatic operation"	"1"	"0"

Fa eed e g

Ob ec da a e f 1b e fa eed

1byte

Fa age (DPT 5.100)

Pe ce age (DPT 5.001)

0 a e f fa eed / ed /h gh

0

1..255 /1..100

1b e < < ETS

Output value for Fan speed low	33	%
Output value for Fan speed medium	32	%
Output value for Fan speed high	100	%

1b b ec f c f fa eed

1bit

1bit

1 b b e c f f a e e d f f

1bit

Threshold value speed OFF<->low
[1..255]

150

Threshold value speed low<->medium
[1..255]

50

Threshold value speed medium<->high
[1..255]

200

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

H e e h e h d a e +/-[0..50]

0..50

0

10 50 60 + 40 -

40~60 40 (

)60

C d e g f g 2- c

2-point

-

-

Te e a e d f f e e ce eed OFF<-> [1..200] *0.1K

1..200

Temperature difference speed OFF<-> ON [1..200]*0.1K

1..200

Temperature difference speed ON<->high [1..200]*0.1K

1..200

OFF<->

<->

<->

ETS

Temperature difference speed OFF<-> ON [1..200]*0.1K

Temperature difference speed [0..50]*0.1K

0..50

0

0.5°C

1°C

1.5°C

+

0.5°C

-

0.5°C~1.5°C

0.5°C

(

)1.5°C

M e f a eed [0..65535]

0..65535

0

C W R
T U

6.1. General

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	...
1	General	In operation			1 bit	C	R	-	T	-	switch	Low

6.1 "General"

					DPT
1	General	General	1b	C,R,T	1.001 ch
"1"					

6.1 "General"

6.2. Internal sensor measurement

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
5	Internal sensor	Temperature value			2 bytes	C	R	-	T	-	temperature (°C)	Low
6	Internal sensor	Low temperature alarm			1 bit	C	R	-	T	-	alarm	Low
7	Internal sensor	High temperature alarm			1 bit	C	R	-	T	-	alarm	Low
8	Internal sensor	Humidity value			2 bytes	C	R	-	T	-	humidity (%)	Low
9	Internal sensor	Low humidity alarm			1 bit	C	R	-	T	-	alarm	Low
10	Internal sensor	High humidity alarm			1 bit	C	R	-	T	-	alarm	Low

6.2 "Internal sensor measurement"

						DPT
5	Temperature value	Internal sensor	2 bytes	C,R,T	9.001	Temperature value
-50~99.8°C						
6	Low temperature alarm	Internal sensor	1b	C,R,T	1.005	Low temperature alarm
7	High temperature alarm	Internal sensor	1b	C,R,T	1.005	High temperature alarm
8	Humidity value	Internal sensor	2 bytes	C,R,T	9.007	Humidity value
0~100%						
9	Low humidity alarm	Internal sensor	1b	C,R,T	1.005	Low humidity alarm
10	High humidity alarm	Internal sensor	1b	C,R,T	1.005	High humidity alarm

6.2 "Internal sensor measurement"

6.3. I

Number	Name	Object Function	Description	Group Address
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Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
11	Input 1 - Switch sensor	Switch			1 bit	C	R	W	T	U	switch	Low
11	Input 1 - Switch sensor	Close, Switch			1 bit	C	R	W	T	U	switch	Low
12	Input 1 - Switch sensor	Open, Switch			1 bit	C	R	W	T	U	switch	Low
11	Input 1 - Switch sensor	Short, Switch			1 bit	C	R	W	T	U	switch	Low
12	Input 1 - Switch sensor	Long, Switch			1 bit	C	R	W	T	U	switch	Low
13	Input 1 - Switch sensor	Disable			1 bit	C	-	W	-	-	enable	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
11	Input 1 - Scene control	Scene			1 byte	C	-	-	T	-	scene control	Low
11	Input 1 - Scene control	Close, Scene			1 byte	C	-	-	T	-	scene control	Low
12	Input 1 - Scene control	Open, Scene			1 byte	C	-	-	T	-	scene control	Low
11	Input 1 - Scene control	Short, Scene			1 byte	C	-	-	T	-	scene control	Low
12	Input 1 - Scene control	Long, Scene			1 byte	C	-	-	T	-	scene control	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
11	Input 1 - Send String	String			14 bytes	C	-	-	T	-	Character String (ISO 8859-1)	Low
11	Input 1 - Send String	Close, String			14 bytes	C	-	-	T	-	Character String (ISO 8859-1)	Low
12	Input 1 - Send String	Open, String			14 bytes	C	-	-	T	-	Character String (ISO 8859-1)	Low
11	Input 1 - Send String	Short, String			14 bytes	C	-	-	T	-	Character String (ISO 8859-1)	Low
12	Input 1 - Send String	Long, String			14 bytes	C	-	-	T	-	Character String (ISO 8859-1)	Low
13	Input 1 - Send String	Disable			1 bit	C	-	W	-	-	enable	Low

