

KBUS KNX

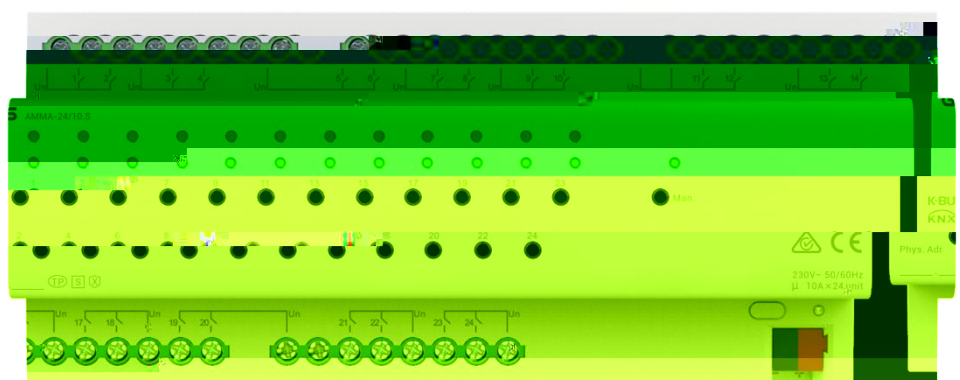
Multifunctional Actuator with Secure, 4/8/16/24-Fold_V1.6

AMMA-04/06.S

AMMA-08/10.S

AMMA-16/10.S

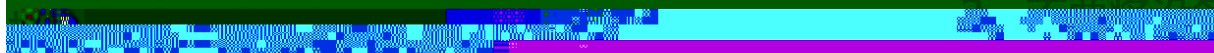
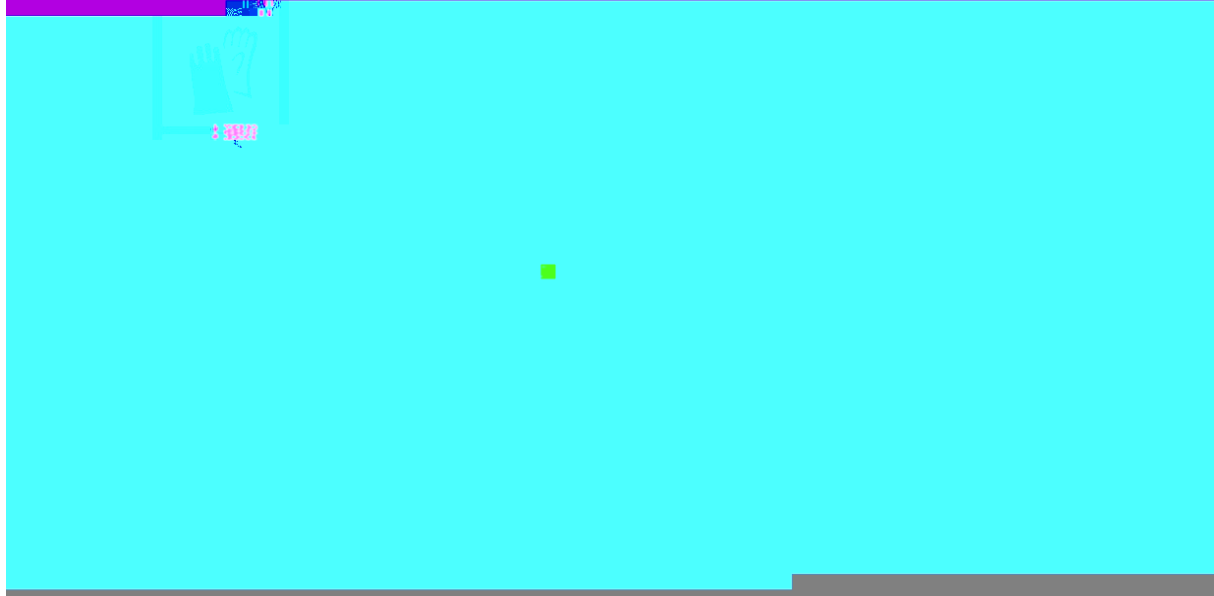
AMMA-24/10.S



KNX/EIB

注意事项

1、请远离强磁场、高温、潮湿等环境；



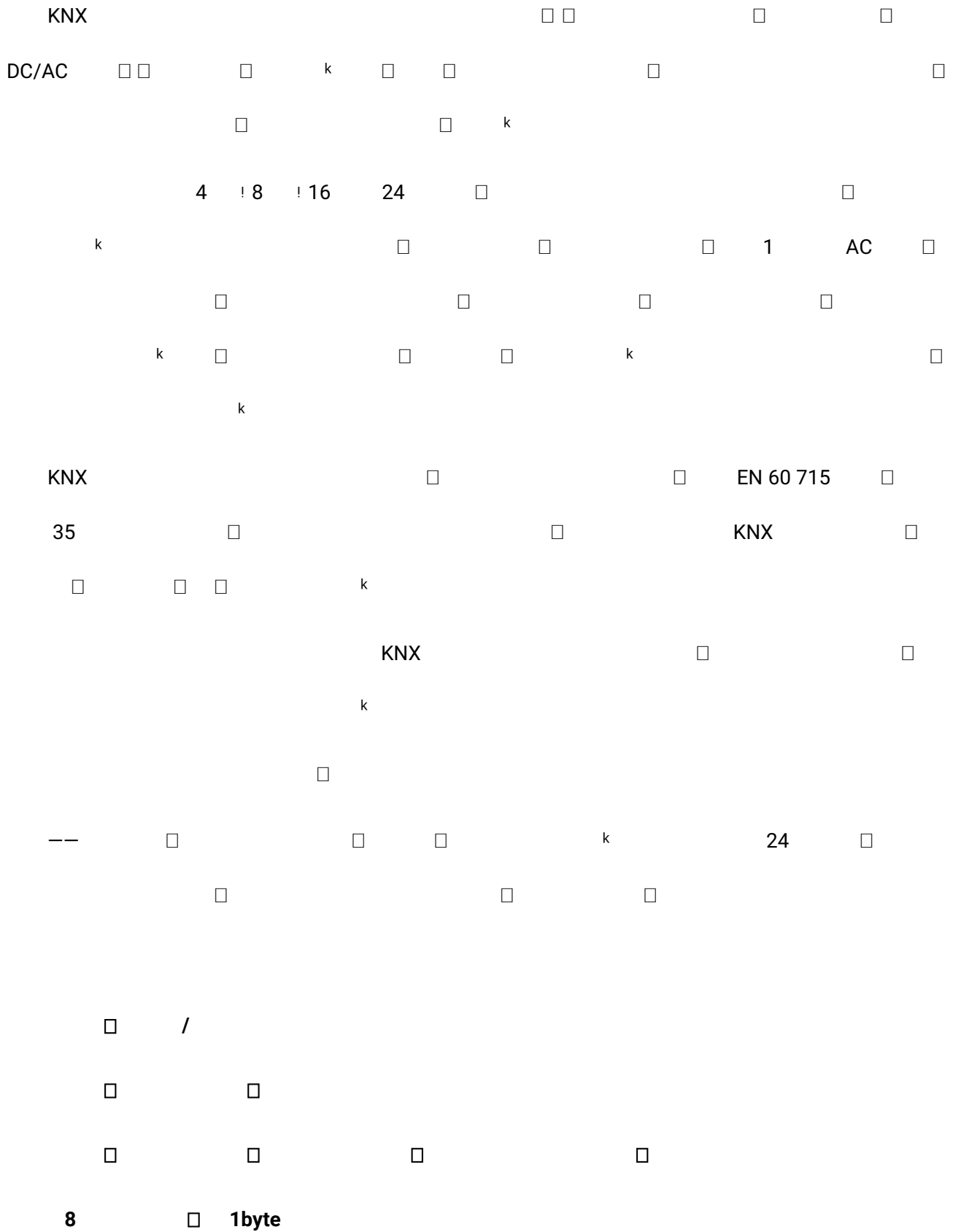
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KNX/EIB

KNX





KNX/E

KNX



1bit/2bit



--

AC/DC



12

AC

230 V AC 370W 4/8-Fold

1000W(16/24-Fold)



6

DC



k



k

AC

DC



AC



DC



/

/



□ □ □

KNX/EIB

KNX



KNX/EIB

KNX

□

□

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kn prod

ETS (

ETS5

□ k

□ □

□ □ □ □ □



KNX/EIB

KNX

1.AMMA-04/06

30V DC □ KNX

9mA/24V □ 8mA/30V

240mW

20mA

KNX

□ / □ □ □ 0.8 mm Ø

0.2-2.5mm² □

0.4N-m

□ LED

LED

LED

/

/ LED

□ IP 20, EN 60 529

-5, ...+45,

-25, ...+55,

-25, ...+70,

<93% □ □ □

□ □

□

35mm DIN

□ DIN EN 60 715

36 90 64mm



KNX/EIB

KNX

2.2.AMMA-08/10.S

21 30V DC □		KNX	
10mA/24V □ 9mA/30V			
270mW			
22mA			
KNX		□ / □ □ □ 0.8 mm Ø	
		0.2-2.5mm ² □	
		0.4N-m	
□		LED	
LED			
LED			
/		/	
/		LED	
/		/	
□	IP 20, EN 60 529		
		-5, ...+45,	
		-25, ...+55,	
		-25, ...+70,	
		<93% □ □ □	
□ □		□	
		35mm DIN	
		□ DIN EN 60 715	
		72 90 64mm	
		0.30kg	
8	/4	AC	/2
		DC	/2
□	/2	4	□
			□
U _n □	230V AC □ 50/60H □		
I _n □	10A		
		192A/1.2ms	
		> 1 10 ⁶	
□ □ □		> 5 10 ⁴	



KNX/EIB

KNX

	2300W	>20000
	2300W	>5000
	1840W	>6000
	1150W	>6000
	600W	>20000
LED □ 260A/120 s□	450W	>30000



k



k

M Itif nctional Act ator ith Sec re, 8-Fold/3.0	532	1000	1000	300

2.3.AMMA-16/10.S

		21 30V DC □		KNX	
		10mA/24V □ 9mA/30V			
		270mW			
		24mA			
KNX		□ / □ □ □ 0.8 mm Ø			
		0.2-6.0mm ² □		0.8N-m	
□		LED			
		LED			
		LED			
/		/			
/		LED		/	
□		IP 20, EN 60 529			
		-5, ...+45,			
		-25, ...+55,			
		-25, ...+70,			
		<93% □ □ □			
□ □		□			
		35mm DIN		□ DIN EN 60 715	
		216 90 64mm			
		0.70kg			
16		/8		AC /4 DC /4 □ /8 ! 2	
□		/4 4 □		□	
U _n □		230V AC □ 50/60H □			
I _n □		10A			
		300A/2ms			
		> 1 10 ⁶			
□ □ □		> 10 ⁵			



KNX/EIB

KNX

2300W

>30000

2300W

>5000

2300W

>5000

2000W

>5000

2300W

>5000

□ □

>



KNX/EIB

KNX

2.



KNX/EIB

KNX

	2300W	>30000
	2300W	>5000
	2300W	>5000
	2000W	>5000
	2300W	>5000
	2000W	>5000
	1000W	>6000
LED □ 260A/120 s□	450W	>30000



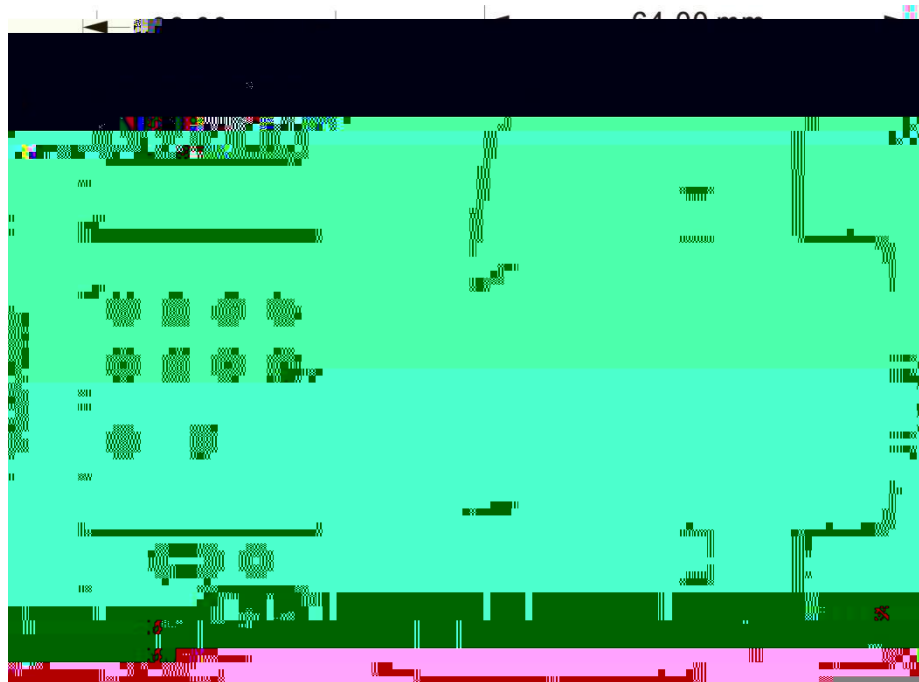
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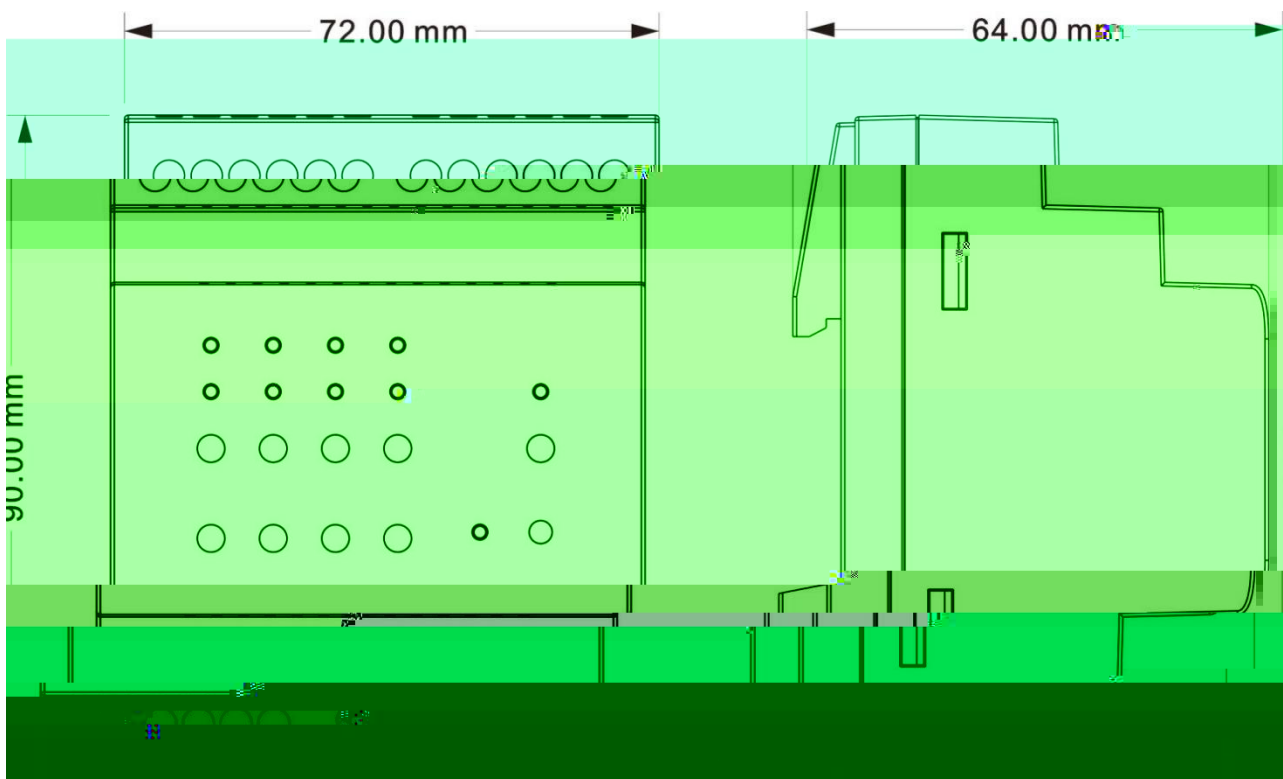
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M Itif nctional Act ator ith Sec re, 24-Fold/3.0	532	1000	1000	700

