

K-BUS

□

注意事项

1、请远离强磁场、高温、潮湿等环境；



远离强磁场



远离高温



防潮

2、不要将设备摔落在地上或使之受到强力冲击；



小心轻放

3、不要使用湿布清洁设备，以免发生触电事故；



4、请勿将设备浸入水中；

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4

LED

86

KNX

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0 0

0 0

0 0

0 0 0

0 0

0

0 0 0 0

-- 0 0 0 0 LED 0 0 0 0 12V 8 0 0 0 0

0

0 0

0 0 0 0

0

0 / 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 knxprod 0 0 0 0 ETS (ETS5 0

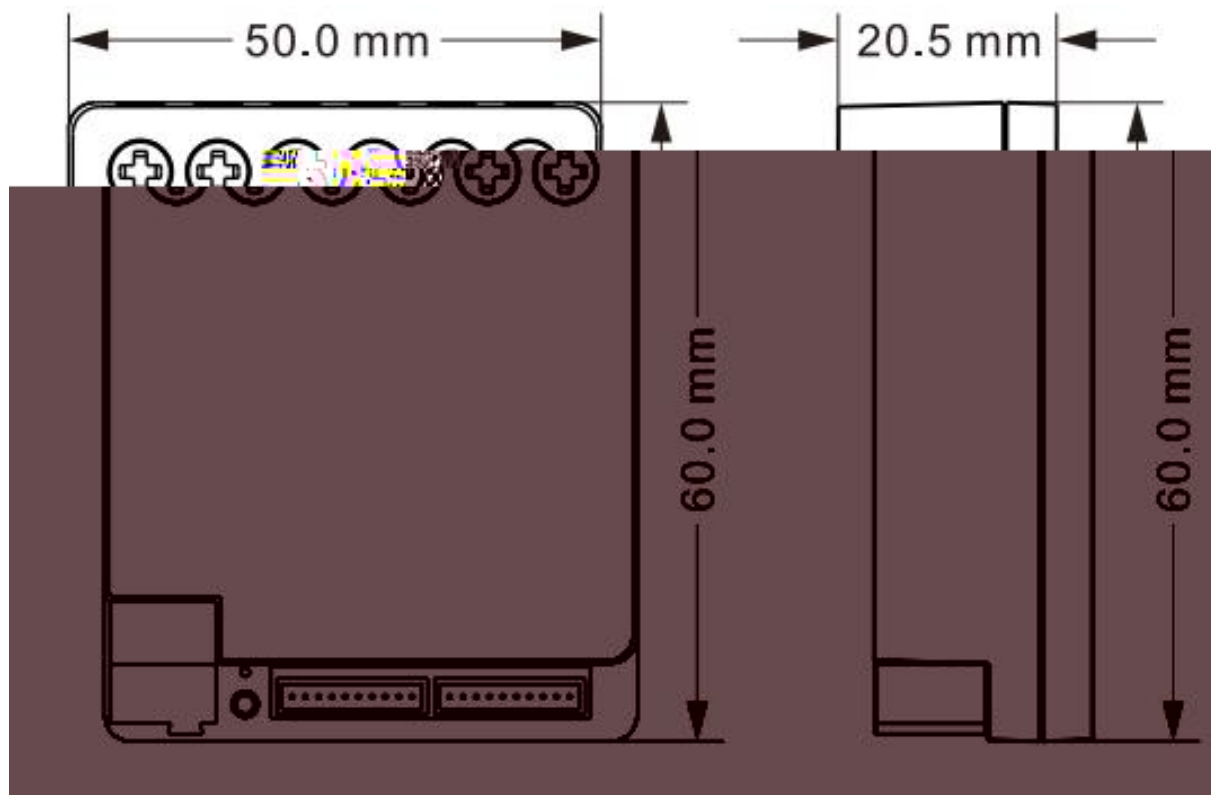
0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 0 0 0 0 0 0 0

			21-30V DC, 0.5A
			<45.8mA/24V, <36.0mA/30V
			<11.5mA/24V, <10.0mA/30V
			<1123.2mW
			<300.0mW
			<57.2mA
	U _n		230V AC 50/60Hz
	I _n		16A
			370A/1.25ms
			>5x10 ⁴
		12V	6mA
	KNX		(0.8mm)
			0.2-2.5mm ²
	/LED		≤5M
		LED	
			-5 °C ... + 45 °C
			-25 °C ... + 55 °C
			- 25 °C ... + 70 °C
			<93%, 0.5A
	86		

Multifunctional Actuator with Secure,4-Fold,Flush Mounted/1.0	101	250	250	250



CVS

K-BUS

KNX/EIB

KNX

4

1

1

ETS

KNX 4 KNX KNX

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > KNX Secure

KNX Secure

General

Outputs setting

UI setting

KNX Data Secure

KNX Data Secure is available in this device,it effectively protects user data against unauthorised access and manipulation by means of encryption and authentication for the installation.

ETS can active or deactivate security function.Detailed specialist knowledge is required.

Device certificate

The device certificate label stick called FDSK is attached beside the device,and must use for security function,make sure keep securely.

4.1 (1) "KNX Secure"

KNX KNX ETS 4.1(1)

KNX Data Secure is available in this device,it effectively protects user data against unauthorised access and manipulation by means of encryption and authentication for the installation.

ETS can active or deactivate security function.Detailed specialist knowledge is required.

KNX

ETS

The device certificate label stick called FDSK is attached beside the device,and must use for security function,make sure keep securely.

FDSK

ETS

Secure Commissioning

Activated

KNX

8

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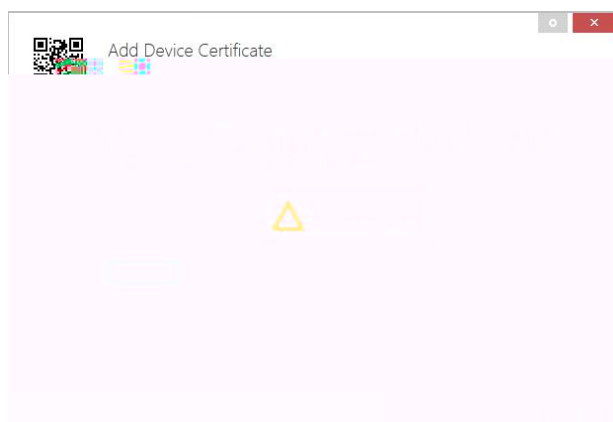
11 11 11 11

☐ ☐ **KNX** ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ **FDSK** = ☐ ☐ ☐ ☐ ☐

ETS

ETS 4.1 (2)

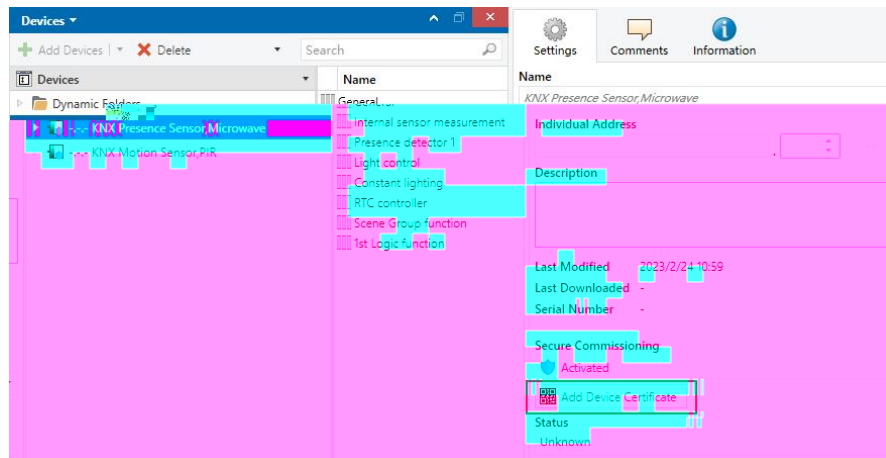
QR



4.1(2) Add Device Certificate

ETS

☐ ☐ ☐ ☐ ☐

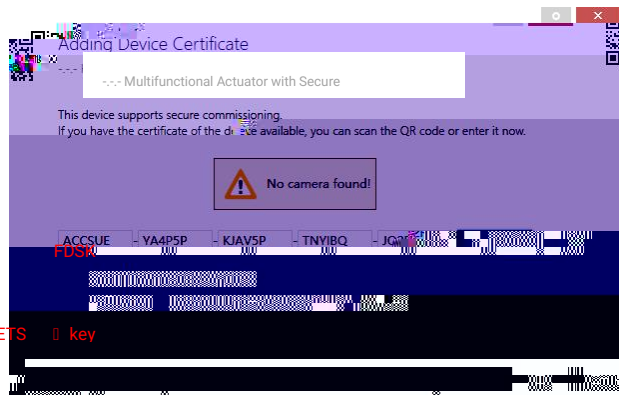


4.1(4) Add Device Certificate

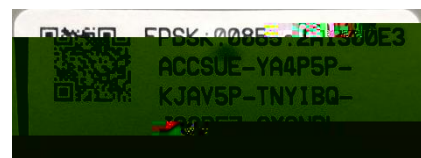
FDSK

FDSK ETS 4.1(5)