6.3 "Input"

DPT

11	Ac a e e a e, Se	I	1 - Te e a e be	2b e	C,R,T	9.001 e e a e
----	------------------	---	-----------------	------	-------	---------------

-50~99.8°C

"Description (max 30char.)"

"Input x - ..."

12	Te e a e e e , I	1 - Te e a e be	1b	C,R,T	1.005 a a
----	------------------	-----------------	----	-------	-----------

11	S ch	I	1 - S ch e	1b	C,R,W,T,U	1.001 ch
----	------	---	------------	----	-----------	----------

11	C e/Sh , S ch	I	1 - S ch e	1b	C,R,W,T,U	1.001 ch
----	---------------	---	------------	----	-----------	----------

12	O e /L g, S ch	I	1 - S ch e	1b	C,R,W,T,U	1.001 ch
----	----------------	---	------------	----	-----------	----------

/

1

2

1	"Switch"	2	"Close/Open"
"Short/Long"			
0			
1			

11	Sce e	I 1 - Sce e c	1b e	C,T	18.001 c	ce e
11	C e/Sh , Sce e	I 1 - Sce e c	1b e	C,T	18.001 c	ce e
12	O e /L g, Sce e	I 1 - Sce e c	1b e	C,T	18.001 c	ce e

8bit		/		1
2				
1	"Scene"	2	"Close/Open"	
"Short/Long"		8bit		
8bit	(	)	FXNNNNNN	
F		'0'	'1'	
X		0		
NNNNNN		0...63		

<table><tr><td></td><td></td></tr><tr><td>0</td><td>1</td></tr><tr><td>1</td><td>2</td></tr><tr><td>2</td><td>3</td></tr><tr><td>...</td><td>...</td></tr><tr><td>63</td><td>64</td></tr><tr><td>128</td><td>1</td></tr><tr><td>129</td><td>2</td></tr><tr><td>130</td><td>3</td></tr><tr><td>...</td><td>...</td></tr><tr><td>191</td><td>64</td></tr></table> 1~640 0~631								0	1	1	2	2	3	...	...	63	64	128	1	129	2	130	3	...	...	191	64
0	1																										
1	2																										
2	3																										
...	...																										
63	64																										
128	1																										
129	2																										
130	3																										
...	...																										
191	64																										
11	S g	l 1 - Se d S g	14b e	C,T	16.001 cha ac e g (ISO 8859-1)																						
11	C e/Sh , S g	l 1 - Se d S g	14b e	C,T	16.001 cha ac e g (ISO 8859-1)																						
12	O e /L g, S g	l 1 - Se d S g	14b e	C,T	16.001 cha ac e g (ISO 8859-1)																						
/12 1“String”2“Close/Open” “Short/Long”																											
13	D ab e	l 1 - ...	1b	C,W	1.003 e ab e																						
/																											

6.3 “Input”

6.4. Room temperature controller

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
17	Room temperature controller	Power on/off			1 bit	C	R	W	-	-	switch	Low
18	Room temperature controller	External temperature sensor			2 bytes	C	-	W	T	U	temperature (°C)	Low
19	Room temperature controller	Base setpoint adjustment			2 bytes	C	-	W	-	-	temperature (°C)	Low
20	Room temperature controller	Setpoint offset			1 bit	C	-	W	-	-	step	Low
21	Room temperature controller	Float offset value			2 bytes	C	-	W	-	-	temperature difference (K)	Low
22	Room temperature controller	Setpoint offset reset			1 bit	C	-	W	-	-	reset	Low
23	Room temperature controller	Heating/Cooling mode			1 bit	C	-	W	-	-	cooling/heating	Low
24	Room temperature controller	Operation mode			1 byte	C	-	W	-	-	HVAC mode	Low
25	Room temperature controller	Comfort mode			1 bit	C	-	W	-	-	enable	Low
26	Room temperature controller	Economy mode			1 bit	C	-	W	-	-	enable	Low
27	Room temperature controller	Frost/Heat protection mode			1 bit	C	-	W	-	-	enable	Low
28	Room temperature controller	Standby mode			1 bit	C	-	W	-	-	enable	Low
29	Room temperature controller	Extended comfort mode			1 bit	C	-	W	-	-	acknowledge	Low
30	Room temperature controller	Window contact			1 bit	C	-	W	-	U	window/door	Low