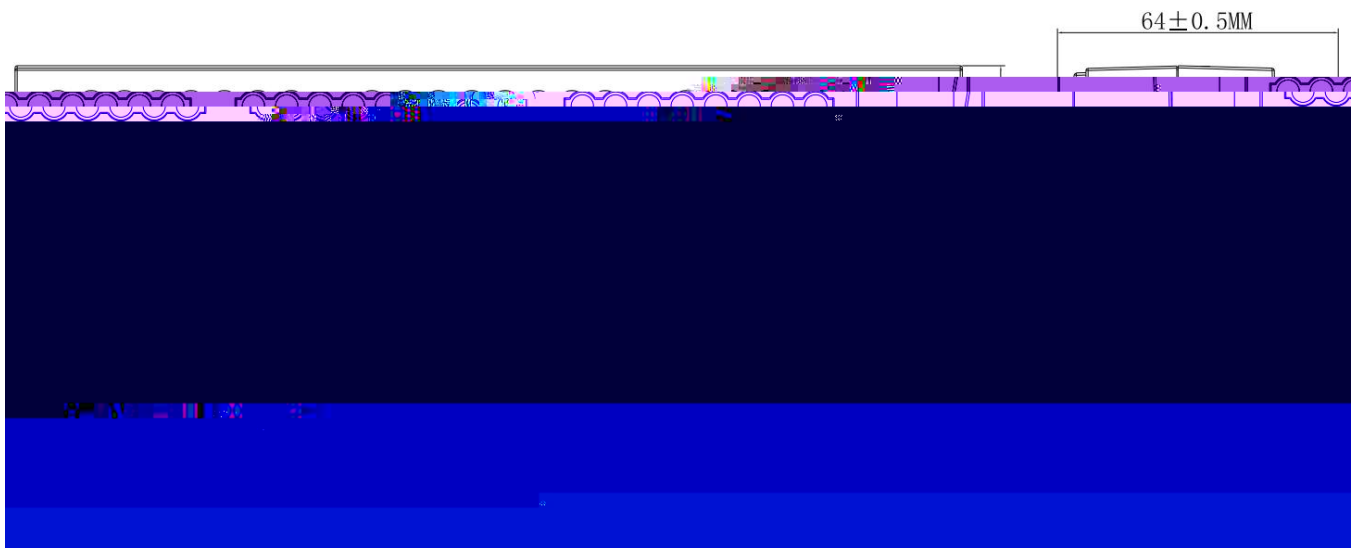
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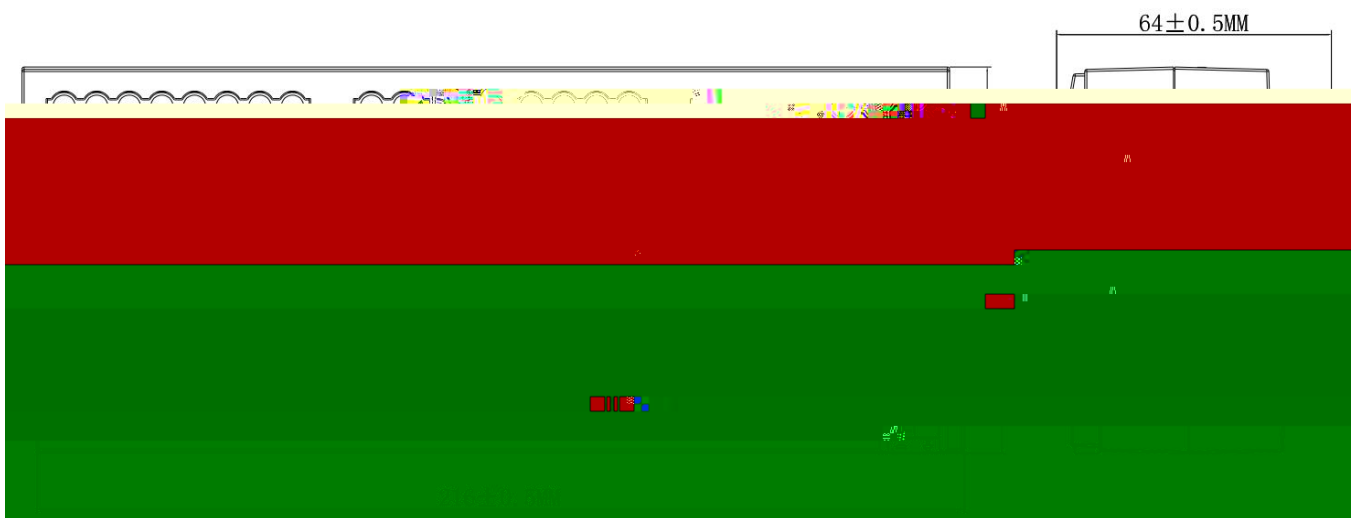
AMMA-04/06.S



AMMA-08/10.S



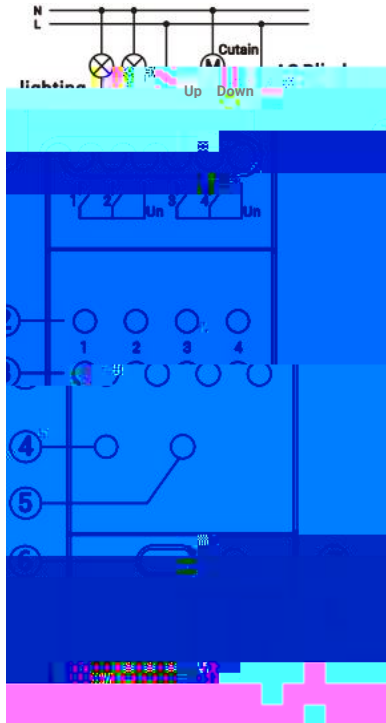
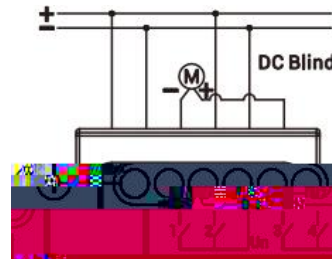
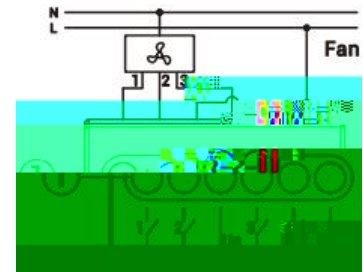
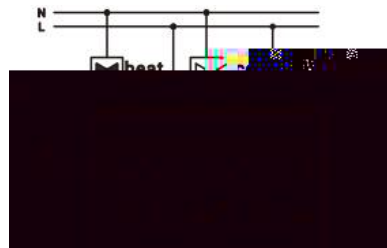
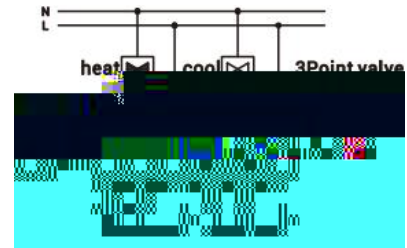
AMMA-16/10.S



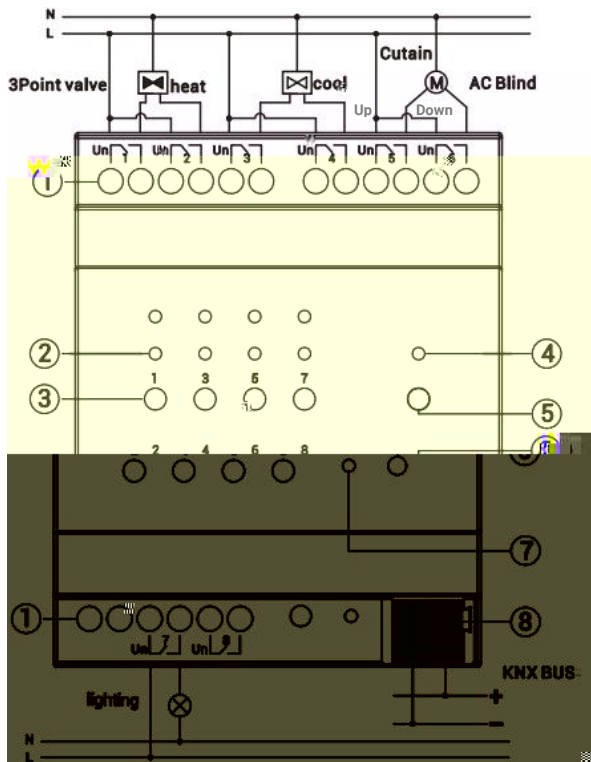
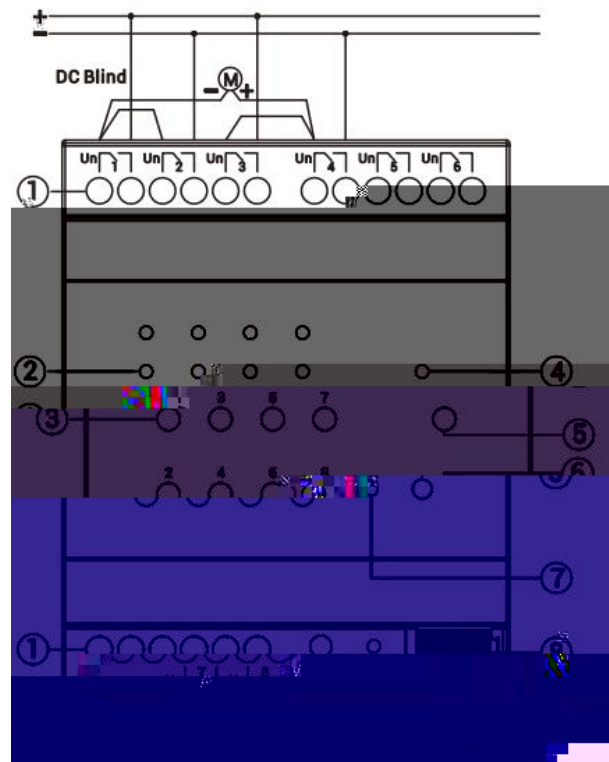
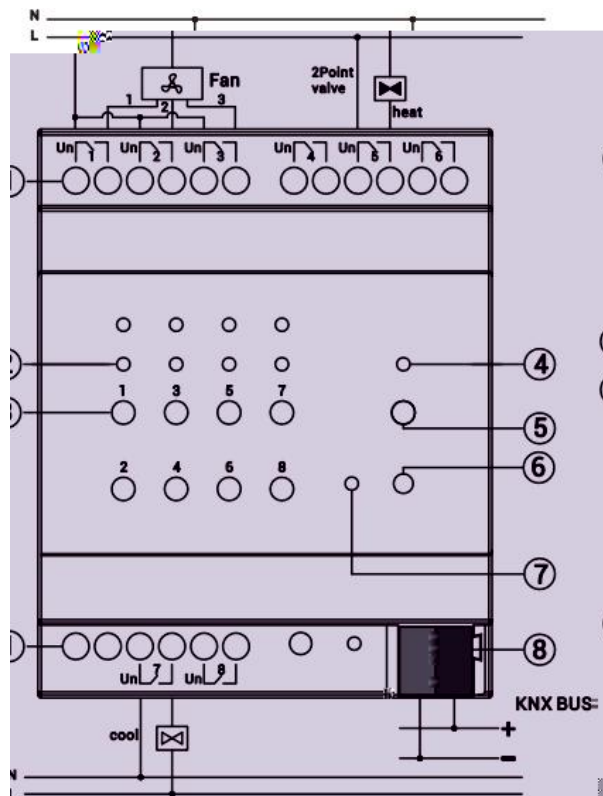
AMMA-24/10.S

3.2.

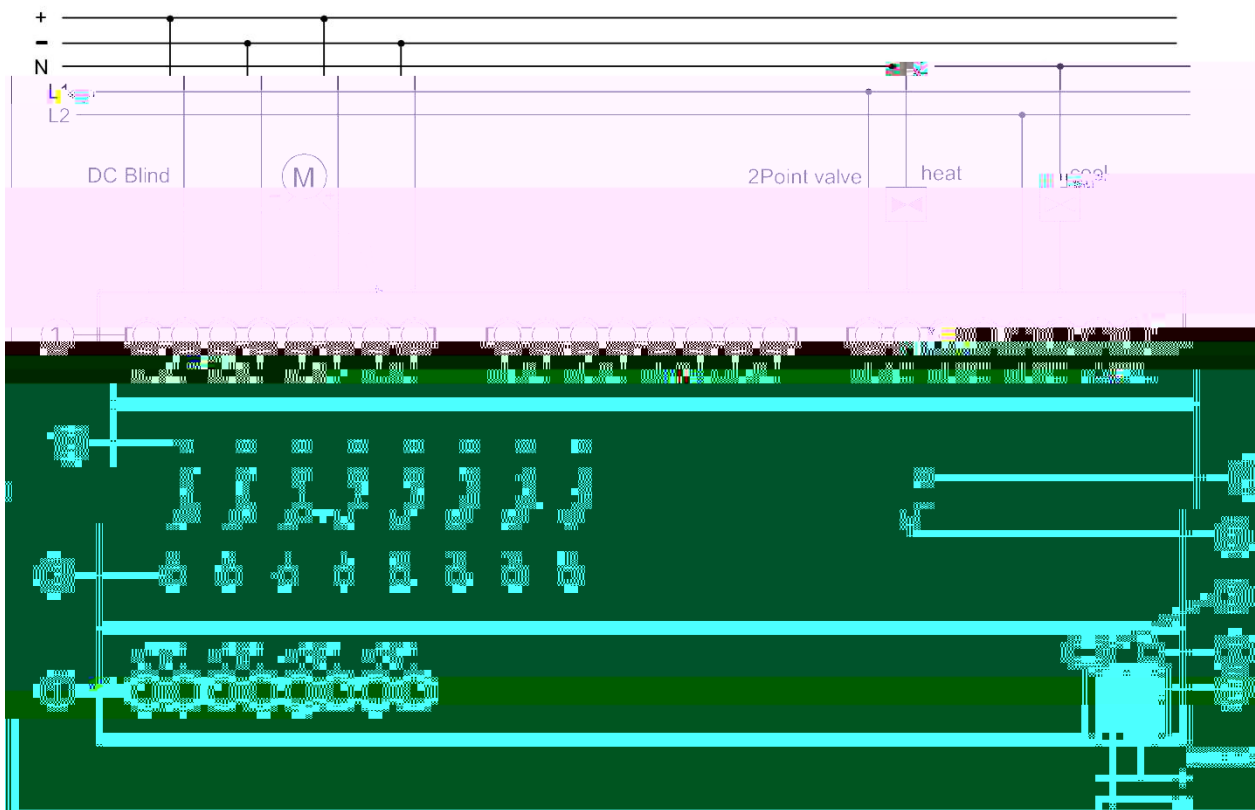
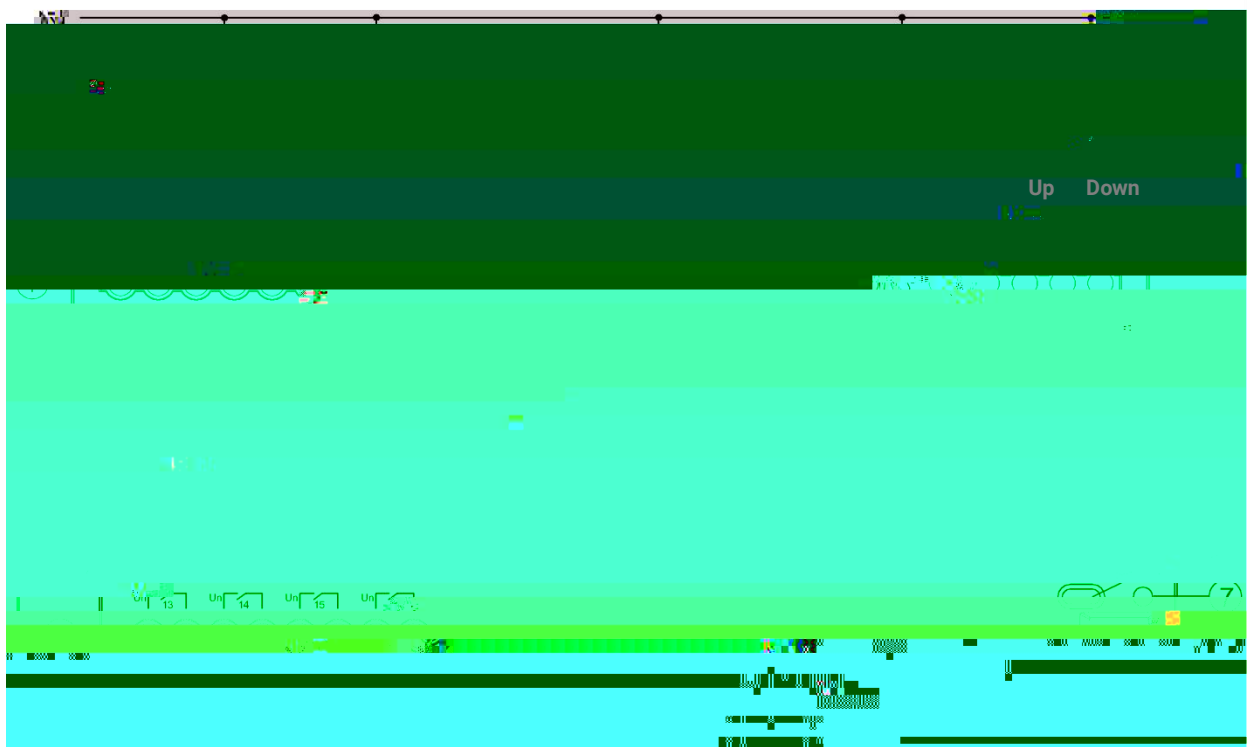
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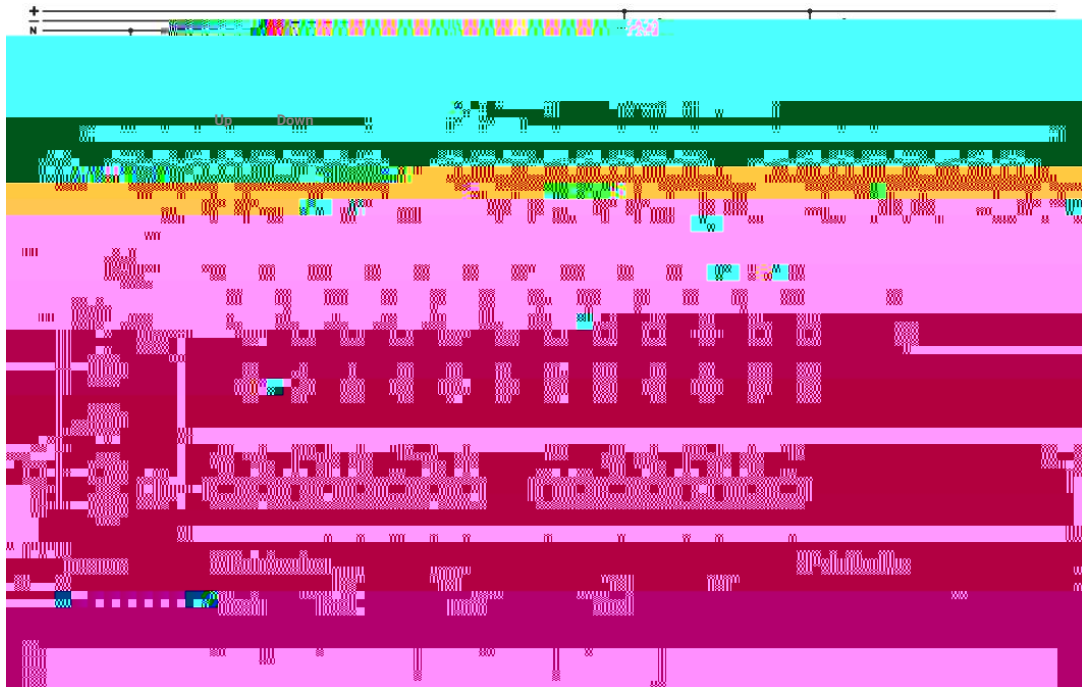
3.2.2.AMMA-08/10.S



3.2.3.AMMA-16/10.S



3.2.4.AMMA-24/10.S



F : k

F k

□

□ 1 □ , k

/ □ AC/DC □ □ (1) (2) □ / □ /

□ □ □ □ k (DC □ (3) (4)

k)

□ □ (1) 1 □ □ (2) 2 □ □ (3) 3 □ □

k □ k

□ □ 2 □ (1) / □ □ / (□

/) □ (2) k 4 □ (1) □ □ (3)

□ □ (2) (4) k □ □ 3Point al e □ □ 1 3 □ 2 4

k

4 3 / □ Man. □ □

/ □ □ k



KNX/EIB

KNX

☞ ☒ LED ☒ ☒

☒ KNX

☒ 4 ☒ 4 ☒ 3

☒

1.