FDSK

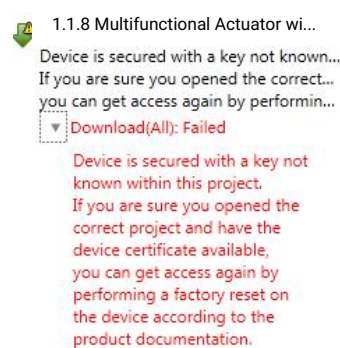


4.1(5)



4.1(6) "Yes" "Add Device Certificate" FDSK

4.1(6)



□ □ □ □ "Add Device Certificate" □ □ □ □ □ □ □ □ □ □



```

4.1(8)
.knxkeys

```



1

“General”

4.2

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > General

KNX Secure

Operation delay after bus recovery
[5..250]

5

s

General

Sending cycle of “In operation” telegram
[1..240,0=inactive]

0

s

+ Outputs setting

+ UI setting

4.2

“General”

3s

operation”

“0”

“In operation”

“1”

Outputs config as 4.3

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting

KNX Secure	Outputs config as	Switch/Curtain AC
General	Output 1 & 2 function	Switch
Outputs setting	Output 1 Switch	☐
UI setting	Output 2 Switch	☐
	Output 3 & 4 function	Curtain AC
	Curtain 2 output is fixed for	Output 3(Up/Open)& Output 4(Down/Close)

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting

KNX Secure	Outputs config as	Curtian output (Dry contact)
General	Curtain 1 output	☒
Outputs setting	Curtain 1 output is fixed for	Output 1(Up/Open)& Output 2(Down/Close)
	Curtain 2 output	☒
	Curtain 2 output is fixed for	Output 3(Up/Open)& Output 4(Down/Close)

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting

KNX Secure	Outputs config as	Fan control
General	Fan output is fixed for	1level:1; 2level: 1&2&3
Outputs setting	If Fan speed set to 1 or 2 level, Output 3 & 4 as switch output <--Attention	

4.3 Channel configuration



GVS

K-BUS

KNX/EIB

KNX

4

' Yŵ q^ Ÿ P CqY 8

2 0 0 0 0 0 0 0 Output 1 Output 2 Output 3&4 0 0

3 □ □ □ □ □ □ □ □ □ **Output 1, Output 2** **Output 3**

I

□ □ □ □ □ □ □ □ □ □

☐ ☐ ☐ ☐ ☐

4

Output X Switch"

4.4.1

1

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting > Output 1

KNX Secure

General

Outputs setting

Output 1...

UI setting

Description (max 30char.)

Work mode of the channel is

If bus recovery, output status is

If bus failure, output status is

After downloading,output status is

Set the reply mode of switch status

Object value of switch status

Switch actuator

Heating actuator(without controller)

Unchange

Unchange

Contact open

As bus recovery

Respond after read only

Respond after change

0=contact close;1=contact open

1=contact close;0=contact open

4.4.1(1)

30

Switch Actuator

"Switch actuator"

Heating actuator without controller 4.5



"Unchange"

"Contact open"

"Contact close"

"As before as bus fail"



"Unchange"

"Contact open"

"Contact close"



"Contact open"

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

"Contact close" 1 0

0 0 0 0 0 0 0 0 0 0 0 0

0 0

0 0 0 0 0 0 0 0 "Output X: Function" 0 0

0 0 0 0 0 0 0 0 0 0 4.4.1(2) 0

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting > Output 1-... > O1: Function

KNX Secure

General

Outputs setting

Output 1-...

O1: Function

UI setting

Function of "Time"
Function of Logic
Function of "Scene"
Function of "Forced"
Function of "Operation hours counter"

4.4.1(2) 0 0 0 0 0 Output X: Function 0

4.4.1(2)“Output X: Function”

“Function of “Time””

4.4.2

“Enable time function”

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting > Output 1-... > O1: Time

KNX Secure

General

Outputs setting

Output 1-...

O1: Function

O1: Time

UI setting

Type of time function

Delay for switch on(contact close)
--[0..240]

Delay for switch off(contact open)
--[0..240]

Delay

0 min

0 s

0 min

0 s

4.4.2

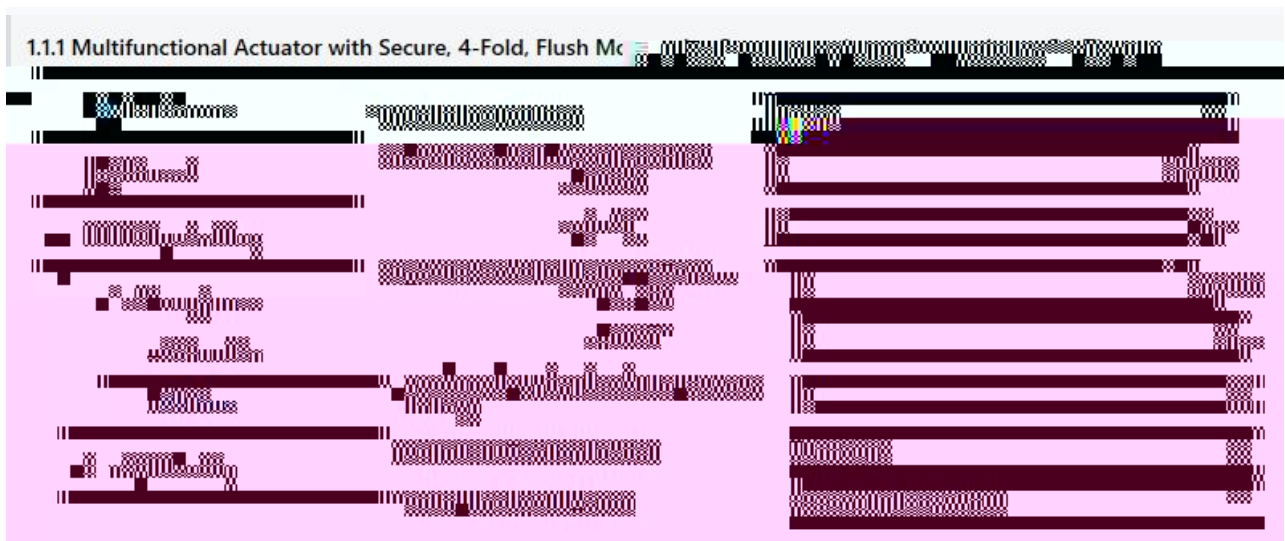
Output X: Time - Delay



“ ” 4.4.2 “Delay function”



“Type of time function” “Flashing” 4.4.2.2



4.4.2.2 Output X: Time - Flashing

Flashing “Flashing function” “Duration

of switch on” “Duration of switch off”

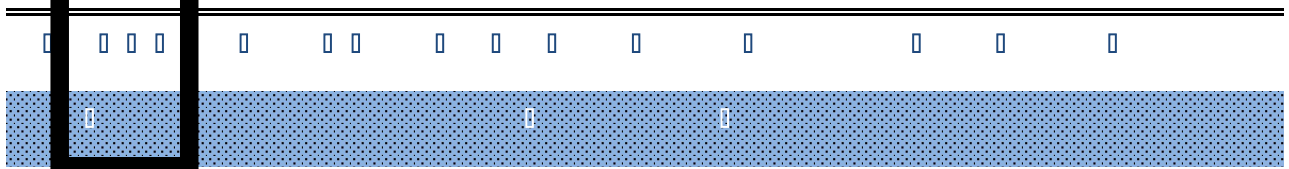




K-BUS

KNX/EIB KNX

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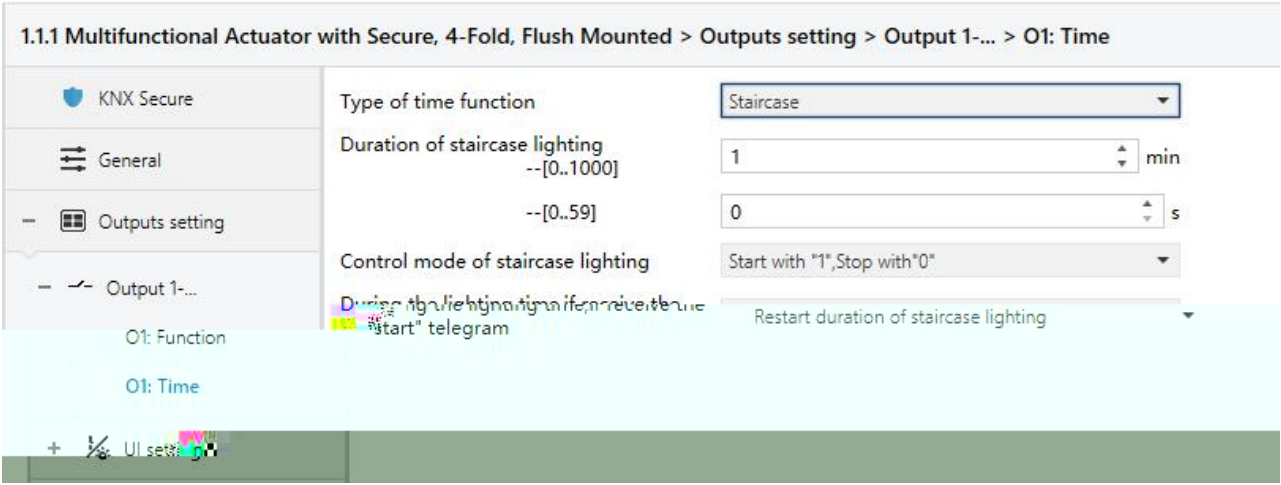