6.4 "Room temperature controller"

					DPT
17	Power on/off	Room temperature controller	1b	C,W,R	1.001 ch
1--- 0---					
18	External temperature sensor	Room temperature controller	2b	C,W,T,U	9.001 temperature
-50~99.8°C					
19	Base setpoint adjustment	Room temperature controller	2b	C,W	9.001 temperature

"Current setpoint adjustment"					
"Base setpoint adjustment"					
20	Seff e	R e e a e c e	1b	C,W	1.007 e
1 0					
21	F a ff e a e	R e e a e c e	2b e	C,W	9.002 e e a e d ff e e ce
2byte					
22	Seff e e e	R e e a e c e	1b	C,W	1.015 e e
1					
23	Hea g/C g de	R e e a e c e	1b	C,W	1.100 c g/hea g
1 0					
24	O e a de	R e e a e c e	1b e	C,W	20.102 HVAC de
25	C f de	R e e a e c e	1b	C,W	1.003 e ab e
26	Ec de	R e e a e c e	1b	C,W	1.003 e ab e
27	F /Hea ec de	R e e a e c e	1b	C,W	1.003 e ab e

28	S a d b d e	R e e a e c e	1b	C,W	1.003 e a b e
1byte 24 1- 2- 3- 4- 1bit 25 26 27 28 "1" 1bit 0 1bit "1" 0					
29	E e d e d c f d e	R e e a e c e	1b	C,W	1.016 a c e d g e
1 0 1 1 /					
30	F a a a c e a	R e e a e c e	1b	C,W	1.003 e a b e
1 0					
31	W d c a c	R e e a e c e	1b	C,W,U	1.019 W d /d
1 0					

32	P e e ce de ec	R e e a ec e	1b	C,W,U	1.018 cc a c
1 0					
33	Ac a e e a e, a	R e e a ec e	2b e	C,R,T	9.001 e e a e
34	Ba e e e a e e , a	R e e a ec e	2b e	C,R,T	9.001 e e a e
= 19 +					
35	Se ff e, a	R e e a ec e	2b e	C,R,T	9.002 e e a e d ffe e ce
36	C e e e a e e , a	R e e a ec e	2b e	C,R,T	9.001 e e a e
37	Hea g/C g de, a	R e e a ec e	1b	C,R,T	1.100 c g/hea g
38	O e a de, a	R e e a ec e	1b e	C,R,T	20.102 HVAC de
39	C f de, a	R e e a ec e	1b	C,R,T	1.003 e ab e
40	Ec de, a	R e e a ec e	1b	C,R,T	1.003 e ab e
41	F /Hea ec de, a	R e e a ec e	1b	C,R,T	1.003 e ab e

42	S a d b d e, a	R e e a e c e	1b	C,R,T	1.003 e a b e
1byte 38 1- 2- 3- 4- 1bit 39 40 41					
42 "1" 1bit 0 1bit 1					
43	Hea g/C g c a e Hea g c a e	R e e a e c e	1b 1b e	C,R,T	1.001 S ch 5.001 e c e a g e
44	C g c a e	R e e a e c e	1b 1b e	C,R,T	1.001 S ch 5.001 e c e a g e
45	Fa eed	R e e a e c e	1b e	C,T	5.001 e c e a g e 5.100 fa a g e
46	Fa eed	R e e a e c e	1b	C,T	1.001 ch
47	Fa eed ed	R e e a e c e	1b	C,T	1.001 ch
48	Fa eed h gh	R e e a e c e	1b	C,T	1.001 ch
49	Fa eed ff	R e e a e c e	1b	C,T	1.001 ch
1bit 46 47					