☒

k

☒ ☒ ☒ ☒ ☒

☒ k

2.

☒ ☒ k ☒

☒ ☒ ☒ ☒ ☒ ☒

☒ ☒ k ☒

☒ 4.4.7 ☒ 4.5.1 ☒ 4.6.3 ☒ 4.8.3 ☒

3.

AC DC ☒ ☒

8 ☒ 1/2/3/4 ☒ 5 ☒

5/6/7/8 ☒ 4 k

24 ☒ 1/2/3/4 ☒ 5/6 ☒

5/6/7/8 ☒ 3/4/9/10 ☒

9/10/11/12 ☒ 7/8/13/14 ☒

13/14/15/16 ☒ 11/12/17/18

☒

17/18/19/20 ☒ 15/16/21/22

☒

21/22/23/24 ☒ 19/20 k

4. 8 ! 16 24 4 k ☒

☒ ☒ ☒ k

ETS

4.1.KNX

KNX

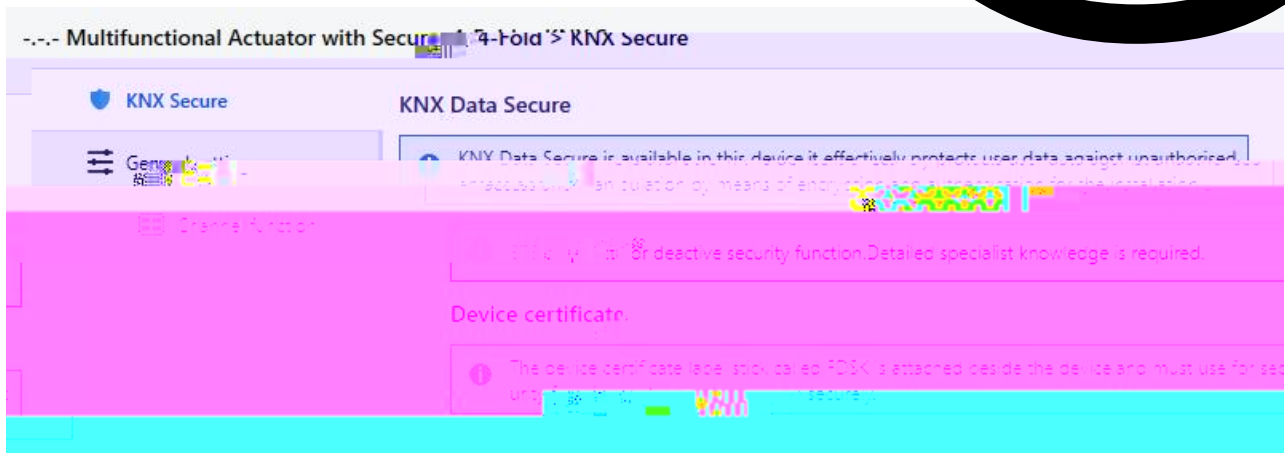
KNX

KNX

k

□

k



4.1 (1) "KNX Secure"

KNX

KNX

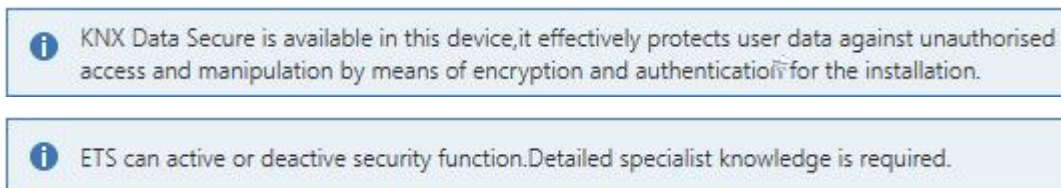
ETS

□

□

4.1(1)

□



KNX

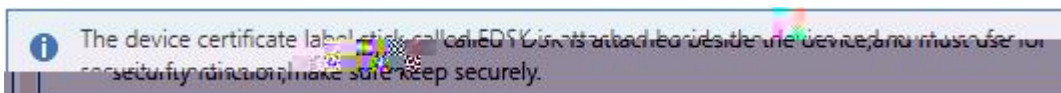
□

k ETS

k

□

k



FDSK

□

□

k

ETS □

□

□

□



KNX

□

□

□

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k

□

□ ETS

□

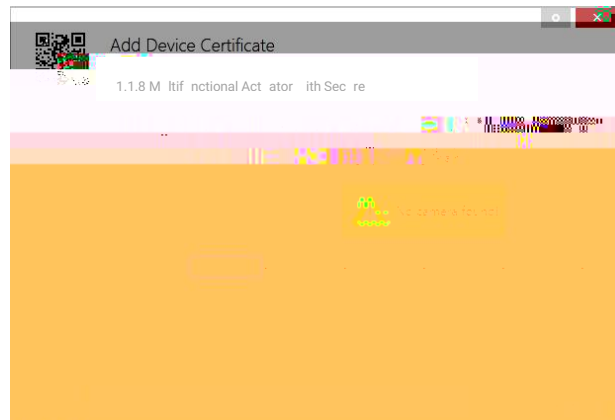
□

4.1 (2) k

QR

□

□ k



4.1(2) Add Device Certificate

□

□

ETS k

□

□ □

"Security"

□

□

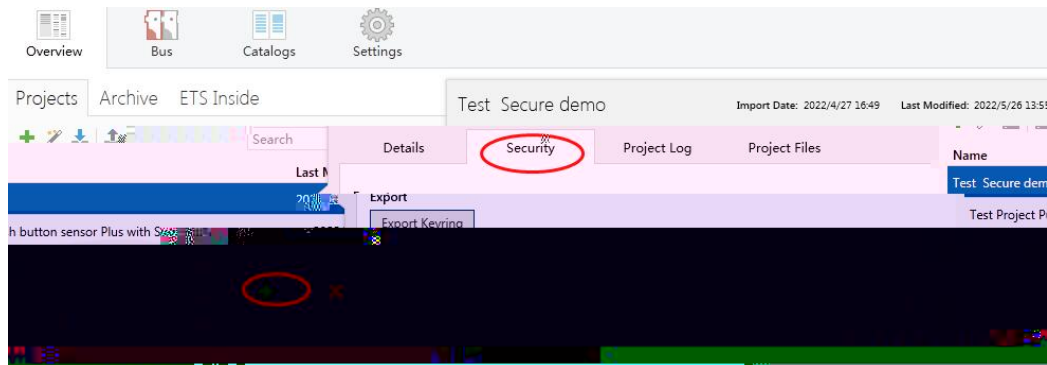
4.1(3) k

□

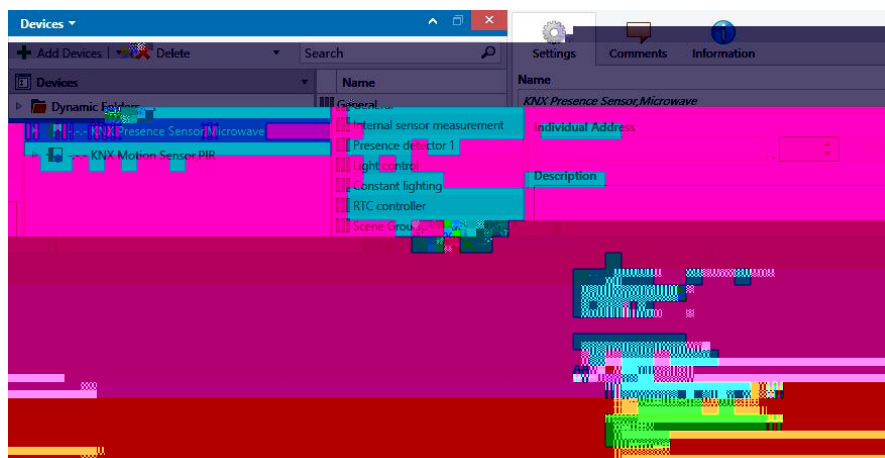
□

"Add Device Certificate" □

4.1(4) k



4.1(3) Add Device Certificate



4.1(4) Add Device Certificate

□

FDSK k

FDSK

KNX

k

FDSK



FDSK



ETS



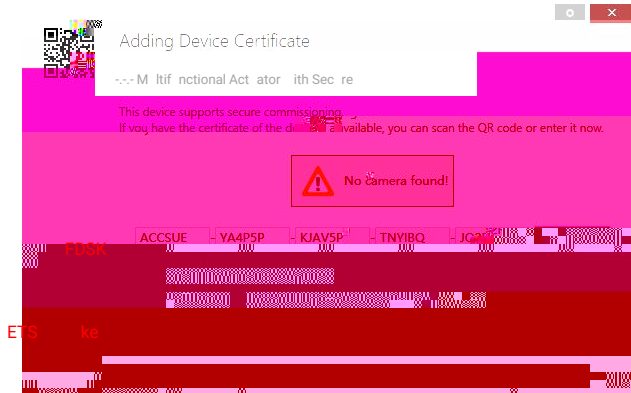
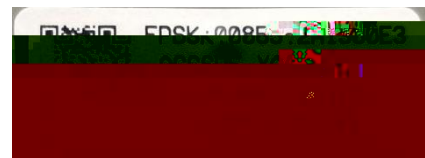
4.1(5) k



ETS



FDSK k



4.1(5)



k



4.1(6)



"Yes



"Add Device Certificate



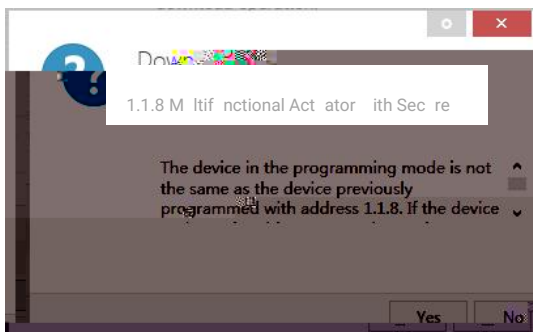
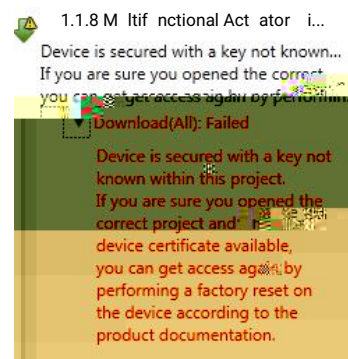
FDSK



4.1(6)



k



4.1(6)



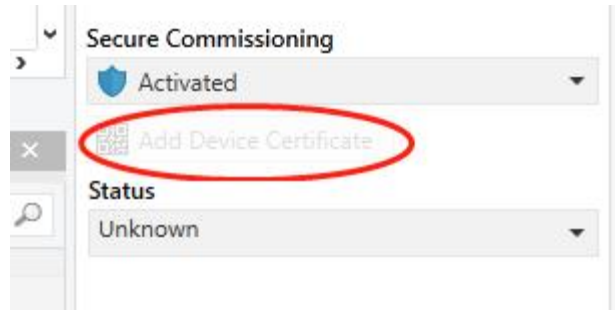
FDSK k



"Add Device Certificate



k



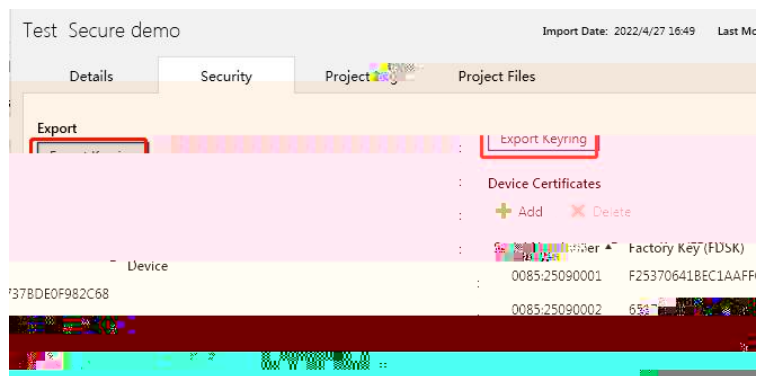
4.1(7)

ETS



4.1(8)

.kn ke s k



4.1(8)



KNX

USB



ETS

k

KNX/EIB

KNX/EIB

☐ Central control for curtain function ☐

☐ k

☐ ☐ Central control for Up/Down ☐ ☐ Central control for Slat/Stop ☐ ☐

☐ ☐ ! k

☐ Manual operation ☐

k

☐ k

☐ ☐ ☐ **☐ Manual to automatic by ☐**

k ☐ ☐

Only long press

Both long press and automatic delay time

Only long press ☐ / ☐ ☐ k

Both long press and automatic delay time ☐ / ☐ ☐

☐ ☐ ☐ ☐

☐ ☐ k ☐ ☐ k

☐ ☐ ☐ **☐ Delay time [10...6000] ☐**

k ☐ ☐ **10..6000 s**

4.3. ☐ “Channel function”

☐



KNX/EIF

KNX

Curtain DC



Fan control



Valve control ☐ 4-pipe ☐

☐ 1 ☐ 4 ☐

k

Output 1~4	Switch/Curtain AC/Heating/Cooling/2-pipe			Curtain DC	Fan control	Valve control
	Switch	Curtain AC	Heating/Cooling/ 2-pipe			☐ 4-pipes ☐
Output 1	Output 1	Curtain 1	Valve 1 ☐ Output 1&2, if 3point, open and close ☐	Curtain DC 1	Fan 1: fan speed 1	Valve 1: Heat ☐ Output 1&2, if 3point, open and close ☐
Output 2	Output 2				Fan 1: fan speed 2	
Output 3	Output 3	Curtain 2	Valve 2 ☐ Output 3&4, if 3point, open and close ☐		Fan 1: fan speed 3	Valve 1: Cool ☐ Output 3&4, if 3point, open and close ☐
Output 4	Output 4					



HVAC ☐ ☐



KNX/EIB

KNX

1 3 ☐ ☐ 0 tp t2 ☐ ☐ t4 ☐ 2 4 ☐ ☐ ☐ Un ^k

☐ Fan 1 output is fixed for ☐ ☐ 1level:1; 2level:1&2; 3level:1&2&3

☐ 1 ☐ ☐ ☐ 0 tp t1 ☐

2 ☐ ☐ ☐ 0 tp t1 0 tp t2 ☐

3 ☐ ☐ ☐ 0 tp t1, 0 tp t2 0 tp t3 ^k

☐ If Fan 1 set to 1 or 2 level, output 3&4 as switch output ☐ ☐

☐ ☐ 1 2 ☐ 3 4 ^k

☐ ☐ 4 ☐ ☐

☐ Heat output for 4-pipe valve 1 is Output 1 ☐ ☐ Output 1&2, if 3 point, open and close

☐ ☐ 1 0 tp t1 ☐

☐ ☐ ☐ 0 tp t1 ☐ ☐ Un ^k

☐ ☐ 0 tp t1 0 tp t2 ☐

☐ ☐ ☐ 0 tp t1 0 tp t2 ☐ ☐ Un ^k

☐ Cool output for 4-pipe valve 1 is Output 3 ☐ ☐ Output 3&4, if 3 point, open and close

☐ ☐ 1 0 tp t



KNX/EIB

KNX

		☐		0 tp t 1 ☐		0 tp t 1 ☐	
☐	Un k						
		☐	☐				



KNX/EIB

KNX

☐ If bus failure, output status is ☐

k ☐ ☐

Unchange

Contact open

Contact close

"Unchange ☐ ☐

"Contact open ☐ ☐

"Contact close ☐ k

☐ After downloading, output status is ☐

☐ k ☐ ☐

Contact open

As bus recovery

"Contact open ☐ ☐ k

"As bus recovery ☐ ☐ "If bus recovery, contact is

k

☐ Object Value of ☐ switch ☐ after bus recovery ☐

"Input 0 ☐ ☐ "Switch

☐ "0 "1 k ☐ ☐

0

1

☐ 0 k

☐ Set the reply mode of switch status ☐

☐ ☐ k ☐ ☐

Respond after read only

Respond after change

“Respond after read onl ☐

☐ “S itch stat s

☐

“Respond after change ☐

☐ “S itch stat s

k

☐ Object value of switch status : ☐

“S itch stat s k ☐ ☐

0=contact close; 1=contact open

1=contact close; 0=contact open

“0=contact close ; 1=contact open ☐

“S itch stat s “0

☐ “1 ☐

“1=contact close; 0=contact open

k

☐ ☐ ☐ ☐ **Switch status** ☐

☐ k

☐ Output status for the telegram "1"(telegram "0" is opposite of selection) ☐

☐

“S itch k

“Inp t

0 ☐ “S itch ☐ “Inp t 0 ☐

k ☐ ☐

Contact open

Contact close

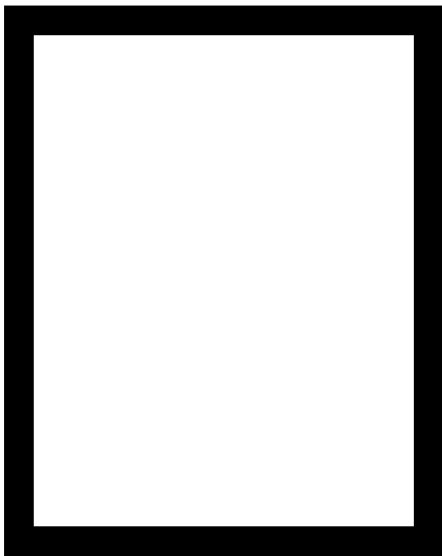
“Contact open ☐ ☐ 1 ☐ ☐ ☐ ☐ “0 ☐ ☐ ☐

☐

“Contact close ☐ ☐ 1 ☐ ☐ ☐ ☐ “0 ☐ ☐ ☐

k

☐ **Input 0** ☐ ☐ **Switch** ☐ **Input 0** ☐ k



4.4.2. ☐ "Ox: Time"

☐ 4.4.1(2)"O : F nction" "F nction of "time" ☐ 4.4.2.1 ☐
 "Enable time f nction" ☐ ☐ ☐ ☐ ☐
☐ k