1...255 0 /



“Start with ‘1’” Stop

“Type of time function” “Staircase” 4.4.2.3

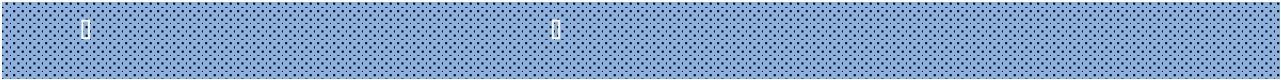


4.4.2.3 Output X: Time - Staircase

“Staircase function”



//



//

//

“Start with ‘1’ , Stop with ‘0’” “1” “0”

“Start with ‘1’, no reaction with ‘0’” “1” “0”

“Start with ‘0/1’, can not be stop” “0” “1”

“Start with ‘1’, OFF with ‘0’”, “1” “0”

16

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16

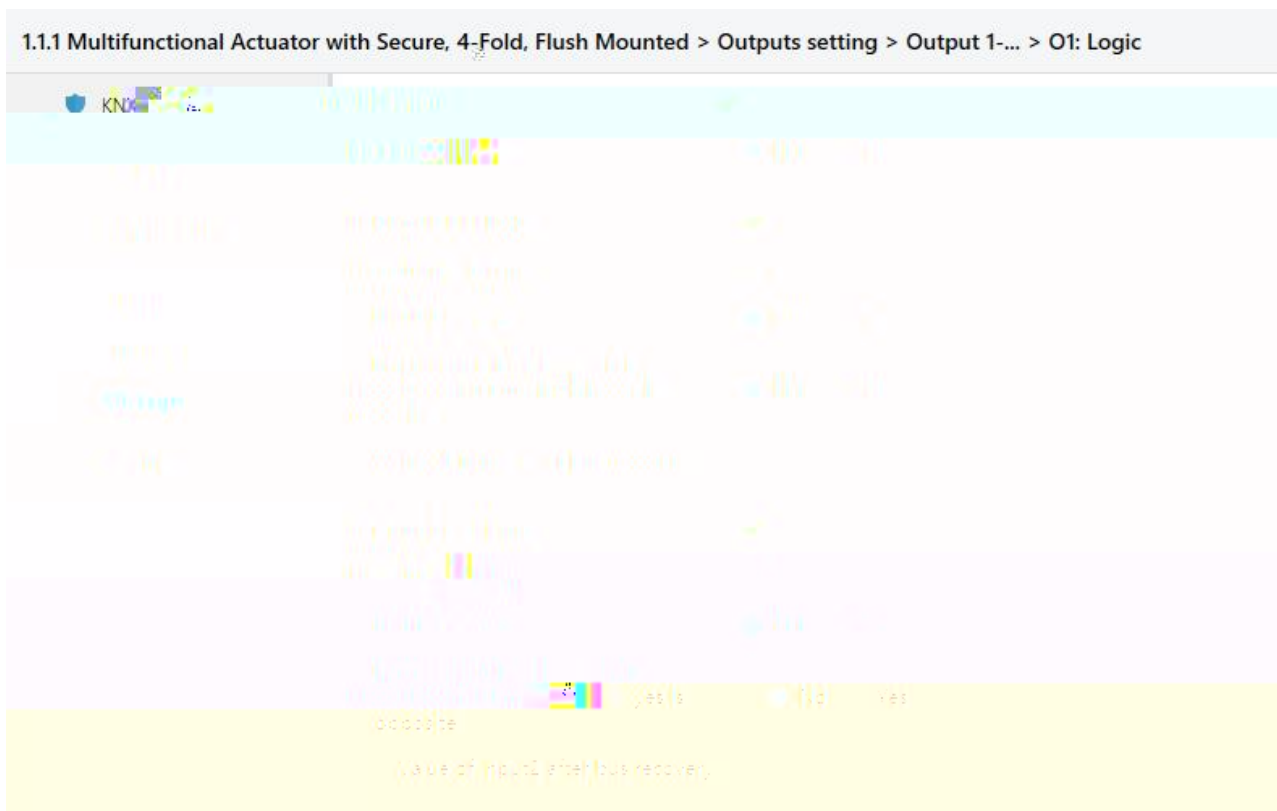
16

4.4.1(2) "Output X: Function"

"Function of "Logic" "

"Enable"

4.4.3



4.4.3

Output X: Logic

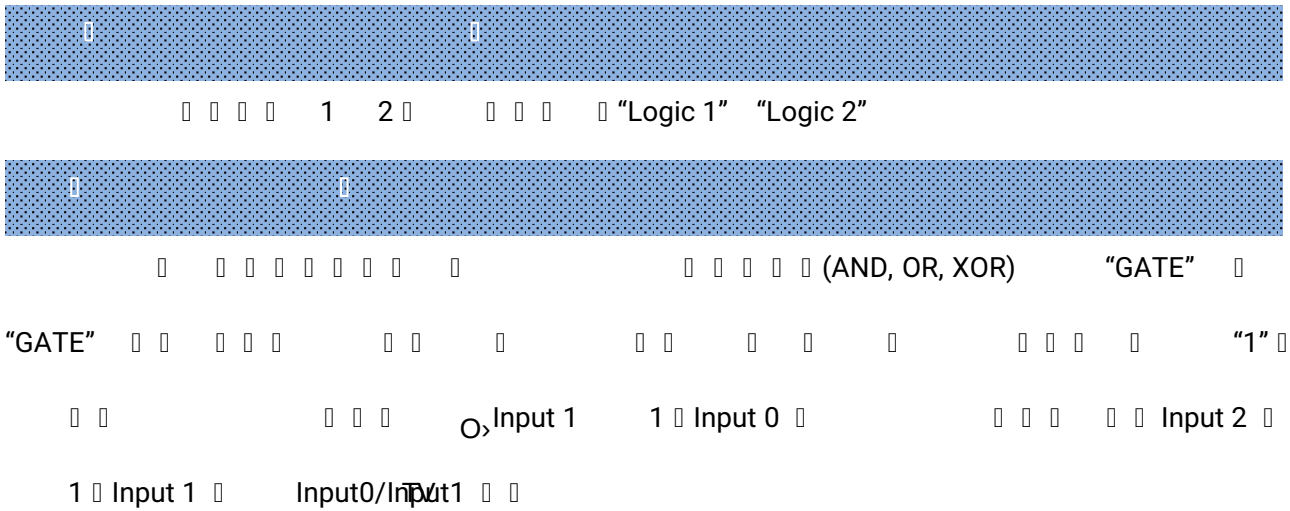
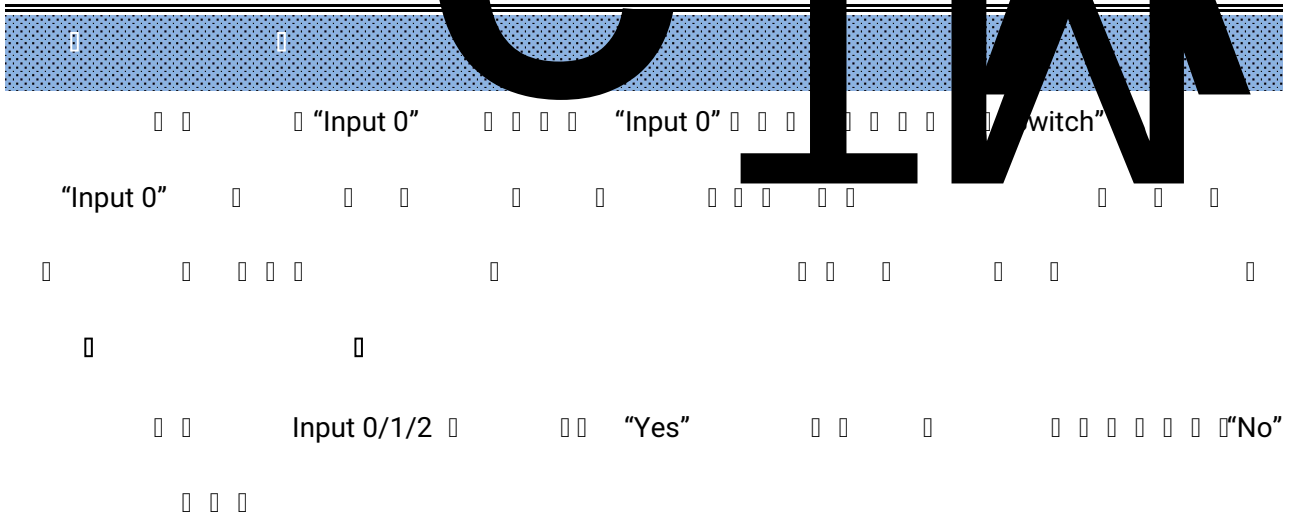
"Switch"