☐ Type of time function ☐

☐ k ☐ ☐

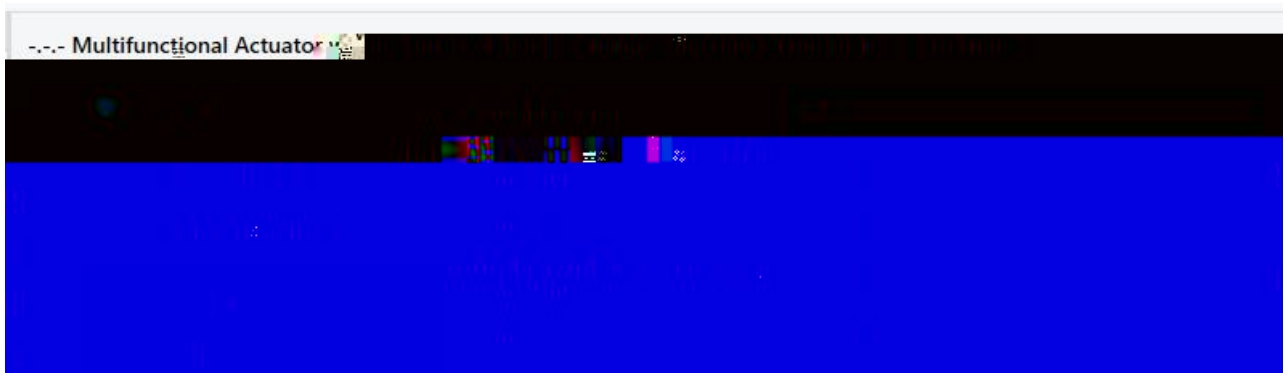
Delay

Flashing

Staircase

4.4.2.1. "Delay"

"Dela" ☐ 4.4.2.1 ☐ k "Dela f nction"
 k



4.4.2.1 ☐ ☐ O :Time-Dela ☐

☐ Delay for switch on(contact close): (0...240)/ (0...59) ☐

k ☐ ☐

0...240 min

0...59 s

☐ k

Delay for switch off(contact open): (0...240) / (0...59)

k

0...240 min

0...59 s

k

k

4.4.2.2. "Flashing "

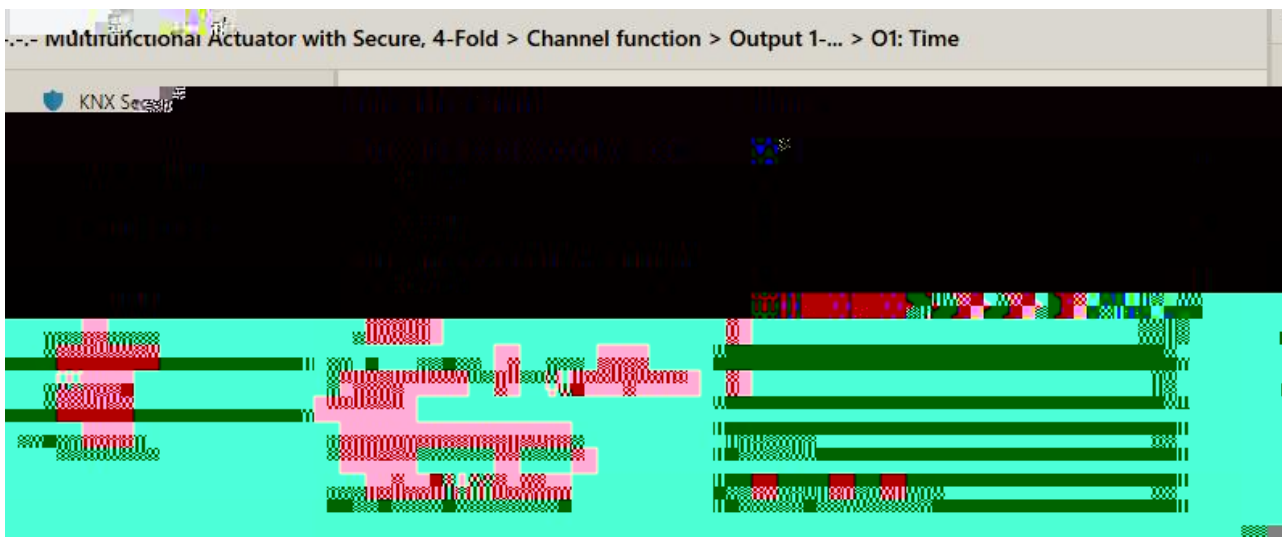
"Type of time function

"Flashing

4.4.2.2

k

k



4.4.2.2

Time-Flashing

Flashing

"Flashing function

"Delay for

switch on

"Delay for switch off

k

"Flashing function



KNX/EIB

KNX

☐ Duration of switch off(contact open): (0...240) , (0...59) ☐

☐ k ☐

0...240 min

0...59 s

☐ ☐ k ☐

☐ k ☐ k

☐ Number of ON-impulsed [1...255 ☐ 0=no limited] ☐

☐ 1...255 ☐ 0 ☐ k / k

☐ ☐ 0...255

☐ Output status after flashing ☐

k ☐

Unchange

Open

Close

☐ Control mode of flashing ☐

k ☐

Start with "1", Stop with "0"

Start with "0", Stop with "1"

Start with "0/1", can not be stop

"Start ith '1 ☐ Stop ith '0 ☐ "1 ☐ "0 ☐

k

"Start ith '0 ☐ Stop ith '1 ☐ "0 ☐ "1 ☐

k

"Start ith '0/1 ☐ can not be stop ☐ "0 "1 k ☐

☐ ☐ ☐ k

4.4.2.3. "Staircase"

"Type of time function"

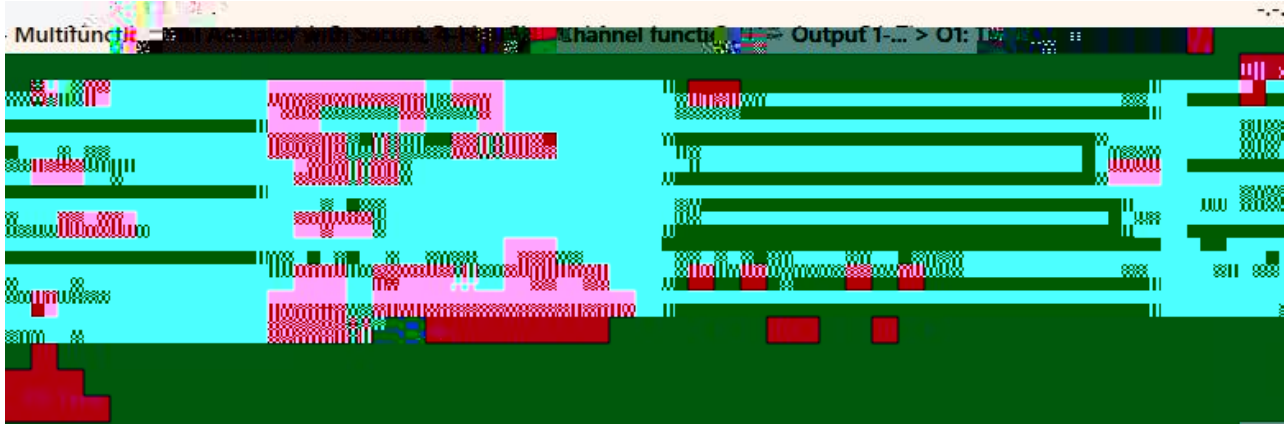
"Staircase" ☐

☐

☐

4.4.2.3

k



4.4.2.3

☐ ☐ 0 :Time-Staircase ☐

"Staircase function" ☐

☐

k

☐ Duration of staircase lighting--(0...1000) --(0...59) ☐

k ☐ ☐

0...1000 min

0...59 s

☐ Control mode of staircase lighting ☐

, ☐

k ☐ ☐

Start with "1", Stop with "0"

Start with "1"



KNX/EIB

KNX

"Start" with '0/1', can not be stop ☐ "0" "1" ☐

☐ ☐ ☐ ☐

"Start" with '1', OFF with '0', "1" ☐ "0" k

☐ During the lighting time, if receive the ☐ start ☐ telegram ☐

☐ ☐

Restart duration of staircase lighting

Extend duration time

Ignore the "start" telegram

"Restart duration of stai

4.4.3. "Ox: Logic"

4.4.1(2) "O : F nction" "F nction of "logic"

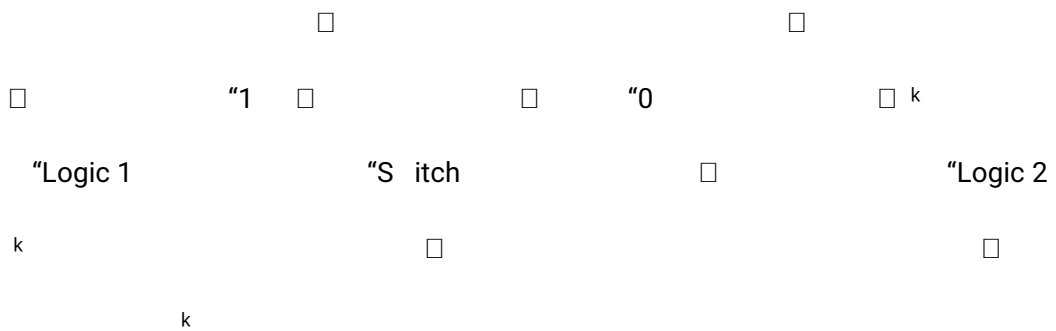
4.4.3 k



4.4.3 "Ox: Logic"

2

"S itch" k





KNX/EIB

KNX

☐ Enable input 0 ☐

"Inp t 0

k "Inp t 0

"S itch

k

"Inp t 0



k

☐ Input 0/1/2 reverse ☐

Inp t 0/1/2



"YES



"NO

k



NO

YES

☐ The input x of Logic ☐ (x=1, 2)

1 2 ☐

"Logic 1

"Logic 2

k

☐ Logic function type ☐

k

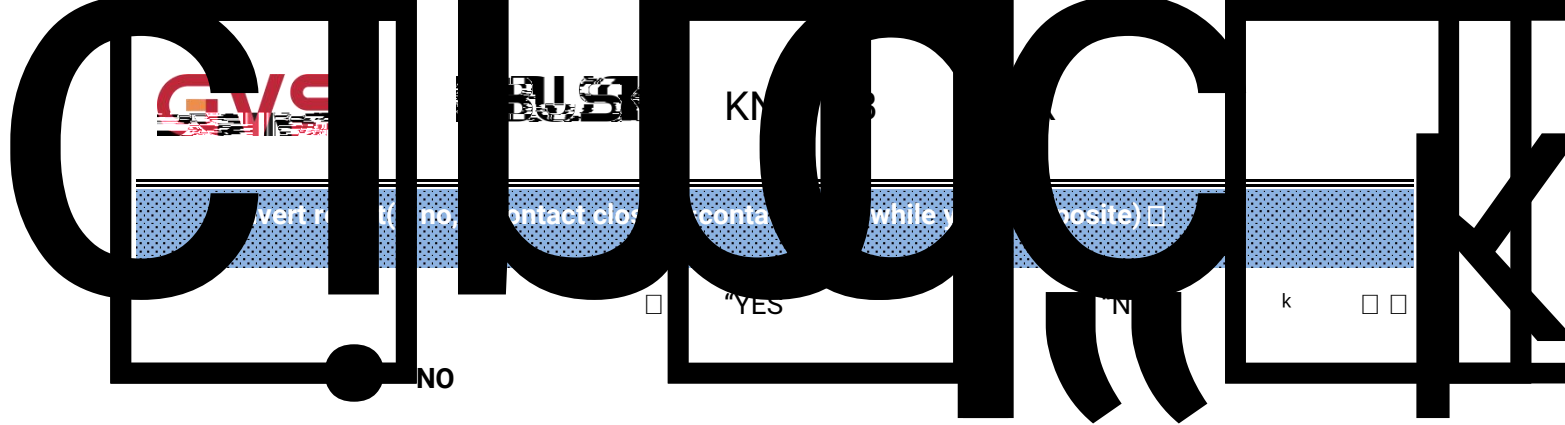
(AND, OR, XOR)

"GATE

k

"GATE





KN 3

vert r (no, contact clo contact while y (posite)



YES

IN

k



NO

YES

Value of input1 after bus recovery

Logic 1



1 ! 0

k



0

1

Value before power off



□ x> channel is assigned to (1...64 ,0= no assignment) □ (x=1~8)

64

k

8

k

□ □ 1...64 □ 0=no assignment

□

□

1~64 □

0~63 k

□

k

“Output status”

k

□ □

Contact open

Contact close

4.4.5. □ “Ox: Forced”

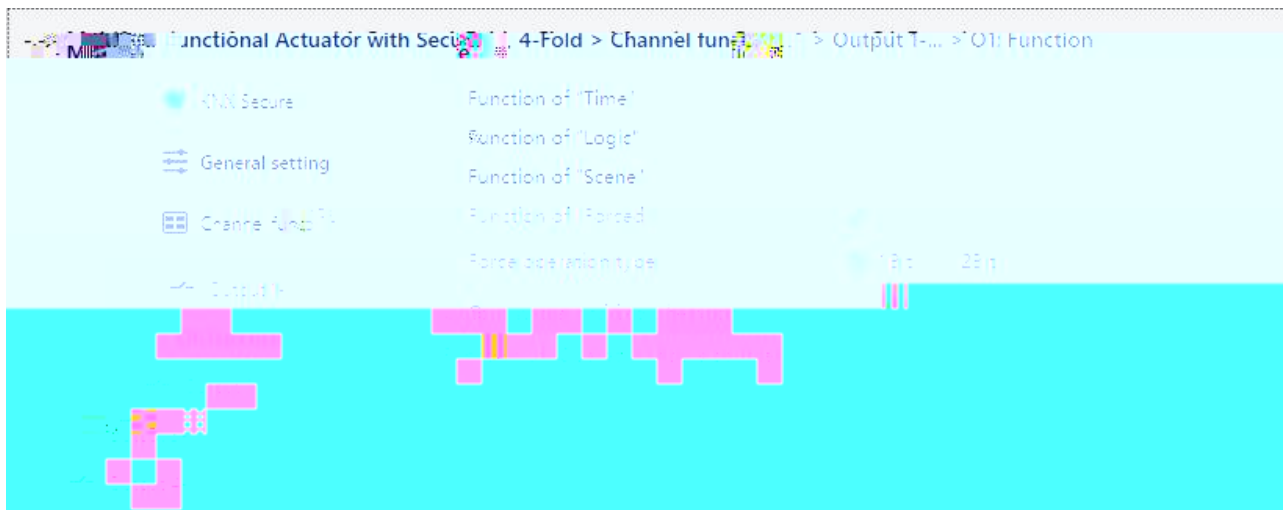
4.4.1(2) “O : F nction

“F nction of “Forced

□

4.4.5

k



4.4.5

□ □ O □ Forced □

“Forced o tp t □

□

k

□ □

□

k

□ Force operation type □

k □ □

1bit

2bit

"1bit , "Forced o tp t

"1

□

"0 □

k

"2bit , "Forced o tp t

□

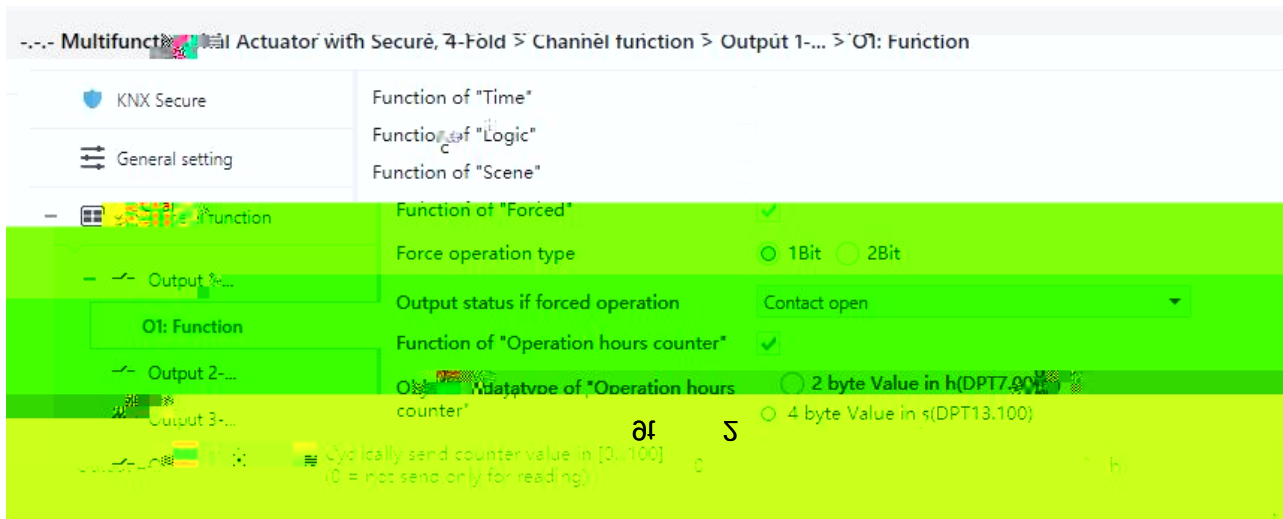
□

7" **Forc** SGTô ñÝ Sñ ø €Đ 0

4.4.6. ☐ "Ox: Operation hours counter"

4.4.1(2) "Object function" "Function of "Operation hours counter"

counter ☐ 4.4.6 ☐ k ☐



4.4.6 ☐ ☐ ☐ Operation hours counter ☐

"Object datatype of "Operation hours counter"

k ☐ ☐

2 byte Value in h(DPT 7.007)

4 byte Value in s(DPT 13.100)

☐ 2 byte Value in h (DPT 7.007) ☐ ☐ 2 byte ☐ 4 byte Value in s (DPT 13.100) ☐

☐ 4 byte k

☐ Cyclically send counter value in [0..100] (0=not send, only for reading) ☐

☐ k ☐ ☐ 0...100 h

☐ ☐ ☐ 1...100 ☐ 1 100 ☐

Object ☐ ☐ ☐



4.5. --Heating actuator(without controller)

☐ Work mode of the channel is ☐ Heating actuator (without controller) ☐

4.5(1) ! 4.5(2)

☐ k

☐

☐ k

☐

k

☐ 1bit

☐ 1b te

☐ k 1bit

☐

☐ On-off control al e ☐

☐ 1b te ☐

☐ Control al e (Contin o s) ☐

k

☐ 0%[Closed] ☐

☐

☐ 100%[Open] ☐

☐ k 0 100%

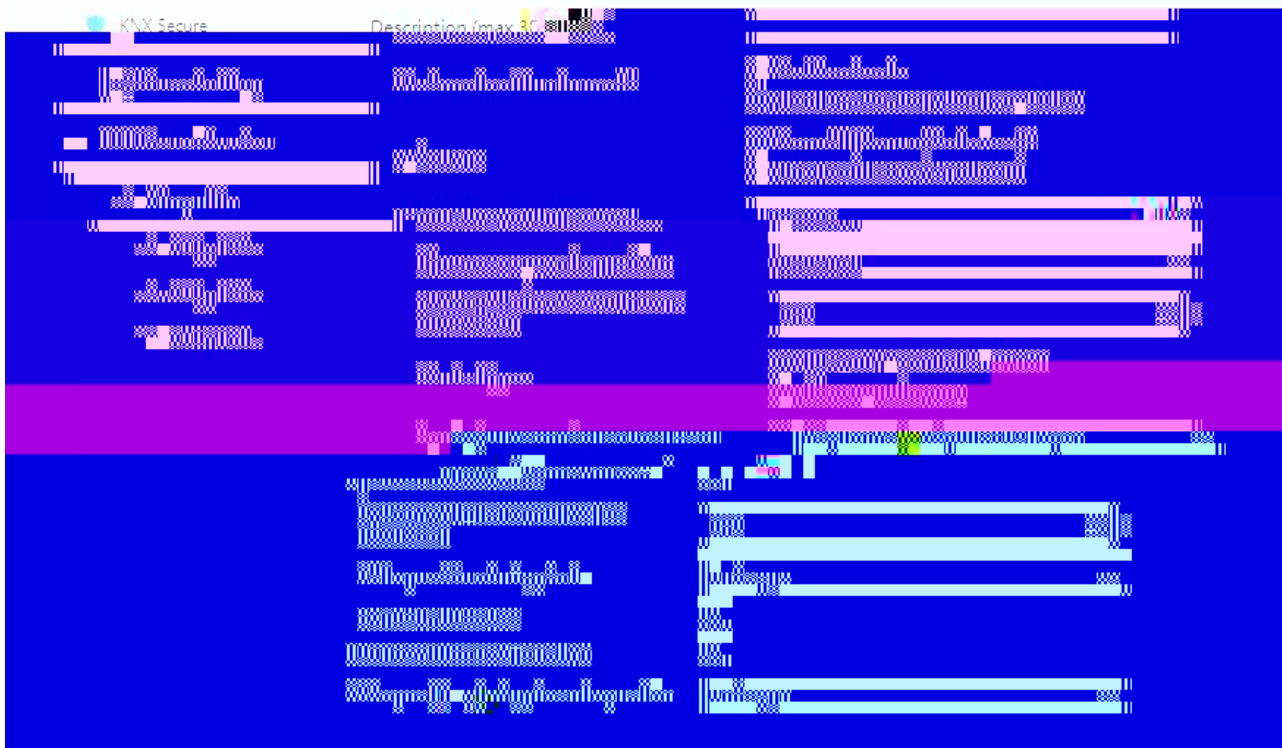
%

☐

☐

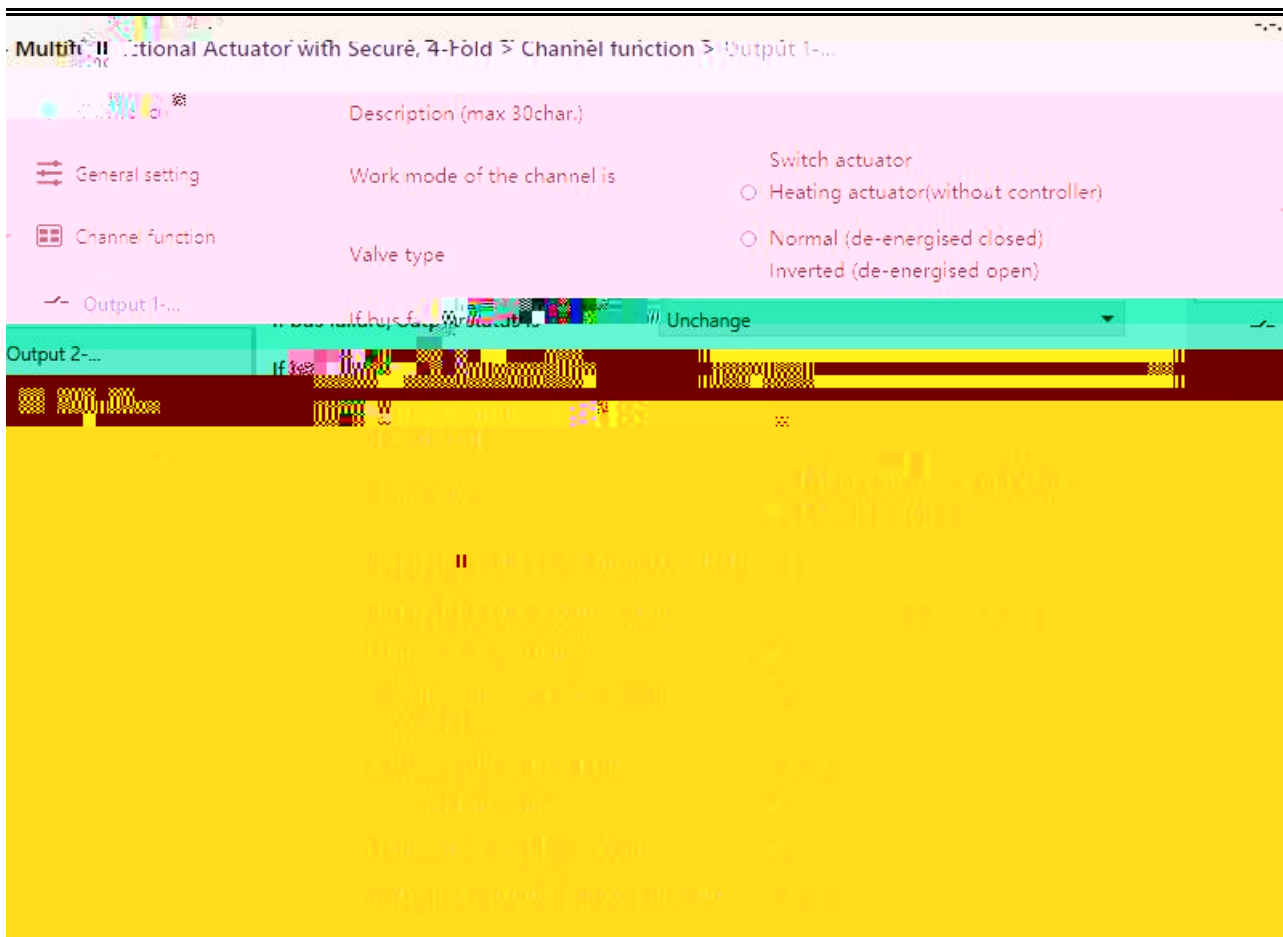
k

--- Multifunctional Actuator with Secure, 4-Fold > Channel function > Output



4.5(1)

☐ 0 tp t X: Heating actuator (without controller)_1bit ☐ on-off control or PWM ☐



4.5(2)

□ □ O tp t X:

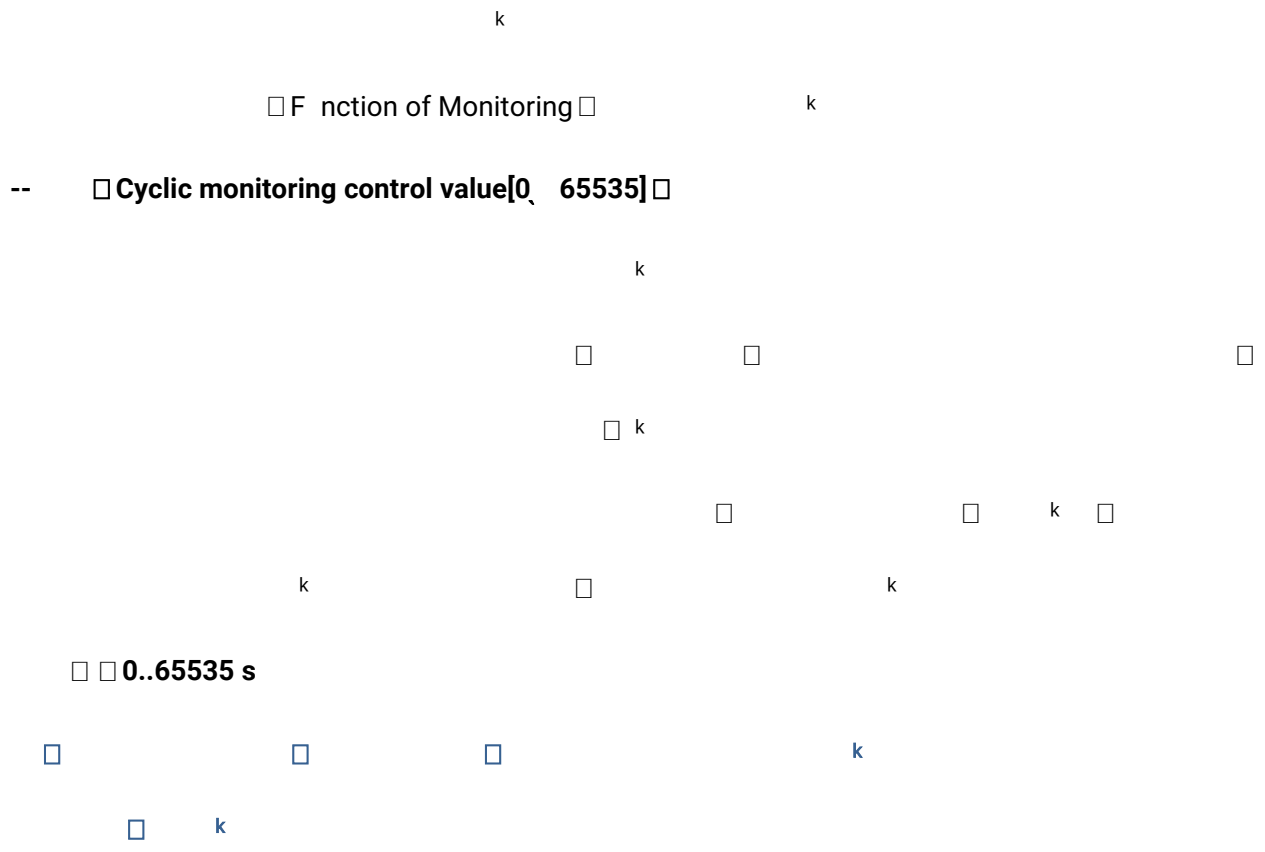
KNX/EIB

KNX/EIB

KNX



Function of Monitoring





KNX/EIB

KNX

☐ ☐ Unchange ☐ ☐ ☐

k

-- ☐ Report fault status ☐

☐

☐

k

☐

☐

☐

☐

☐

☐

k

☐

k

☐

☐ Report fa lt ☐

☐

☐ Report fa lt ☐

☐ 1 ☐

☐

☐

☐

☐ 0 ☐

☐

k

☐ Function of forced operation ☐

k

-- ☐ Valve position during forced operation ☐

☐

☐ ☐

PWM

k

☐ ☐

0%[Closed]

10%[26]

...

100%[Open]

Unchange

☐ Unchange ☐ ☐ ☐

k

☐ ☐

k

☐

40% ☐

60% ☐

☐ ☐

60% ☐

k

☐ monitor

☐

☐

☐

☐

☐

k

☐

k



KNX/EIB

KNX

"Venetian Blind

k

"Motor type"

☐ ☐ k ☐ ☐

AC-motor

Dry contact-motor

☐ ☐ AC-motor ☐ ☐ ☐ ☐ k

☐ ☐ Dr contact-motor ☐ ☐ ☐ k

-- ☐ Drive pulse time[1..50] ☐

☐ Dr contact-motor ☐ ☐ ☐ k

☐ ☐ 1..50 *100ms

☐ k

"If bus recovery, position is"

☐ k ☐ ☐

Unchange

Up

Down

Stop

"Unchange" ☐ ☐

"Up" ☐ ☐ ☐

"Down" ☐ ☐

"Stop" ☐ ☐ k

☐ k

☐ ☐ ☐ ☐ ☐ ☐

50% ☐ ☐ k

☐ ☐ ☐ ☐ ☐ ☐

☐ ☐ ☐ ☐ k

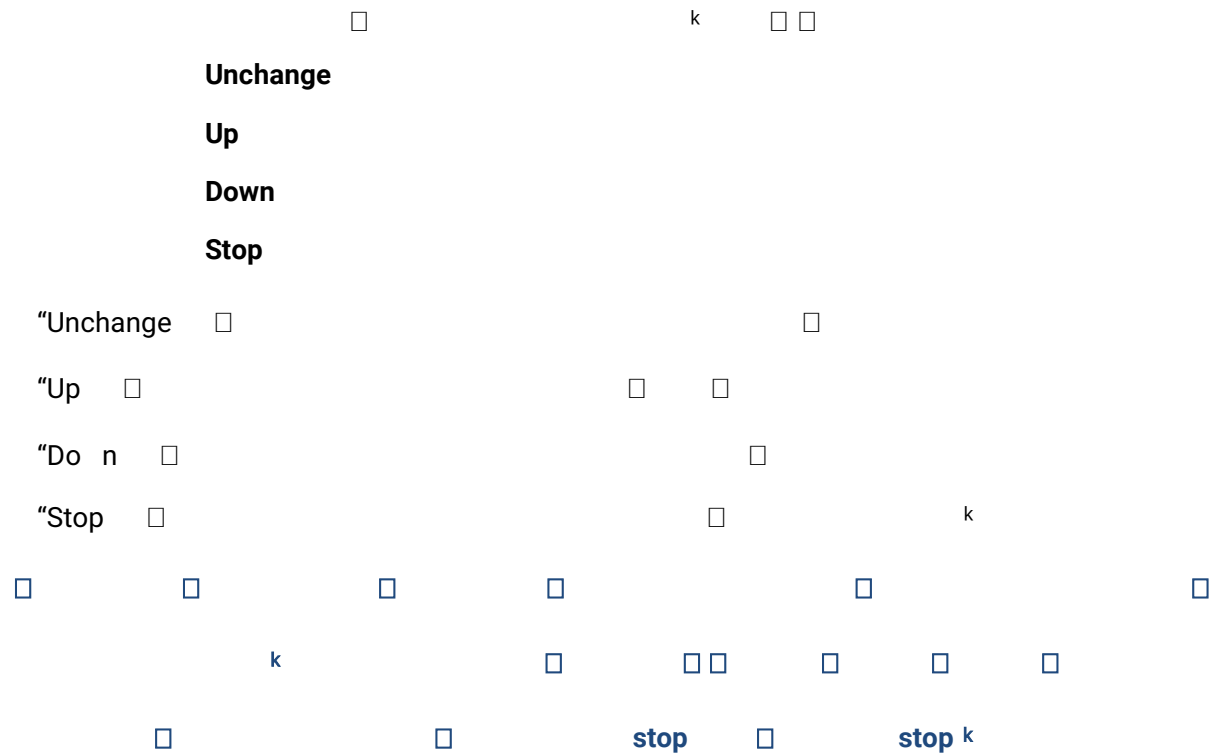
☐ k



KNX/EIB

KNX

"If bus failure position is"



"After reference movement, Position is"





KNX/EIB

KNX





KNX/EIB

KNX

□ Central function of channel □

k

□ □ □ Central for Up/Do n □ □ Central control for Slat/Stop □

4.6.1.1. □ “ : Drive”

C : □ 4.6.1.1

□

□

□

k

□

□

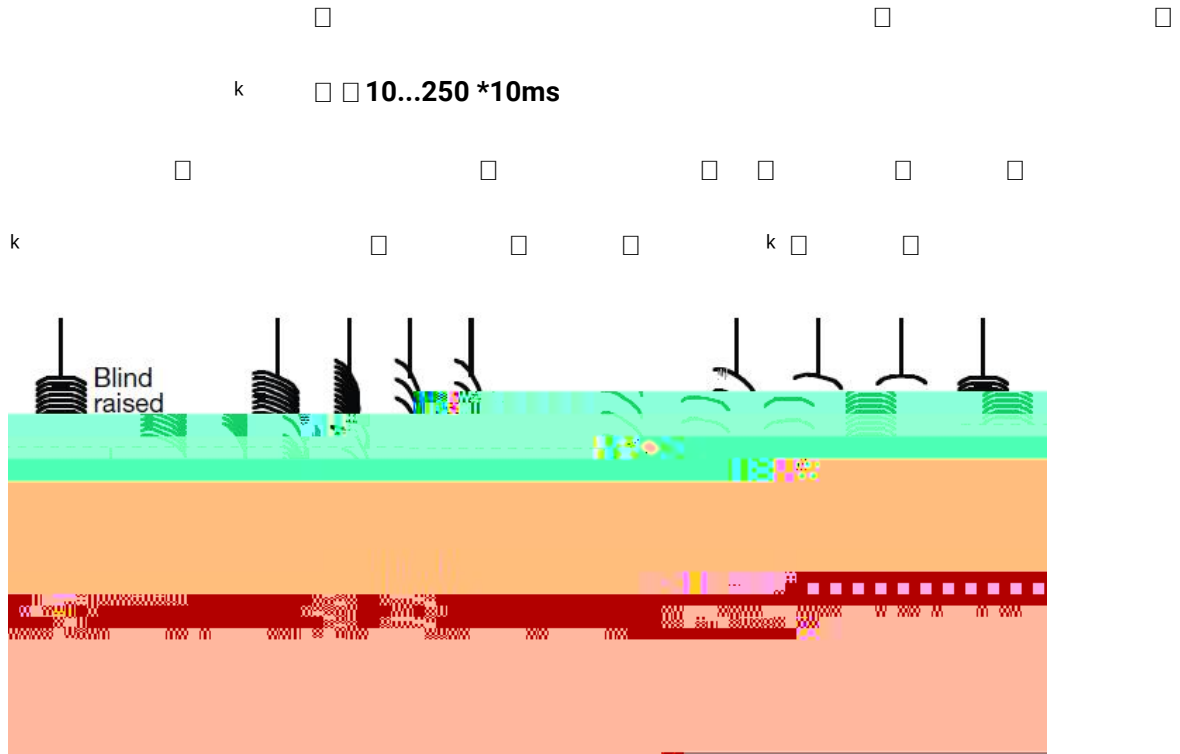
□

□

□ □ □ □ □ □

KNX/EN

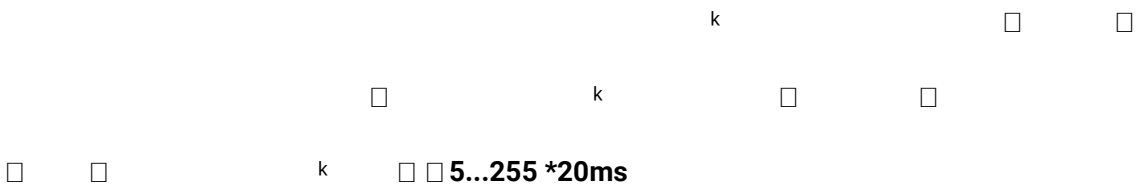
"Duration of Slat adjustments [10.. 250]"



"Total travel time of Slat 0.. 100% in [10.. 250]"



"Pause on change in direction [5.. 255]"





KNX/EIB

KNX

"Function automatic"





KNX/EIB

KNX

“ Enable a to. control



KNX/EIB

KNX

☐ Position if sun= 0 (sun not shining) ☐

4.6.1.3.