"1"

"0"

"Logic 1"

"Switch"



Input0(Switch
)

Input1

Result of Input
0/1

Input2

Output

AND

0

0

0

0

0

0

1

0

1

0

1

1

1

0

0

0

0

1

1

1

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XOR

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0

1

1

GATE

0

Closed

Closed

0

Open

0

Open

0

1

Closed

Closed

1

Open

1

Open

1

1 "Input 1"

"Switch"

"Input 2"

2

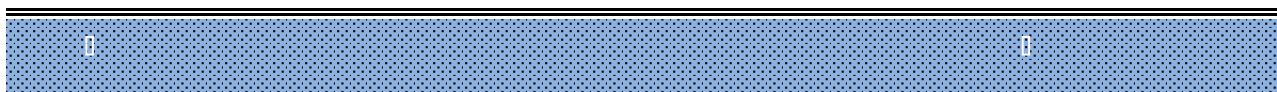
3

4 (GATE)

Input1

Input0

Input2



□ □

□ □ □ □ □

□ □

"Yes"

□ □ □ □ □

□ "No"

□ □ □



□

□

□

□ □

□ "Logic 1/2" □ □ □ □ □

□

□ "1" "0"

□

□

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4.4.1(2) "Output X: Function"

□

"Function of "Scene" " □

"Enable"

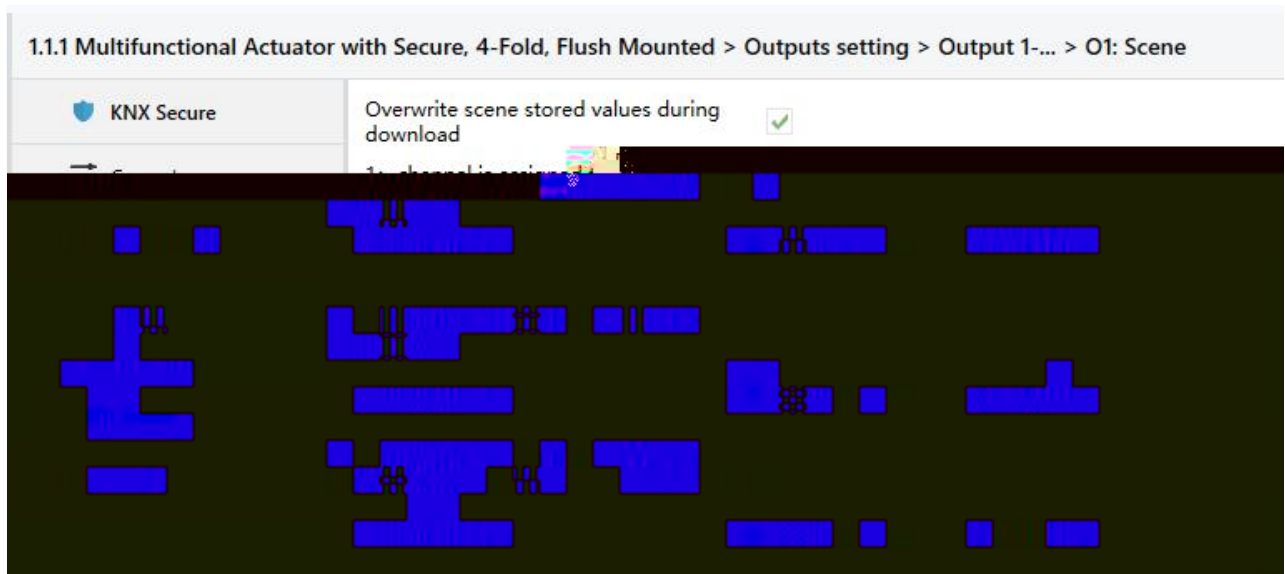
□

4.4.4

□ □

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□ □



4.4.4 □ □ □ □ □ Output X: Scene □



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“Function of “Forced” ”

1

4.4.5 'ESAPKÖü' Output X Forced t3

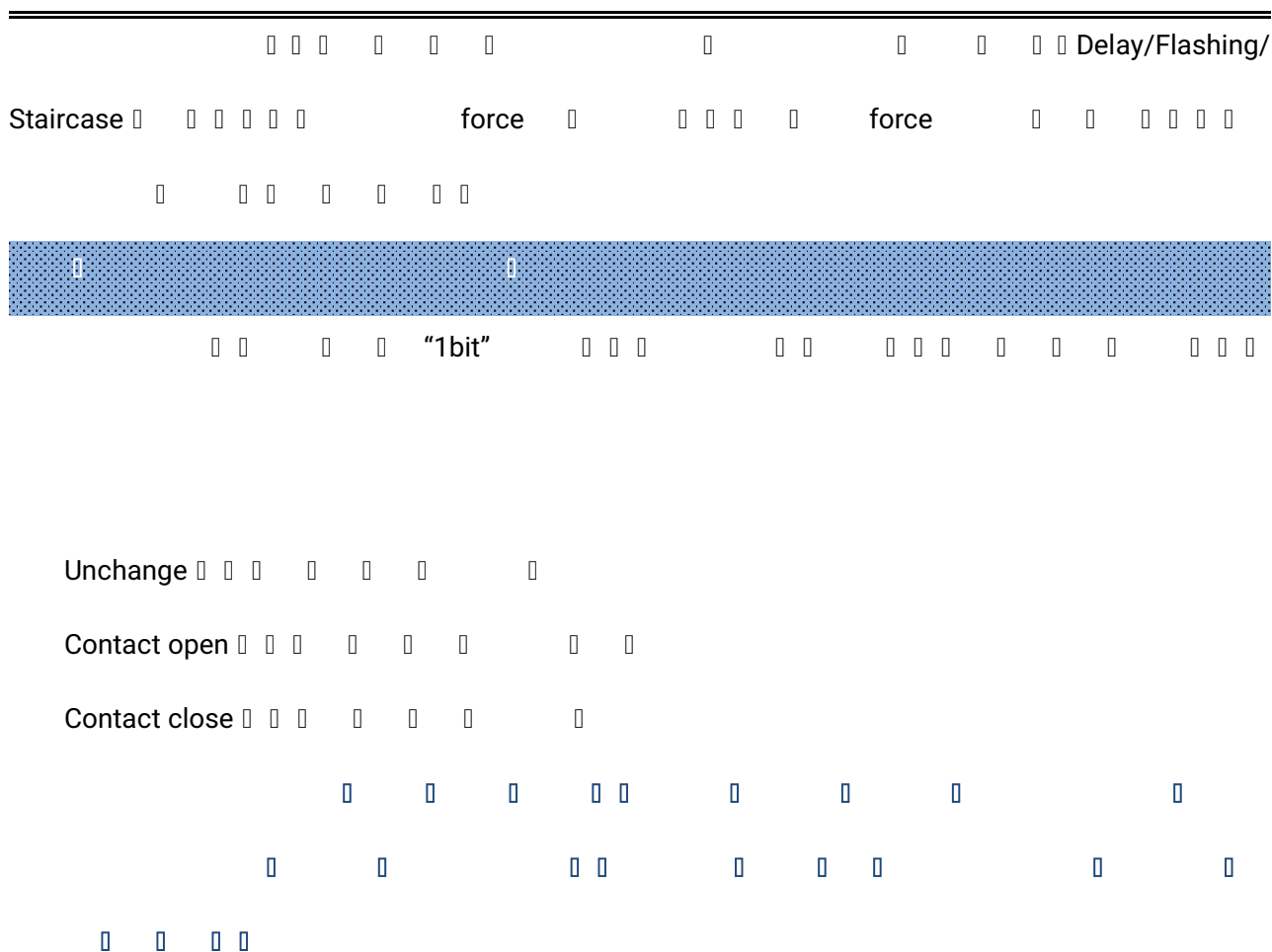
[illegible]

I'VE

CV31 1.. 0\0J

!

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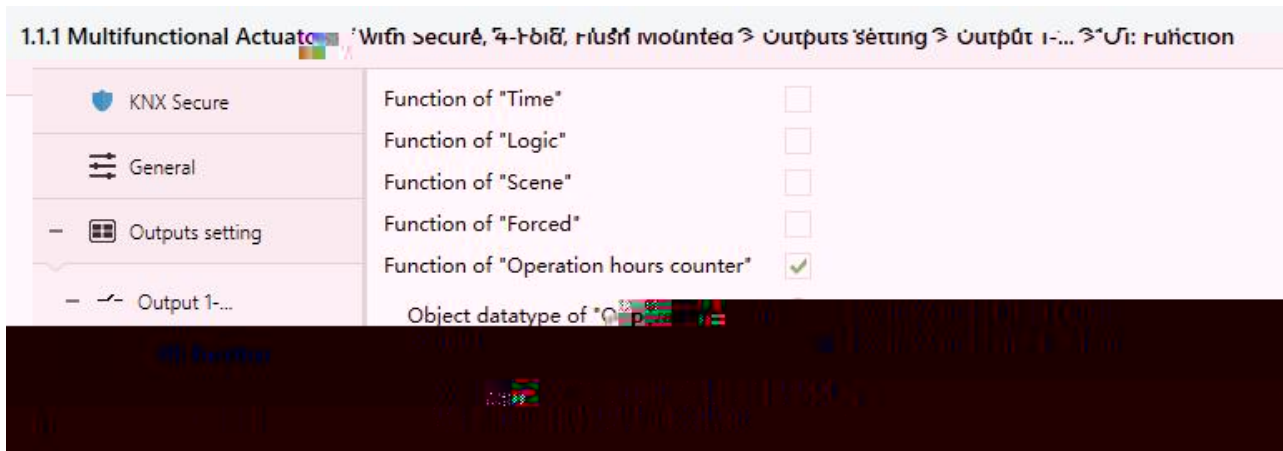


4.4.1(2) "Output X: Function"

"Function of "Operation

hours counter" " "Enable"

4.4.6



4.4.6

Output X "Operation hours counter"



2 byte Value in h (DPT 7.007)

2 byte 4 byte Value in s (DPT 13.100)

4 byte



0 1-100 1 100

Object datatype of "operation hours counter" 2byte

4byte s

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

4.5(1) 4.5(2) 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 0 0

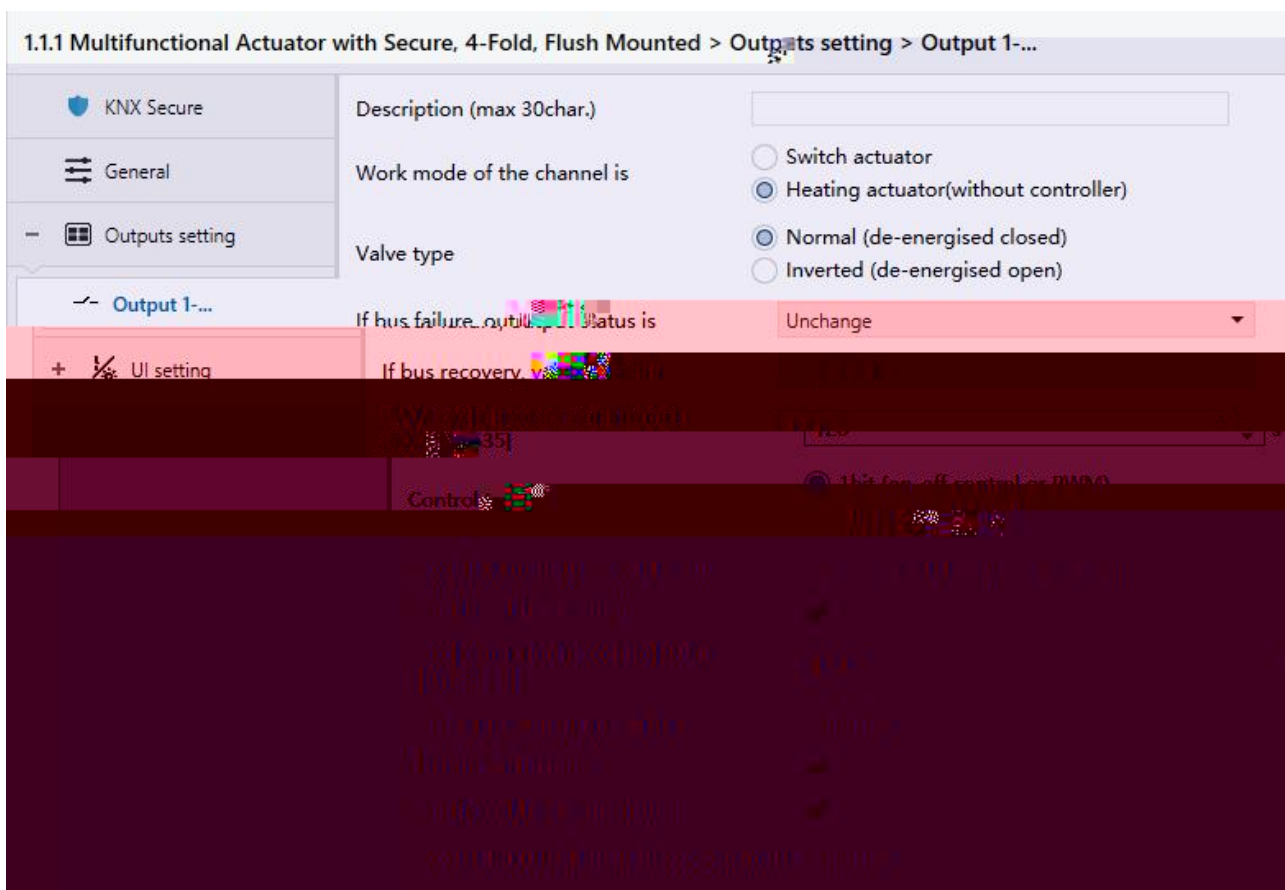
0 0 0 0 0 0 1bit 1byte 1bit 0 0 0 0 0

On-off control value 0 0 0 0 1byte 0 0 0 0 0 Control value

(Continuous) 0 0 0

0 0 0% / OFF 0 0 0 0 100% / ON 0 0 0~100% 0 0

0 x% 0 0 0 0 0 0

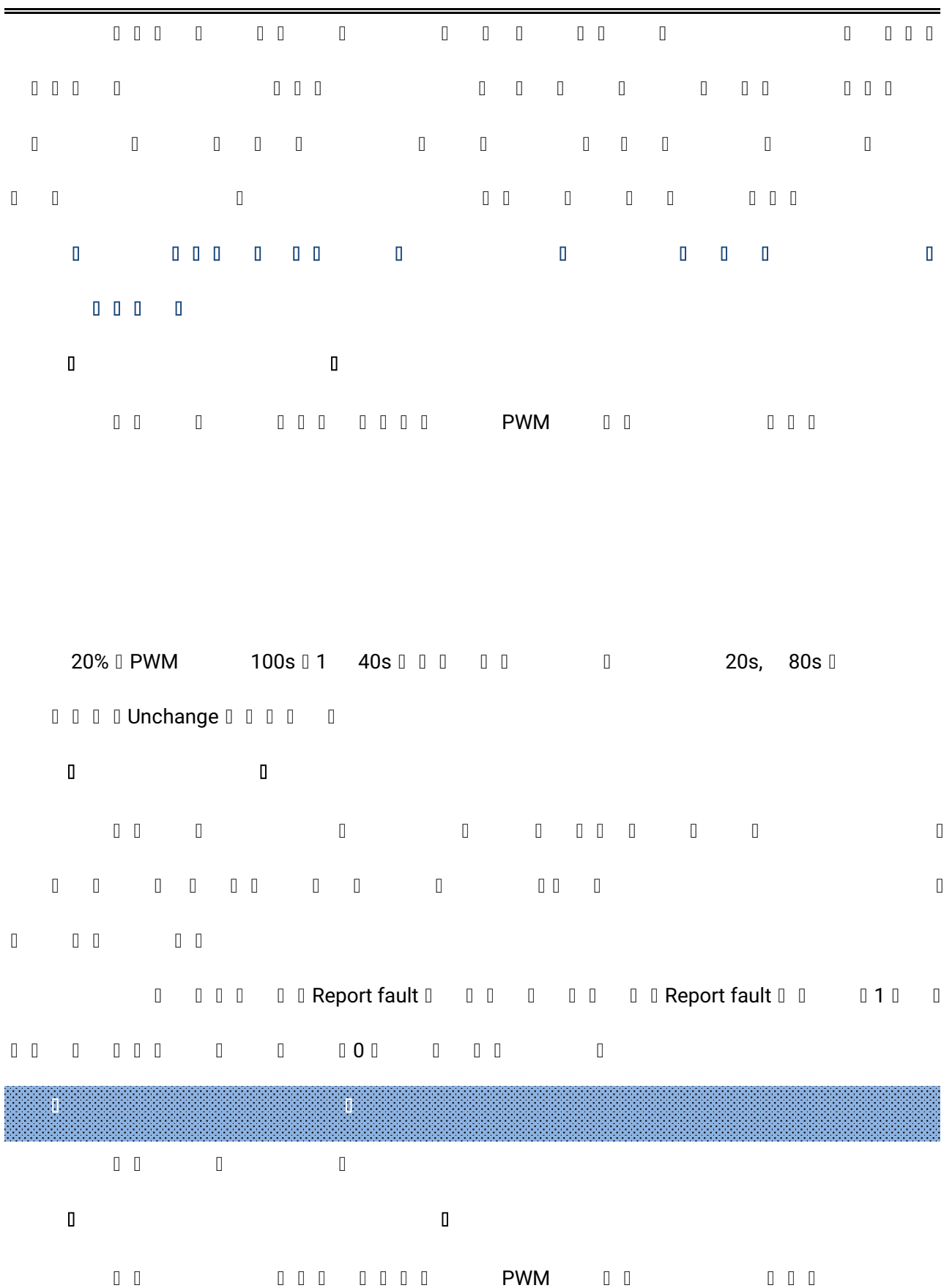


4.5(1) 0 0 0 0 Output X Heating actuator (without controller)_1bit on-off control or PWM 0

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting > Output 1-...