☐ "Cx: Scene"

"C : Scene



.6.1.3

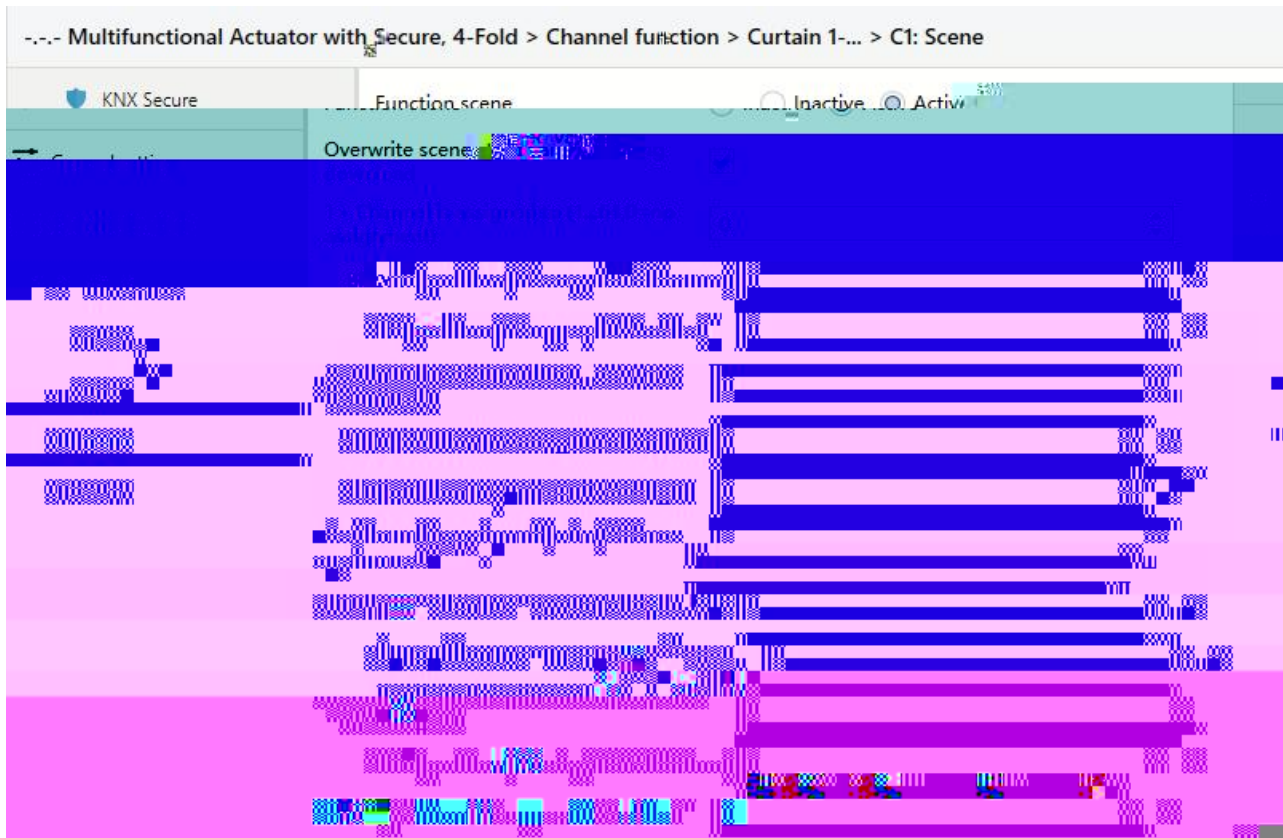


k

8

,

k



4.6.1.3

☐ C ☐ Scene ☐



k

“Channel is assigned to (1...64 ,0= no assignment)”

64

k

8

k

☐ ☐ 1...64 ☐ 0=no assignment

1~64 ☐

0~63 k



k

-- ☐ Shutter/Blind position [0%=top,100%=bottom] ☐
☐ 0.. 100 % ☐ 0% ☐ top, 100%=bottom

-- ☐ Slat position [0%=opened,100%=closed] ☐
☐ 0.. 100 % ☐ 0% ☐ opened, 100%=closed

4.6.1.4. ☐ “Cx: Safety”

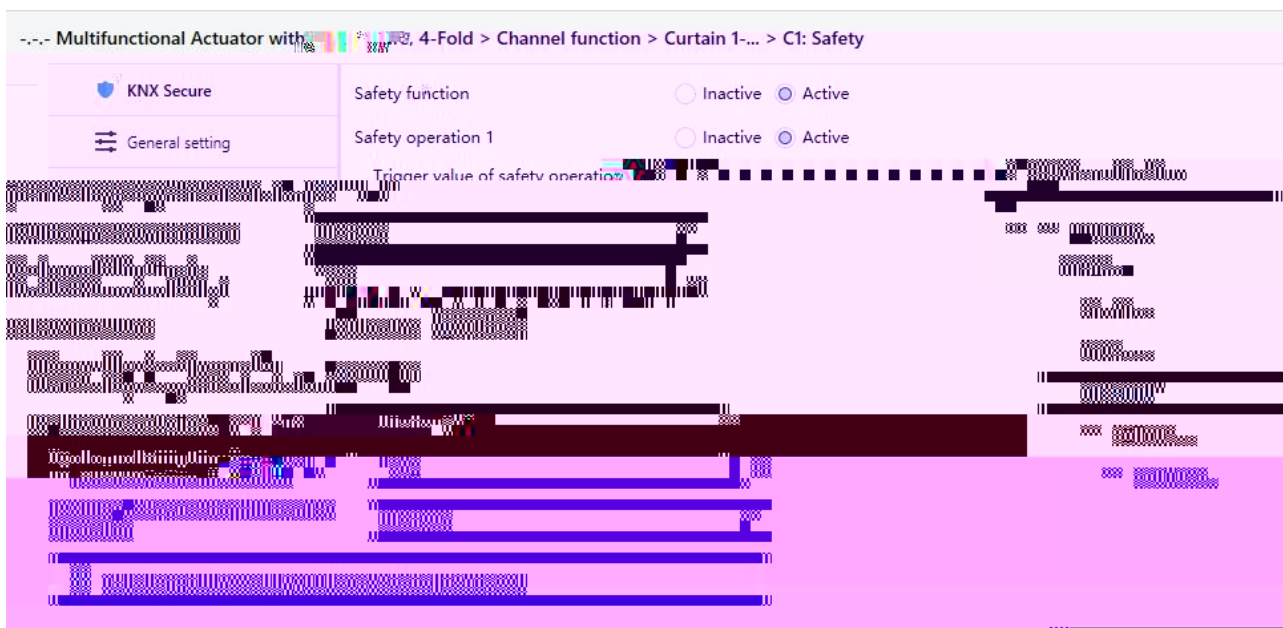
“C : Safet



4.6.1.4



k



4.6.1.4

☐ ☐ C ☐ Safet ☐



KNX/EIB

KNX



k



k

"Safety operation x " (x=1 ÷ 2)

k



Inactive

Active

"Inactive ☐



"Active ,



"Safety operation 1/2

k

"Trigger value of safety operation(cancel safety is opposite of selection)"

k



0

1

"0 ☐

"Safety operation 1/2

"0 ☐



☐ 1 ☐



"1 ☐

"Safety operation 1/2

"1 ☐



☐ 0 ☐



k

"Position on safety operation x " (x=1 ÷ 2)



k



Unchange

Up

Down

Stop



KNX/EIB

KNX

"Cyclic monitoring time in [0..65535, 0=no monitoring]"



4.7. (DC)

☐ DC ☐

6

☐

☐ AC ☐

☐ ☐

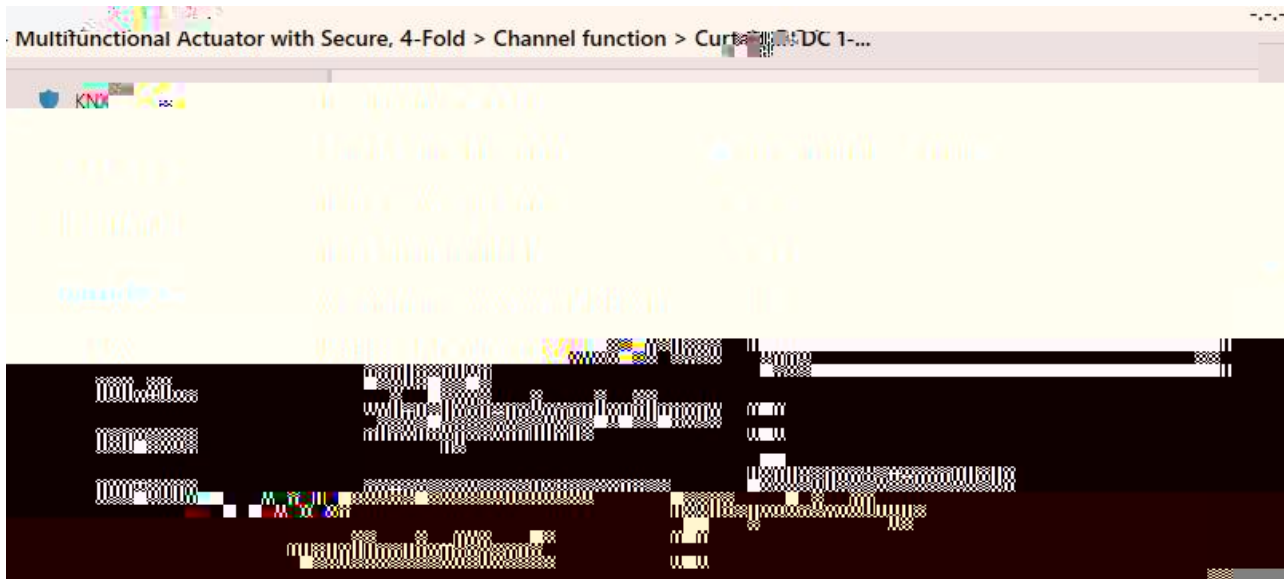
☐ Motor type ☐ ☐

k

☐

4.7

k



4.7

☐ ☐ Curtain DC X ☐

☐ DC ☐

☐

☐ AC ☐

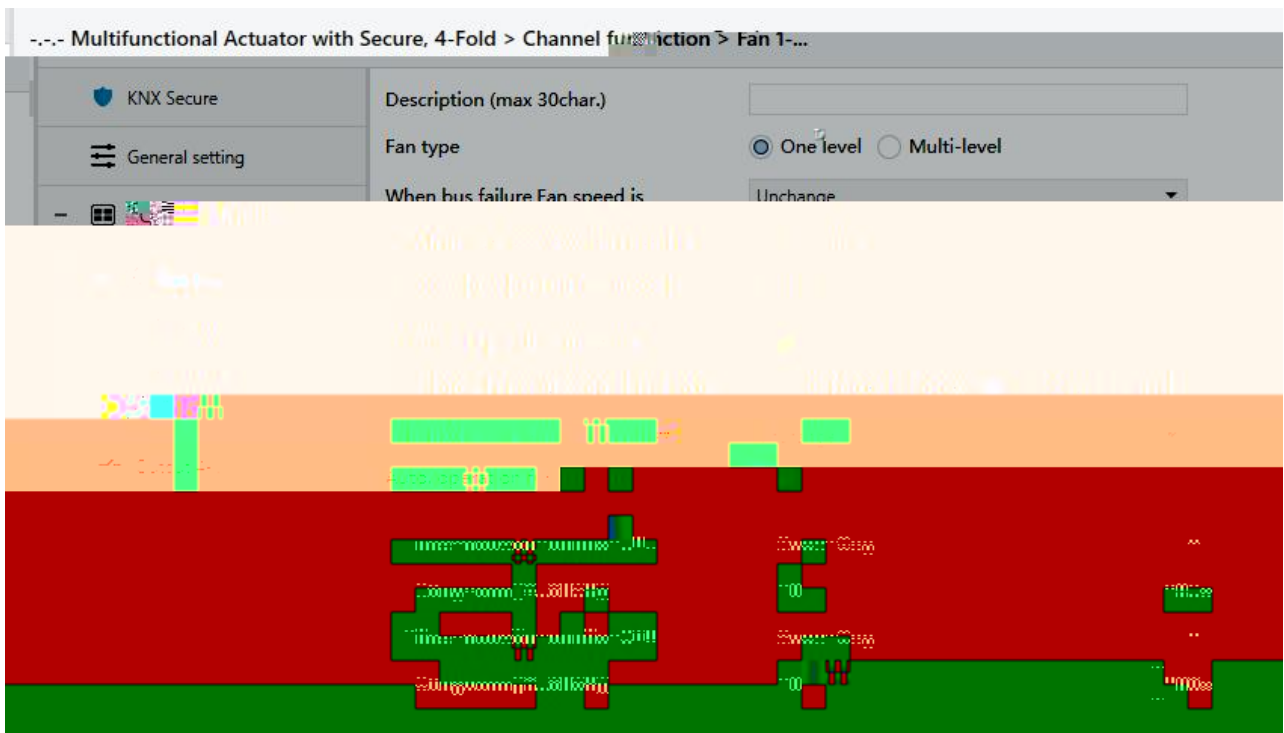
k

4.8.

6

4.8.1. "Fan type -- One level"

Fan type -- One level 4.8.1 1



4.8.1 "Fan type -- One level"

"Description (max. 30char.)"

30

Fan type

One level

Multi-level

One level 1

Multi-level 3 2 3



KNX/EIB

KNX

☐ When bus failure, Fan speed is ☐

☐ ☐

k

☐ ☐

Unchange

OFF

ON

☐ When bus recovery, Fan speed is ☐

☐ ☐

k

☐ ☐

Unchange

OFF

ON

As before as bus fail

Unchange: ☐

OFF ☐ ☐ ☐

ON ☐ ☐ ☐

As before as bus fail ☐

k

☐

☐

☐

☐

☐

☐

☐

k

☐ After downloading, fan speed is ☐

☐

☐

k

"Forced operation function"

k

☐ 1bit

"Forced operation"

☐

☐

k

☐ **Forced operation on object value** ☐

k

☐ ☐

0=Force/1=Cancel

1=Force/0=Cancel



KNX/EIB

KNX

0=Force/1=Cancel ☐

"Forced operation

"0 ☐

☐

"1 ☐

☐

1=Force/0=Cancel ☐

"Forced operation

"1 ☐

☐

"0 ☐

k

"Behaviour on Forced operation "

☐ ☐

k

☐ ☐

Unchange

OFF

ON

Unchange ☐ ☐

☐

☐

OFF ☐ ☐

☐

ON ☐ ☐

k

☐

☐

☐

k

"Auto. operation function "

☐

k

☐ 4.8.1.1

k

☐

☐

!

k

"Time mode for function ON"

☐

k

☐ ☐

None

Switch delay

Minimum time

None ☐

☐

☐

Switch delay ☐

☐

☐

ON ☐

☐

☐

☐

"Dela time

[1..65535]

k

☐

"Fan speed

"1 ☐

☐

☐

☐

ON

☐

☐

☐

☐

☐

k



KNX/EIB

KNX

Minimum time ☐ ☐ ☐ ☐ ☐

"Minimum time[1..65535] k ☐ ☐ ☐ ☐

☐ ☐ k

"Delay time [1..65535]"

☐ k ☐ ☐ 1.. 65535 *0.1s

"Minimum time [1..65535]"

☐ k ☐ ☐ 1.. 65535 s

"Time mode for function OFF"

☐ k ☐ ☐

None

Switch delay

Minimum time

None ☐ ☐ ☐

Switch delay ☐ ☐ ☐ OFF ☐ ☐ ☐ "Delay time
[1..65535] ☐

Minimum time ☐ ☐ ☐ ☐ ☐

"Minimum time[1..65535] k ☐ ☐ ☐ ☐
☐ ☐ k ☐ OFF ☐ ☐ k

"Delay time [1..65535]"

☐ "Ex Auto."

8.1 (PVU) A t [] [] [] [] [] [] [] [] [] [] [] []

"State of Auto. operation after startup"

☐ k
☐ ☐ ☐ ☐ ☐ ☐ ☐ k

"Automatically enable auto. operation"

k ☐ k
☐ ☐ ☐
 k

"Enable auto.operation after [10..6000]"

k ☐ ☐ 10..6000 min

"Threshold value OFF<->ON [1.. 100]"

☐ ☐ ☐ Control
 al e ☐ k ☐ ☐ 1...100 %

☐ ☐ ☐
☐ ☐ k

"Hysteresis threshold value in +/- [0.. 50]"

☐ ☐ k
☐ ☐ 0...50 %
 0 ☐ ☐ ☐ ☐
 10 ☐ 50 ☐ ☐ 60 ☐ + ☐ ☐ 40 ☐ -
☐ ☐ 40 60 ☐ ☐ ☐ k
 40 ☐ ☐ 60 ☐ k ☐

KNX/E

KN

KNX/E

4.8.2. □ “Fan type -- Multi-level”

□ □ 4.8.2 k □

--- Multifunctional Actuator with Secure, 4-Fold > Channel function > Fan 1---

☒ KNX Secure ☒ General setting ☒ Channel function	Description (max 30char.) Fan type Fan speeds on 2 limit Fan operation mode	<input type="text"/> ☐ One level ☒ Multi-level ☒ ☒ Ch... ☐ Step switch
---	--	---

Delay between fan speed switch [50...5000] 500 ms
 When bus failure, fan speed is Unchange
 When bus recovery, fan speed is Unchange
 After down

4.8.2 □ □ Fan t pe - M lti-le el □

2 □ 3 □ □ □ □ □ 2 □ □ □ 3 □

□ 2 k

1 □ □ □ □ □ □ □

□ □ □ □ □ □ □ □ □ □

□ □ k



KNX/EIB

KNX

"Description (max. 30char.)"