KNX Secure General Outputs setting Output 1-... UI setting	Description (max 30char.) Work mode of the channel is Valve type If bus failure, output status is If bus failure, valve position PWM cycle time for continuous [60..65535] Control type Reply the status for continuous control Reply the status of the output state Function of monitoring Cyclic monitoring control value [0..65535] Valve position during fault Report fault status Function of forced operation Valve position during forced operation	☐ Switch actuator ☒ Heating actuator(without controller) ☒ Normal (de-energised closed) ☐ Inverted (de-energised open) Unchange 0%[Closed] 120 ☐ 1bit (on-off control or PWM) ☒ 1byte (Continuous) No reply Yes: 1-res, 1-de-energise, 0-use, 0-de-energise, 0-open ☒ 120 Unchange ☒ ☒ Unchange
--	---	---

4.5(2) Output X Heating actuator(without controller)



Unchange

40%

60%

monitor

2

"AC-motor",

"Output Curtain"

4.6.1

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting > Curtain 1-...

KNX Secure

General

Outputs setting

Curtain 1-...

C1: Drive

C1: Auto.

C1: Scene

C1: Safety

UI setting

Description (max 30char.)

Config channel function as

Motor type

If bus recovery, position is

If bus failure, position is

After reference movement, Position is

Position of slat after arriving on low end position

When blind is under end position, up/down object function is

Set response mode for position

☒ Venetian Blind ☐ Shutter

AC-motor

Unchange

Unchange

Disable

100 %

☒

☐ Respond after read only ☒ Respond after change

4.6.1



"Venetian Blind"

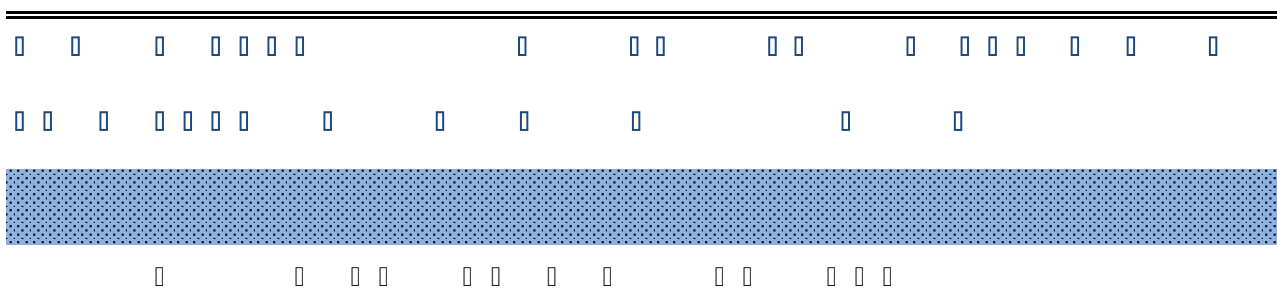
"Shutter"

"Venetian Blind"

"Venetian Blind"



"AC-motor"

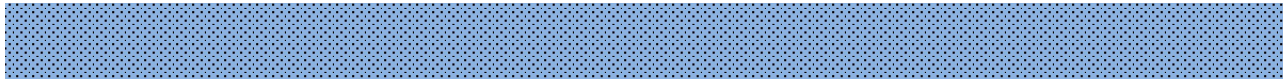


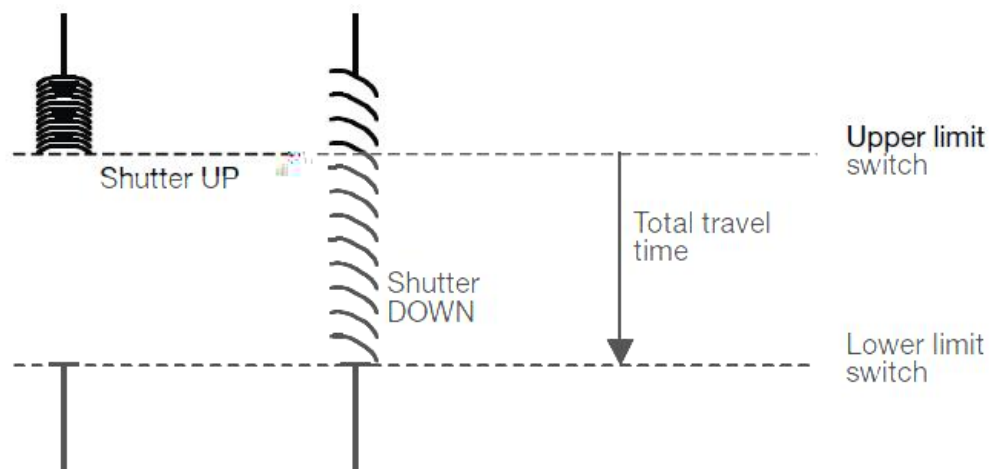
“Disable”

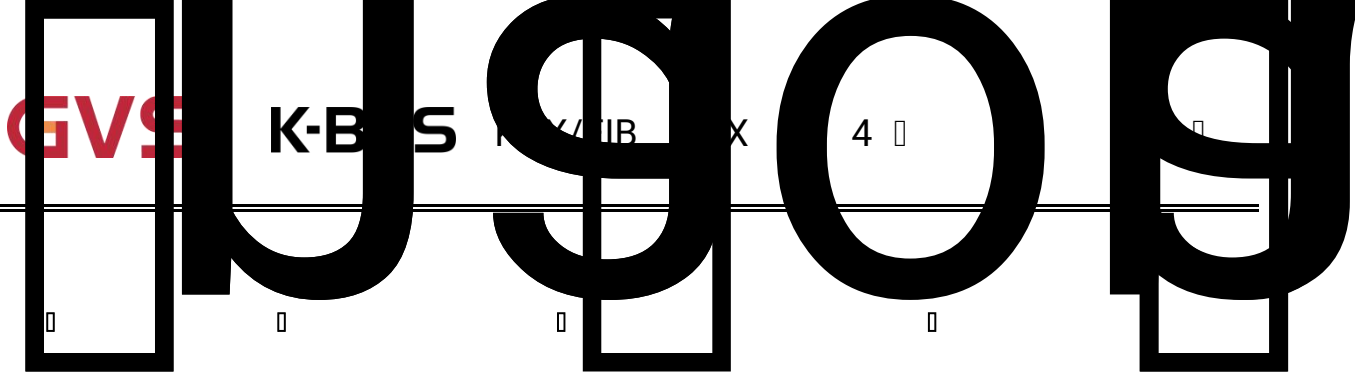
“No reaction” “reference movement” ‘0’

‘1’

“Move to saved position” “1”







“Enable auto. control”

//

//

“Enable auto. control” 0

“Enable auto. control” 1

“Enable auto. control”

“yes”

“ Enable auto. control”

"No reaction" "Sun operation" "1" 0 0 0 0 0 0 0 0

0 0 0 0 0 0 0 0

"Receive 1 byte value" "Sun operation" "1" 0 0 0 0 0 0 "Sun:

blind/shutter position 0..100%" "Sun: slat adj. 0..100%" 0 0 0 0 0 0

0 0 0 0 0 "130"(51%) 0 0 0 0 0 0

0 0 0 0 0 0 0 0

0 0

0 0 0 0 0 "Sun operation" "1" 0 0 0 0 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 0

0 0

0 0 0 0 0 "Sun operation" "0" 0 0 0 0

0 0 0 0

0 0

0 0 0 0 0 "Sun operation" "0" 0 0 0 0 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 0

0 0 0 0 0 0 0 0

"Curtain: Scene"

4.6.1.3

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1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting > Curtain 1-... > C1: Scene

KNX Secure	Function scene	☒
General	Overwrite scene stored values during download	☒
Outputs setting	1> Channel is assigned to [1..64,0=no assignment]	0
Curtain 1-...	Shutter position: [0..100] (0=top,100=bottom)	0 %
C1: Drive	2> Channel is assigned to [1..64,0=no assignment]	0
C1: Auto.	Shutter position: [0..100] (0=top,100=bottom)	0 %
C1: Scene	3> Channel is assigned to [1..64,0=no assignment]	0
C1: Safety	Shutter position: [0..100] (0=top,100=bottom)	0
+ UI setting	4> Channel is assigned to [1..64,0=no assignment]	0
	Shutter position: [0..100] (0=top,100=bottom)	0