☐ 30 k

"Fan speeds on 2 limit"

☐ ☐ M lti-le el ☐ 2 ☐ ☐ 3 ☐ ☐ k

☐ ☐ ☐ ☐

☐ ☐ ☐ ☐ ☐ 2 ☐ 3 ☐ k ☐ 3

k

☐ ☐ ☐ 2 ☐ ☐ 3 ☐ ☐ k

"Fan operation mode"

☐ ☐ ☐ k ☐ ☐

Changeover switch

Step switch

Changeo er s itch ☐ ☐ ☐ ☐ k

☐ ☐ ☐ ☐ ☐ ☐

k

Step s itch ☐ k 3 ☐ ☐ 3 ☐ ☐

☐ O tp t 1&2&3 ☐ ☐ 2 ☐ ☐ 2 ☐ O tp t 1&2 ☐ k

☐ ☐ k

"Delay between fan speed switchover[50, 5000]"

☐ Changeo er s itch ☐ ☐ ☐

☐ ☐ k ☐ ☐ 50...5000 ms

☐ ☐ ☐ ☐ k

☐ ☐ ☐ ☐ k

"When bus failure, Fan speed is"

□ □ k □ □

Unchange

OFF

1

2

3

OFF ☐ ☐ ☐

$$1 \square 2 \quad 3 \square \square \quad \square \quad 1 \square 2 \quad 3^k$$

$$\square \quad \square \quad 2 \quad \square \quad \square \quad \square \quad 3 \square \quad \square \quad \square \quad k$$

"When bus recovery, fan speed is"

□ □ k □ □

Unchange

OFF

1

2

3

As before as bus fail

OFF ☐ ☐ ☐

1 2 3 1 2 3

As before as b s fail ☐ ☐ ☐ k

□ □ □ □ □ □

□ k □ 2 □ □ 3 □ □ k

“After downloading, fan speed is”

☐ ☐ k

Object value for fan speed

Object datatype of 1byte fan speed

1b te k

Percentage (DPT_5.001)

Fan stage (DPT_5.100)

Object value for Fan speed 1/2/3

Fan speed--1b te k 1..255 1..100 %

0 k

1< 2< 3 ETS k

Forced operation function

k

,1bit Forced Operation

k

Forced operation on object value

k

0=Force/1=Cancel

1=Force/0=Cancel

0=Force/1=Cancel Forced Operation 0 1

1=Force/0=Cancel Forced Operation 1 0

k

k

"Auto. operation function"

☐ ☐ k ☐ ☐ 4.8.2.1 ☐ k

"Obj. 'Switch speed x' 1bit function"

1bit ☐ ☐ k ☐ 1bit ☐ Fan speed 1 ☐ ☐ Fan speed

2 ☐ ☐ Fan speed 3 ☐ k

☐ 1 ☐ ☐ ☐ ☐ ☐ 0 ☐ ☐ k

ON/OFF ☐ ☐ k

☐ ☐ k ☐

k

☐ ☐ ☐ k ☐ ☐ k

"Delay time for function OFF[0...65535]"

☐ ☐ k ☐ ☐ ☐ speed1 ☐ ☐ OFF ☐ ☐

☐ ☐ k

☐ ☐ 0...65535 *0.1s

☐ ☐ ☐ ☐ Minimum time in fan speed [0...65535] ☐ 0

k

"Starting characteristic of fan"

☐ ☐ ☐ k ☐ ☐ ☐ ☐

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ k

☐ ! ☐ ☐ ☐ ☐ ☐ ☐

☐ ☐ ☐ k

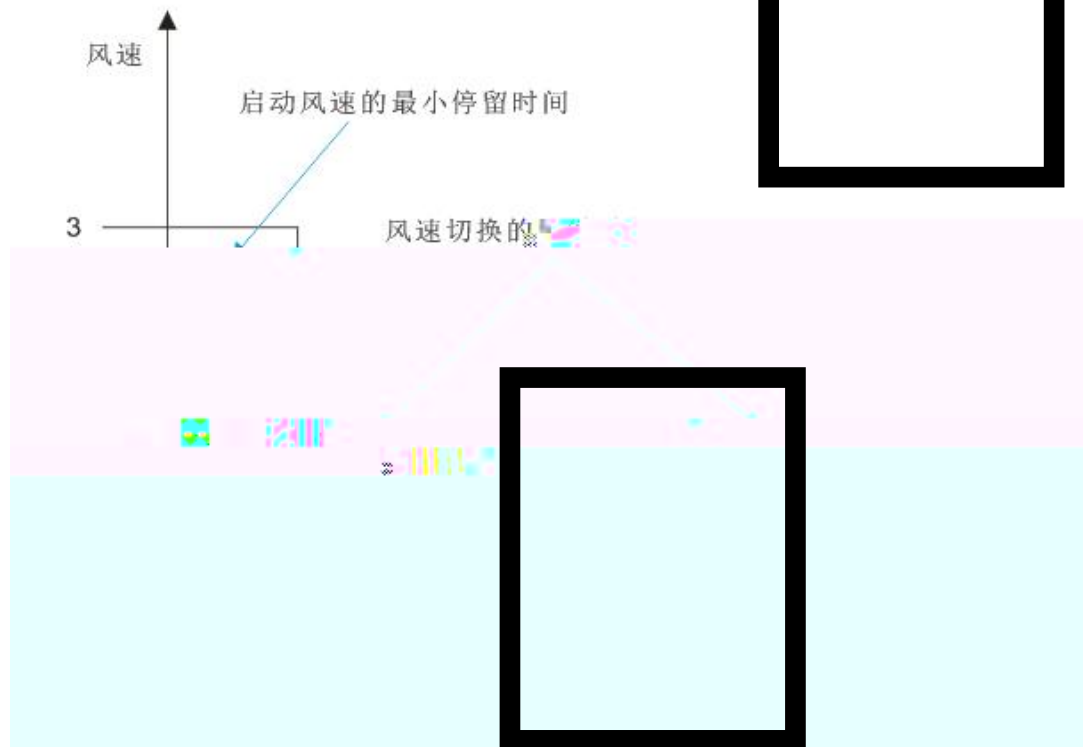
☐ k

☐

☐ ☐ k

☐ ☐ ☐ ☐ No ☐ k

KNXX



风速切换的
 启动风速的最小停留时间
 风速
 3
 10
 300

4.8.2.1. □ "Fx: Auto."

4.8.2

□ A to. operation f nction □

4.8.2.1

□ k

□

□

□

k

□ □

□ □

k



4.8.2.1

□ □ F : A to. □



k □ □

0=Auto/1=Cancel
1=Auto/0=Cancel

0=A to/1=Cancel □

□ Fan A to. automatic ON/OFF □

□ 0 □ □

□

□ 1 □ □

□

1=A to/0=Cancel □

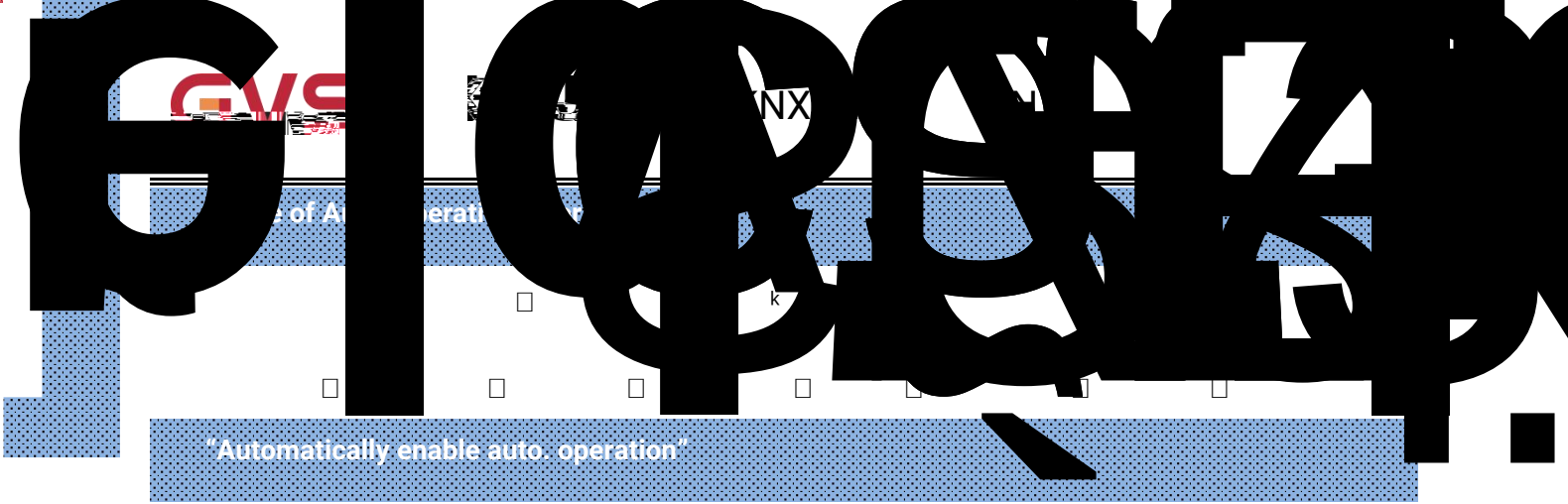
□ Fan A to. automatic ON/OFF □

□ 1 □ □

□

□ 0 □ □

k



"Automatically enable auto. operation"

k

k

k

k

k

k

"Enable auto. Operation after [10..6000]"

k

10..6000 min

"Threshold value OFF<-->speed 1 [1.. 100]"

k

1

100 %

vU

1...100 %

k

1

k

k

k

k

k

k

k

k

"Threshold value <-->speed 2 [1..100]A

k

k

2

KNX/E



KNX/EIB

KNX

□ 1 □ □

OFF <-> □ 1 10%

□ 1 <-> □ 2 20%

□ 2 <-> □ 3 30%

15%

□ □ OFF □

□ OFF 25% □ □ 10%+15% □ □ □ 2 □ 25% 20% 30%

□ □ □ □ □ 1 □

□ □ 3 □ □

□ □ 3 14% □ <30%-15% □ □ □ 1 □ 14% 10% 20%

□ □ □ □ □ 2 k

□ 2 □ □

OFF <-> □ 1 10%

□ 1 <-> □ 2 40%

□ 2 <-> □ 3 70%

5%

□ □ OFF □

□ OFF 15% □ □ 10%+5% □ k

41% □ □ 2 □ 41% 40% 70% □ □ □ □

□ 1 □

39% □ □ 1 □ 39% 10% 40% □ □ □ k



KNX/EIB

KNX

☐ ☐ 3 ☐ ☐

☐ ☐ 3 64% ☐ <70%-5% ☐ k

39% ☐ ☐ 1 ☐ 39% 10% 40% ☐ ☐ ☐ ☐

☐ 2 k

3 ☐ ☐ 0 ☐ ☐ k

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

☐ ☐ ☐ ☐ ☐ ☐ ☐

k

☐ ☐ ☐ ☐ ☐ ☐ ☐

☐ ☐ k ☐ ☐ 0...65535 s

0 ☐ k

☐

k

☐ ☐ off ☐ ☐ ☐ ☐ k

☐ 1 ☐ ☐ 3 ☐ ☐ 1 2 ☐ 3 ☐ ☐

k

☐ ☐ ☐ ☐ k

0 ☐ ☐ ☐ k

"Number of control value"

☐ ☐ ☐ 4.8.1.1 ☐ Number of control al e

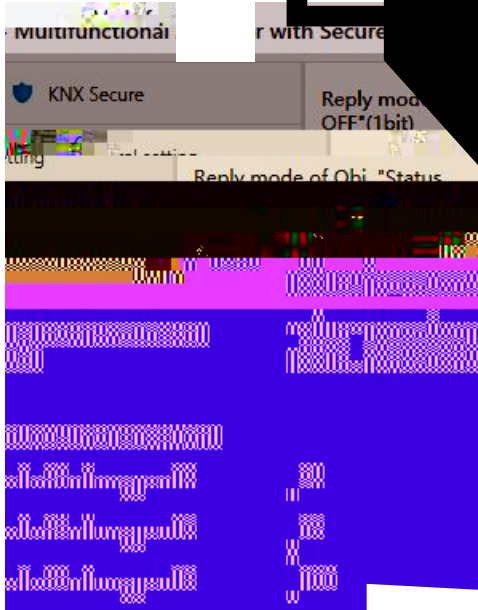
k



4.8.2.2.

x: Status"

☐ F : Sta



Respond after r

Respond after c

Respond after read onl ☐



KNX/EIB

KNX

Respond after change ☐

☐ ☐ Stat s

A tomatic ☐

k

"Reply mode of Obj. "status fan speed x"(1bit)"

☐

☐

k 1bit

☐ Stat s Fan speed 1 ☐ ! ☐ Stat s Fan speed 2 ☐

☐ Stat s Fan speed 3 ☐

☐

☐

k

☐ ☐

Respond after read only

Respond after change

Respond after read onl ☐

☐

☐

Respond after change ☐

☐

k

"Reply mode of Obj. "Status fan speed "(1byte)"

☐

☐

☐

☐ Stat s Fan speed ☐ ☐ 1b te

☐

☐

k

☐ ☐

Respond after read only

Respond after change

Respond after read onl ☐

☐

☐

Respond after change ☐

☐

k

Status feedback for fan speed

"Status value for Fan speed 1/2/3"

☐

☐

k

☐ ☐

1..255

1..100 % ☐ ☐

0 k

☐

☐ ☐

1<☐

2<☐

3☐

☐ ETS

k

4.9. □

□ ! ! 2 □ 4 □ □ □

□ ! 2 □ □ 4 4

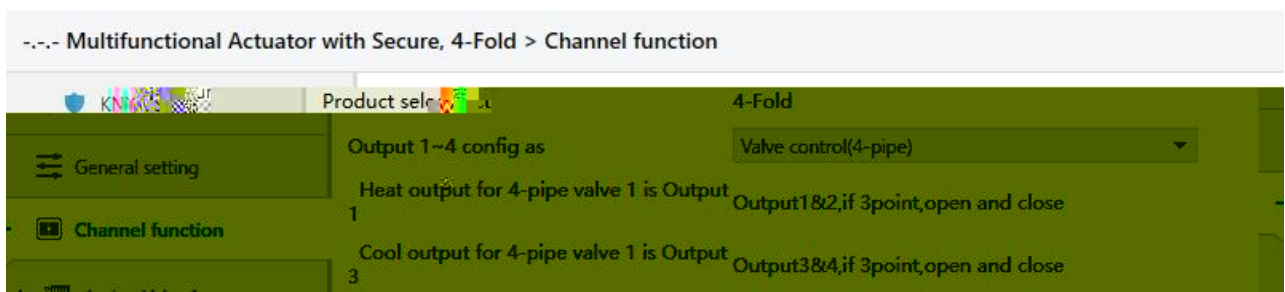
k □ ! 2 □ 12 □ 4 □ 6

k

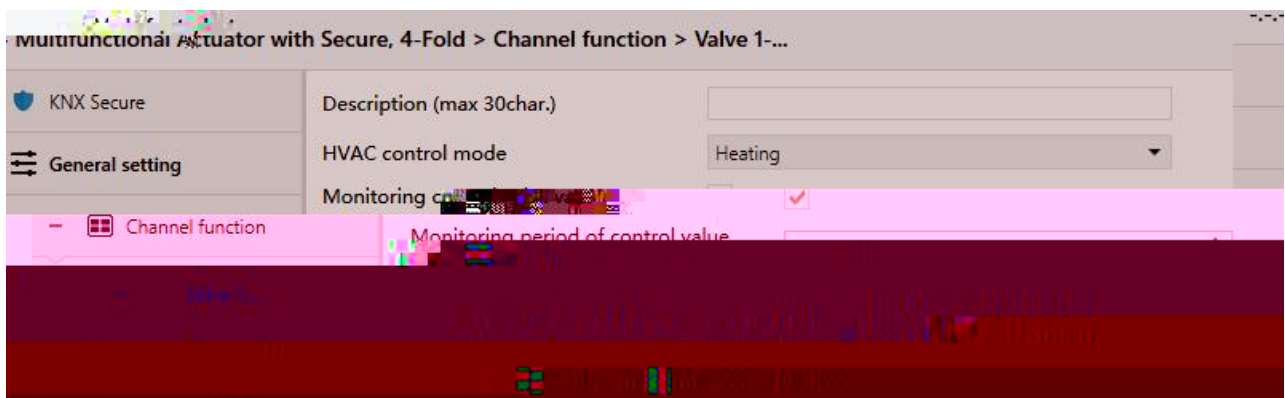
□ □ Channel f nction □ 4.9(1) □ ! 2 □

□ 4.9(2) (4) □4 □ □ 4.9(5) k □ □

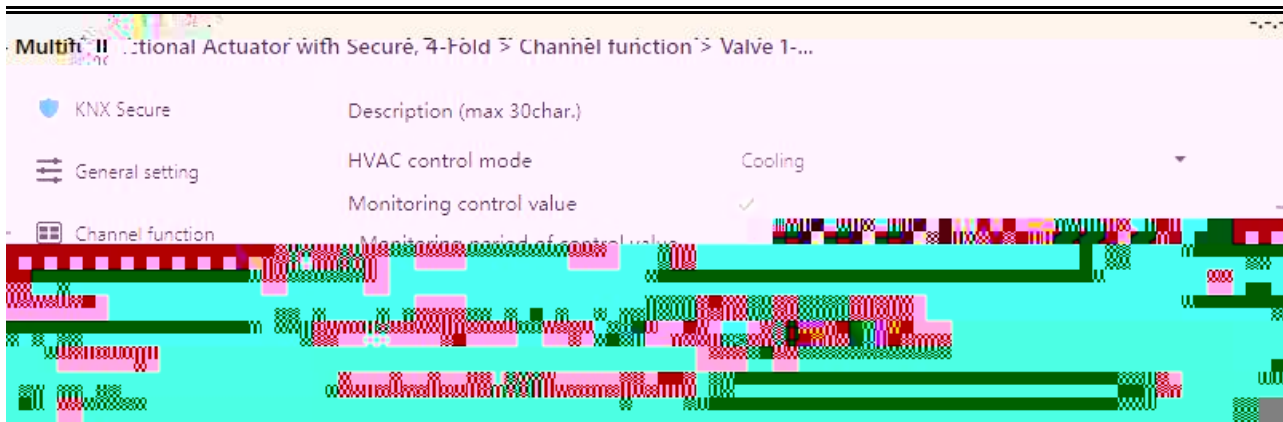
□ k



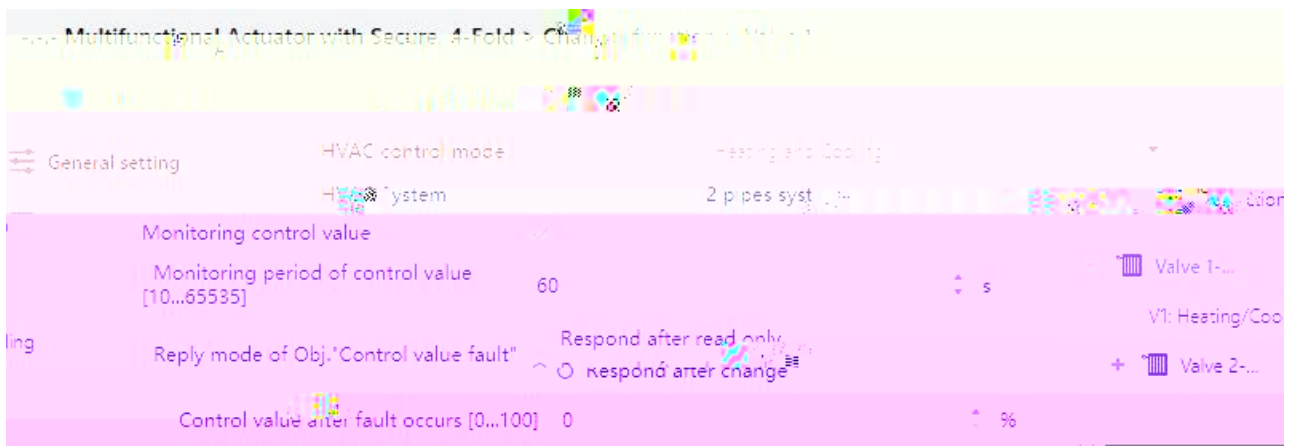
4.9(1) □ □ Channel f nction-- al e t pe □



4.9(2) □ □ Val e X General--Heating □



4.9(3) □ □ Valve X General--Cooling □



4.9(4) □ □ Valve X General--Heating and Cooling (2-pipes) □



4.9(5) □ □ 4-Pipe Valve X General--Heating and Cooling (4-pipes) □



KNX/EIB

KNX

"Description (max. 30char.)"