4.6.1.3

Curtain

Scene



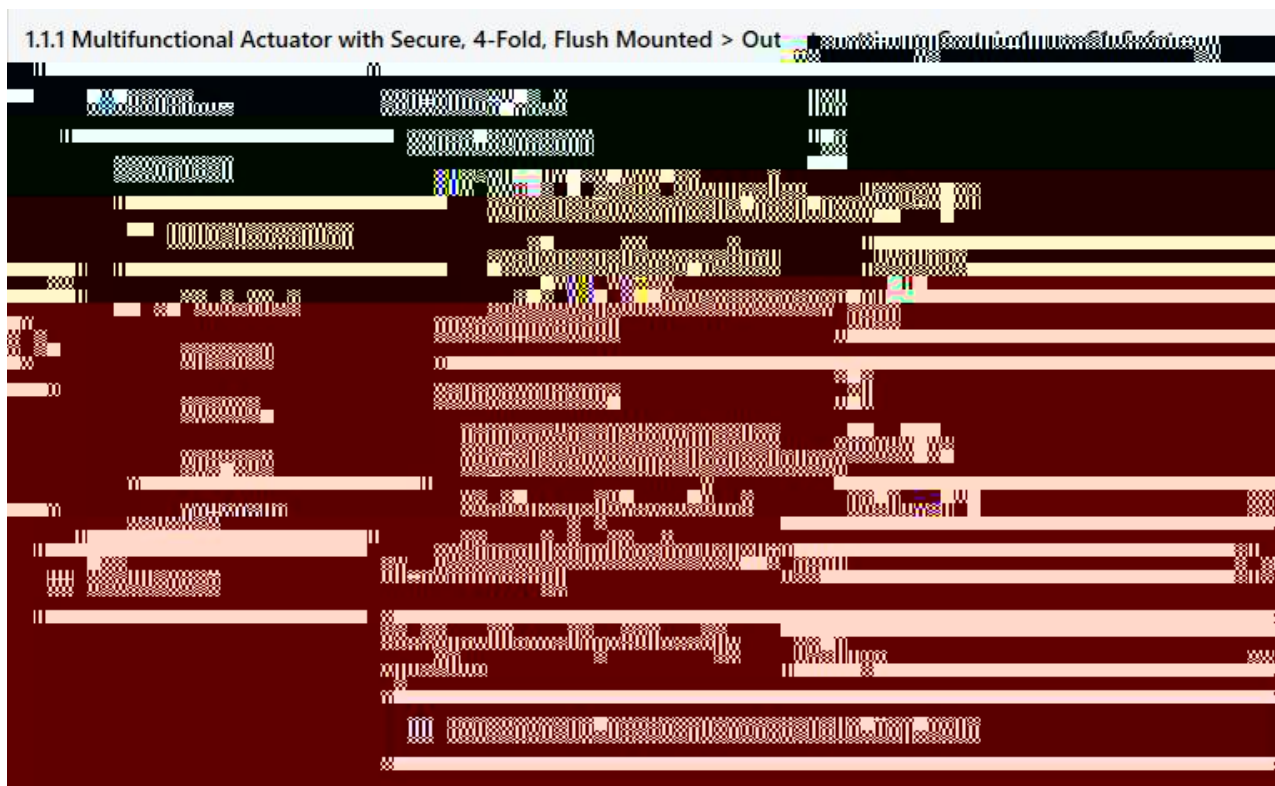
64

8

//

"Curtain: Safety"

4.6.1.4



4.6.1.4



"Safety operation 1/2"



" "

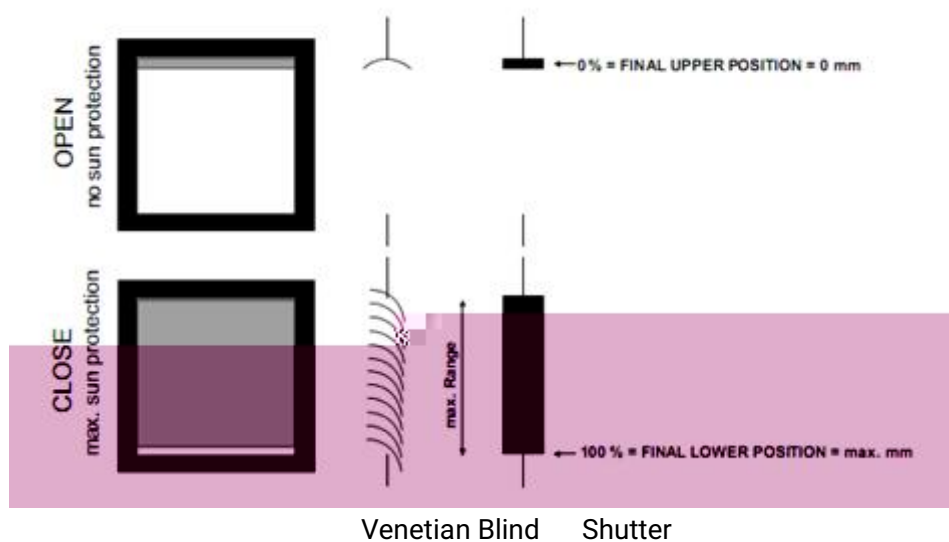
"Safety operation 1/2"

"0"

"Shutter" "Venetian Blind"

"Shutter" "Shutter"

"Shutter" "Venetian Blind"



Venetian Blind Shutter

"Shutter" "Venetian Blind" ()

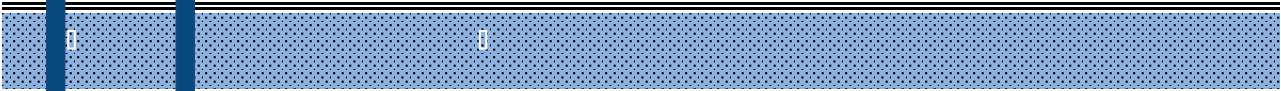
2

1

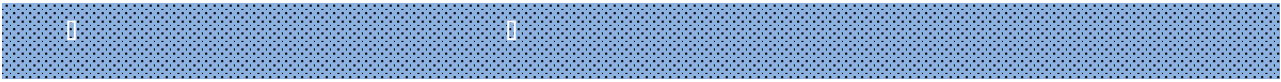


K-BUS KNX/EIB KNX

4 0 0



0 0 0 0 0 0 0 0 0 0 0 0



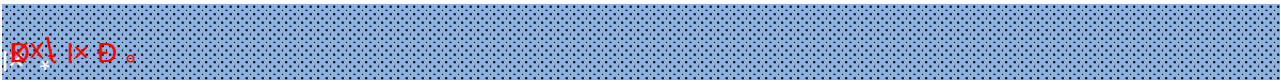
0 0 0 0 0 0 0 0 0 0 0 0

Unchange: 0 0

OFF 0 0 0 0

ON 0 0 0 0

As before as bus fail 0 0 0 0



0x1 1x 0

NK vû K

0=Force/1=Cancel

"Forced operation"

"0"

"1"

1=Force/0=Cancel

"Forced operation"

"1"

"0"

Unchange

OFF

ON

4.7.2.1

None

Switch delay

ON

"Delay time

[1..65535]*0.1s"

"Fan speed"

"1"

Minimum time

"Minimum time[1..65535]s"

None

Switch delay OFF "Delay time

[1..65535]*0.1s"

Minimum time

"Minimum time[1..65535]s "