30

k

☐ HVAC Control mode ☐

HVAC



Heating

Cooling

Heating and Cooling

Heating ☐ ☐



Cooling ☐ ☐



Heating and cooling ☐ ☐

k

☐ HVAC System"

2



4



HVAC



k

2 pipes s stem:



4 pipes s stem:



k

"Number of control value"

4



4



☐ k

☐ Monitoring control value ☐

k



k

' '

☐ Monitoring period of control value[10..65535]"



☐ ☐ ☐

k

☐ ☐

10.. 65535 s

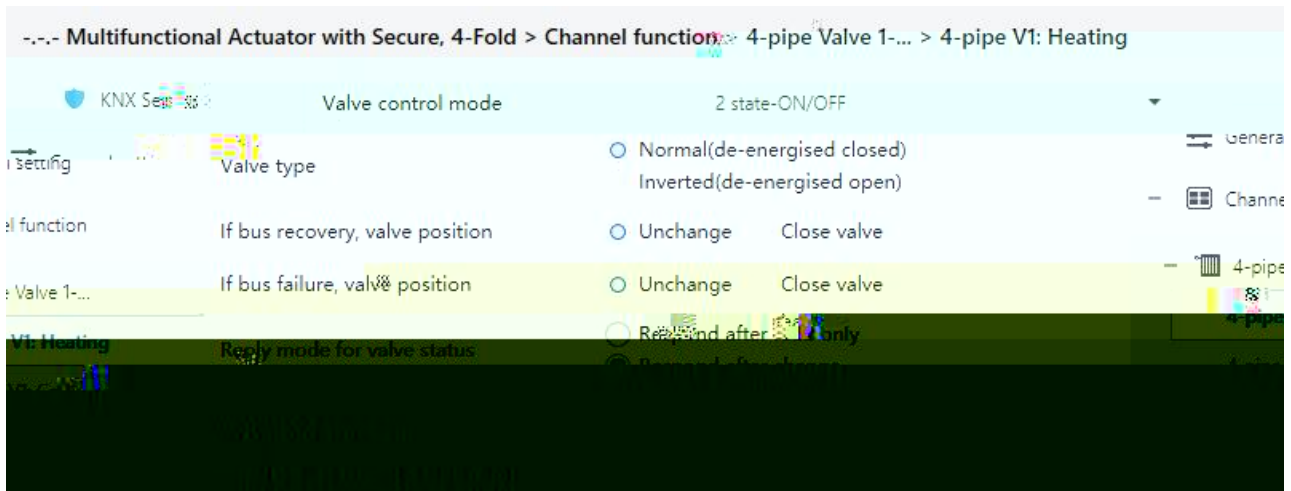
4.9.1. □ "Vx: Heating/Cooling"

"V : Heating" "V : Cooling" □ 4.9.1(1) 4.9.1(2) □ □

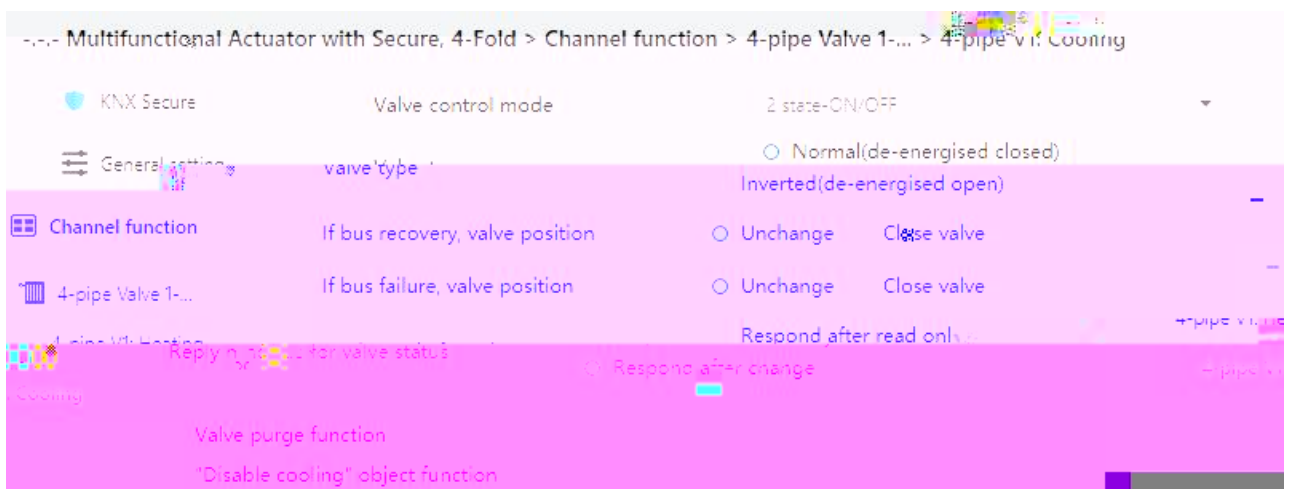
□ □ □ □ □ □ □ □ □

□ □ □ (2 □ 4 □ □ □ □ □

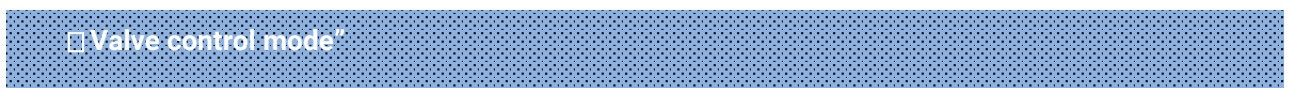
)



4.9.1(1) □ "V : Heating"



4.9.1(2) □ "V : Cooling"



□ k □ □

2 state-ON/OFF

Continuous, PWM

3 point, open and close



MAX/EIB

NX

state-ON/OFF ☐



continuous, PWM ☐ PWM



point, open and close





KNX/EIB

KNX

☐ If bus recovery, valve position ☐

☐ k ☐ ☐

Unchange

Close valve

Unchange ☐ ☐ ☐

Close al e ☐ ☐ k

☐ If bus failure, valve position ☐

☐ k ☐ ☐

Unchange

Close valve

Unchange ☐ ☐ ☐

Close al e ☐ ☐ k

☐ ☐ ☐ k

☐ Reply mode for valve status(1bit) ☐

☐ k ☐ ☐

Respond after read only

Respond after change

Respond after read onl ☐ "Val e
stat s, Heat/Cool k

Respond after change ☐ "Val e stat s,
Heat/Cool k

☐ Valve purge function ☐

☐ k ☐ 1bit

☐ Trigger al e p rge, Heat/Cool ☐

☐ ☐ ☐ k

’ ’ ☐ Duration of valve purge time[1...255] ☐

☐ ☐ ☐ ☐ ☐

☐ ☐ ☐ ☐ ☐



KNX/EIB

KNX





KNX MB

KNX

1=Disable/0=Enable



Disable



/Code



1



0



k



k



k



k

o,,

4.9.1.2. Command



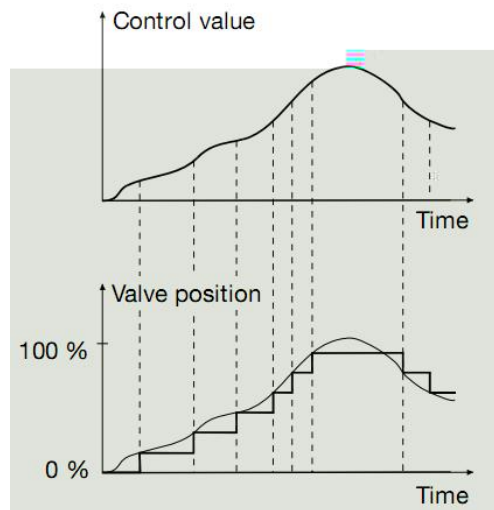
PWM

PWM cycle time [10...6000]

PWM

10...6000

Continl



☐

"Observe reversing time"

☐

☐

☐

k

☐

☐

100ms

200ms

...

1s

1.2s

1.5s

☐

☐

☐

☐

☐

k

"If bus failure, valve position"

☐

k

"If bus recovery, valve position"

☐

k

☐

☐

Unchange

Close valve

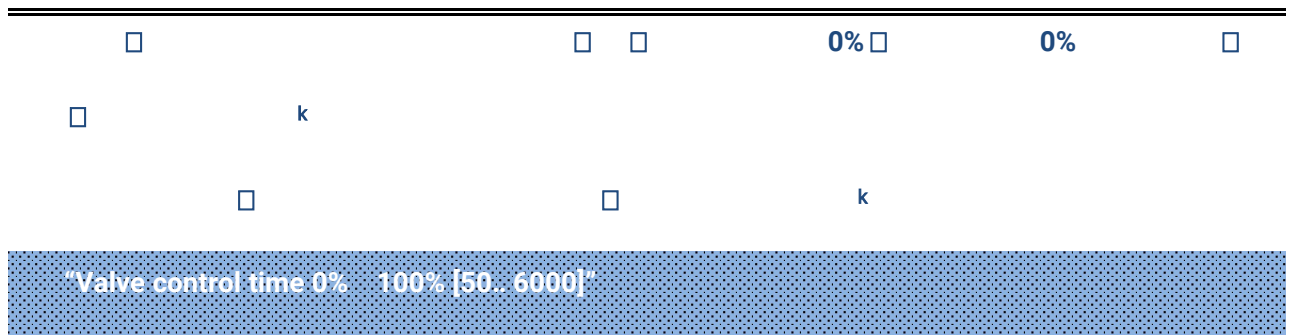
Unchange ☐

☐

k

Close al e ☐

k



KNX/

4.9.2.



K

KNX/EI

5.2.2. -- Heating actuator(without controller)

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
3	Output 1-...	On-Off control value	1 bit	C	R	-	T	-	-	-	switch	Low
4	Output 1-...	Status of contact	1 bit	C	R	-	T	-	-	-	switch	Low
7	Output 1-...	Report fault	1 bit	C	R	-	T	-	-	-	alarm	Low

1bit(on-off control or PWM)

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
3	Output 1-...	Status of contact	1 bit	C	R	-	T	-	-	-	switch	Low
4	Output 1-...	Status of continuous, 1bit	1 bit	C	R	-	T	-	-	-	switch	Low
5	Output 1-...	Control value(Continuous)	1 byte	C	-	W	-	-	-	-	percentage (0..100%)	Low
6	Output 1-...	Status of continuous, 1byte	1 byte	C	R	-	-	-	-	-	percentage (0..100%)	Low
7	Output 1-...	Report fault	1 bit	C	R	-	T	-	-	-	alarm	Low
8	Output 1-...	Forced output	1 bit	C	-	W	-	-	-	-	enable	Low

1b te(Continuous)

5.2.2 --Heating actuator(without controller)

DPT

2 On-off control value Output 1-{{...}} 1bit C,W 1.001 DPT_Switch

"Control telegram is received as "1bit(on-off control or PWM)

1bit "0 "1 k

3 Status of contact Output 1-{{...}} 1bit C,R,T 1.001 DPT_Switch

"Reply the status for contact "Yes, 1= contact close ; 0=contact open "Yes,0= contact close ;

1=contact open k

5 Control value (continuous) Output 1-{{...}} 1byte C,W 5.001 DPT_Scaling

"Control telegram is received as "1b te(Continuous)

k 0...100% "0% "100% k

1B te

4 Status of continuous,1 bit Output 1-{{...}} 1bit C,R,T 1.001 DPT_Switch

"Reply the status for continuous control "Yes 0%=0, otherwise "1 (1bit) "Yes 0%=1, otherwise

"0 (1bit) k

"

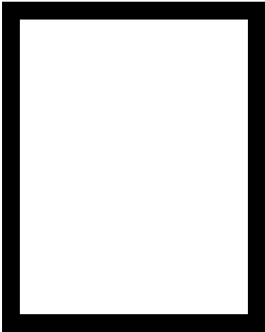
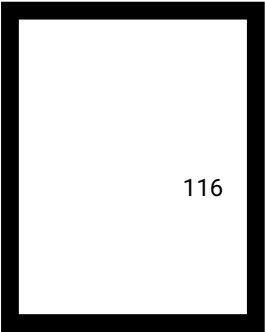
Send object "report fault" to "k"					
8	Forced output	Output 1-{{...}}	1bit	C,W	003 DPT_Enable
k "1" □ □					
□	"0"	k	□	k	□ k

5.2.2 --Heating actuator(ithot controller)

5.3. (AC/DC)

AC		DC		☐	☐	AC		k				
Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Date	Pr
002	Curtain 1...	Move UP/DOWN			1bit	C	-	W	-	-	up/down	low
003	Curtain 1...	Stop			1bit	C	-	W	-	-	stop	low
004	Curtain 1...	Reference movement			1bit	C	-	W	-	-	up/down	low
005	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
006	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
007	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
008	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
009	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
010	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
011	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
012	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
013	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
014	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
015	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
016	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
017	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
018	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
019	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
020	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
021	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
022	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
023	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
024	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
025	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
026	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
027	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
028	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
029	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
030	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
031	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
032	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
033	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
034	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
035	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
036	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
037	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
038	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
039	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
040	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
041	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
042	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
043	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
044	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
045	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
046	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
047	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
048	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
049	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
050	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
051	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
052	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
053	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
054	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
055	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
056	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
057	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
058	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
059	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
060	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
061	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
062	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
063	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
064	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
065	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
066	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
067	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
068	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
069	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
070	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
071	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
072	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
073	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
074	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
075	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
076	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
077	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
078	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
079	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
080	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
081	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
082	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
083	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
084	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
085	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
086	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
087	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
088	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
089	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
090	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
091	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
092	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
093	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
094	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
095	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
096	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
097	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
098	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
099	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low
100	Power 1...	Power ON/OFF			1bit	C	-	W	-	-	on/off	low

5.3 □AC□





KNX/EIB

KNX

4	Reference movement	Curtain 1-{{...}}	1bit	C,W	1.008 DPT_UpDown
---	--------------------	-------------------	------	-----	------------------



KNX/EIB

KNX



KNX/EIB

KNX





KNX/EIB

KNX

0--□ 1-- □ 1					
221	Fan speed 2	Fan 1-{{...}}	1Bit	C,W	1.001 DPT_Switch
220					
222	Fan speed 3	Fan 1-{{...}}	1Bit	C,W	1.001 DPT_Switch
220					
223	Status Fan ON/OFF	Fan 1-{{...}}	1bit	C,R,T	1.001 DPT_Switch
□ □ k □ 0--□ 1--□			□ □ k		
224	Status Fan speed	Fan 1-{{...}}	1byte	C,R,T	5.001 percentage(0..100%) 5.100 fan-stage
□ □ k □ k □ □ k			□ Stat s al e for Fan speed 1/2/3 □ □ "0 □		
225	Status Fan speed 1	Fan 1-{{...}}	1bit	C,R,T	1.001 DPT_Switch
□ □ k □ 1 k 0-- □ 1 1-- □ 1					
226	Status Fan speed 2	Fan 1-{{...}}	1bit	C,R,T	1.001 DPT_Switch
225					
227	Status Fan speed 3	Fan 1-{{...}}	1bit	C,R,T	1.001 DPT_Switch
225					
228	Automatic function	Fan 1-{{...}}	1bit	C,W	1.003 DPT_Enable
k □ k □ □ □ □ □ k □ □ □ "0 □ A to/1=Cancel □ 0-- 1--			k □ k □		

□ "1 □ A to/0=Cancel □

0--

1--

5.5. □

□ 4 □ k

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
315	4-pipe Valve 1-...	Heat/Cool mode status			1 bit	C	R	-	T	-	cooling	Low
316	4-pipe Valve 1-...	Control value, Cool			1 byte	C	-	W	-	-	percentage (0..100%)	Low
317	4-pipe Valve 1-...	Valve status, Cool			1 bit	C	R	-	T	-	switch	Low
322	4-pipe Valve 1-...	Disable Cool			1 bit	C	-	W	-	-	enable	Low
323	4-pipe Valve 1-...	Trigger valve purge, Cool			1 bit	C	-	W	-	-	enable	Low

5.5 □

DPT

315	Heat/Cool mode status	4-pipe Valve 1-{{...}}	1bit	C,R,T	1.100 DPT_Heat/Cool
	□ □ / □		k		
	0--				
	1--				
	□ "Description (max. 30 char.)	□	□ □	"4-pipe Valve 1-... k	k
316	Control value fault	4-pipe Valve 1-{{...}}	1bit	C,R,T	1.005 DPT_Alarm
		□	□ k	□ □ □	
	k				
	0-- □				
	1-- □				
317	Disable, Heat	4-pipe Valve 1-{{...}}	1bit	C,W	1.003 DPT_Enable
322	Disable, HCool	4-pipe Valve 1-{{...}}	1bit	C,W	1.003 DPT_Enable
	□ □ / □	k	□ □	0% □	□ □ □
	□ □ □ □ □				



KNX/EIB

KNX

324	Valve status, Cool	4-pipe Valve 1-{{...}}	1byte	C,R,T	5.001 DPT_Scaling
			1bit		1.001 DPT_Switch
	☐	☐		k	
320	Trigger valve purge, Heat	4-pipe Valve 1-{{...}}	1bit	C,W	1.003 DPT_Enable
325	Trigger valve purge, Cool	4-pipe Valve 1-{{...}}			

5.5 ☐

8/W

4-pipe Valve 1-{{...}}

09

4-pipe

124