1...65535

1...65535

KNX/E

1=Auto/0=Cancel

Automatic function

1

0



Control

value



0

10

50

60

+

40

-

0 0 0

40~60

0 0

0 0 0

0 0

0 0

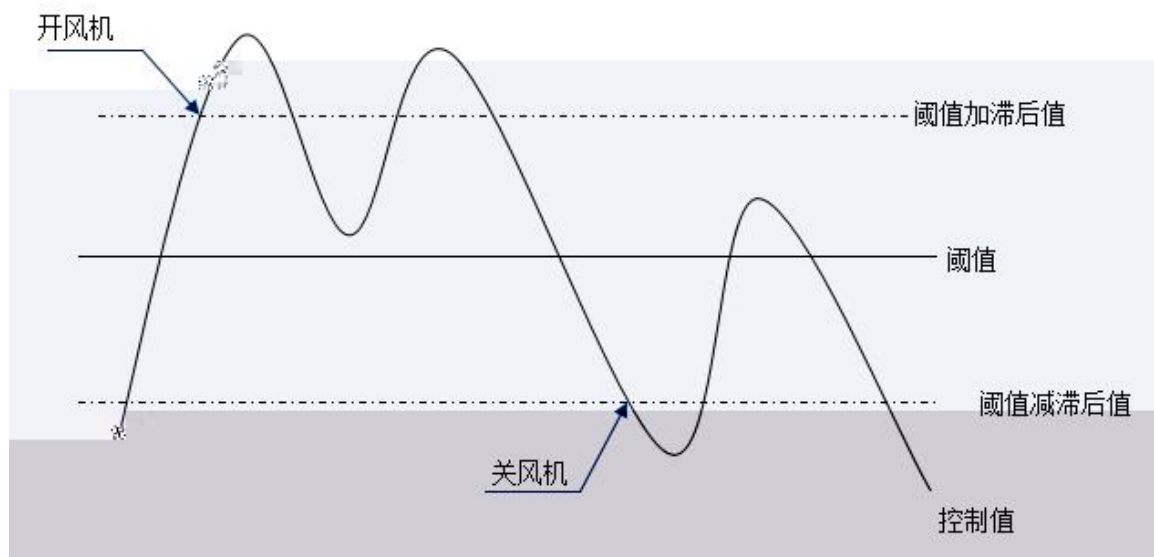
40

0 0

0 60

0

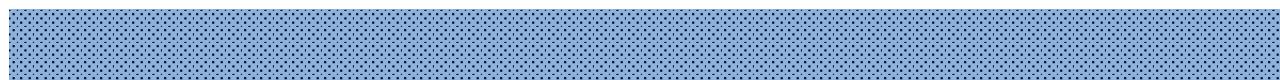
0 0



0

0 0

0 0 0



0

0 0 0 0

0 0 0

0 0

0 0 0

1

0

0 0 0 0 0

0

0 0 0 0 0

0 0 0

2

0

0 0 0 0 0

0

0 0 0 0 0

0 2

0 0 0 0

0

0 0 0

Latest value 0 0

0

0

0 0 0

Control value with switching object 0 0

0 0 0

0 0 Switching control value1/2 0

0 0

0 0 0

0 0

1 0

1

2

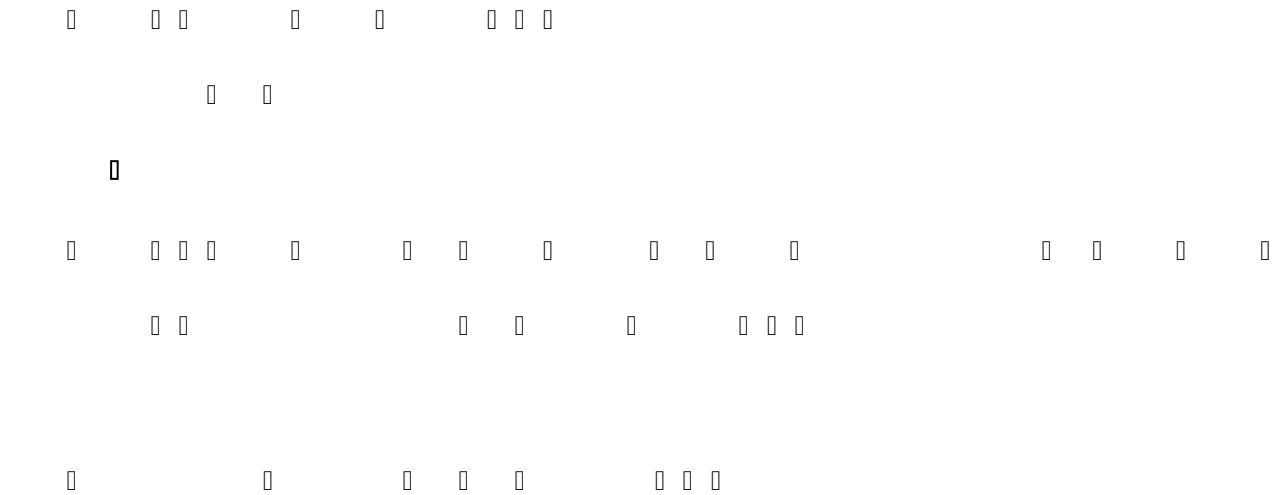
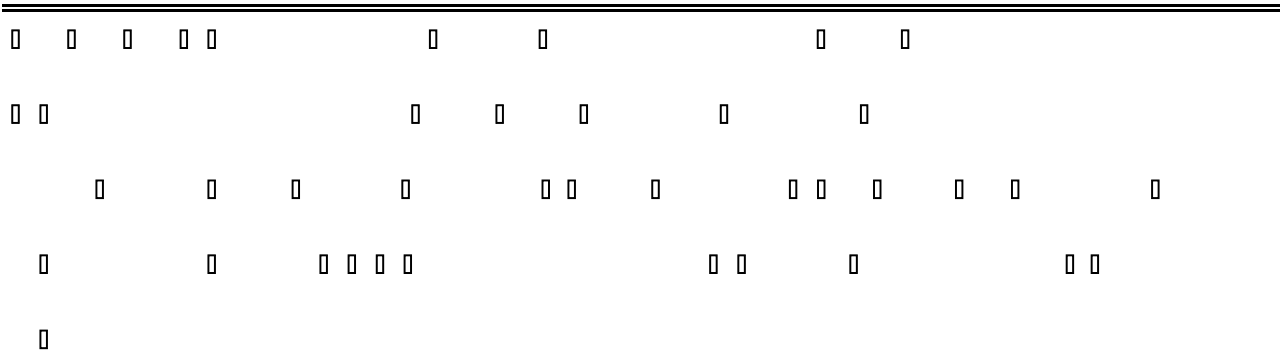
0 0

0 0

0 0

0 0

0



Respond after read only

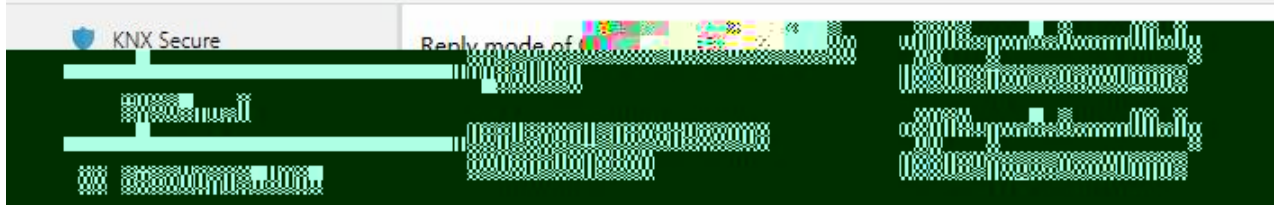
"Control value fault"

Respond after change

fault"

Fan: Status 4.8.1.2

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting > Fan-... > F: Status



4.8.1.2 Fan: Status



Respond after read only

Status Fan ON/OFF

Respond after change Status

Fan ON/OFF



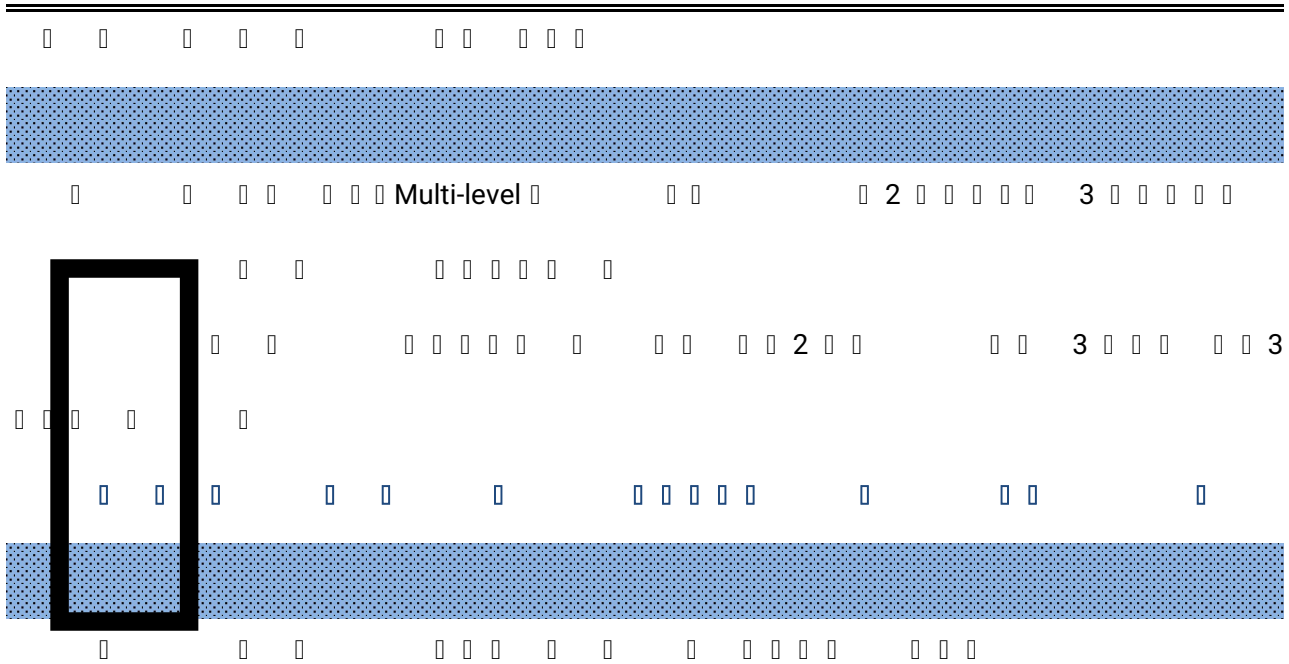
Status Automatic 1 0

Respond after read only

Status Automatic

Respond after change Status

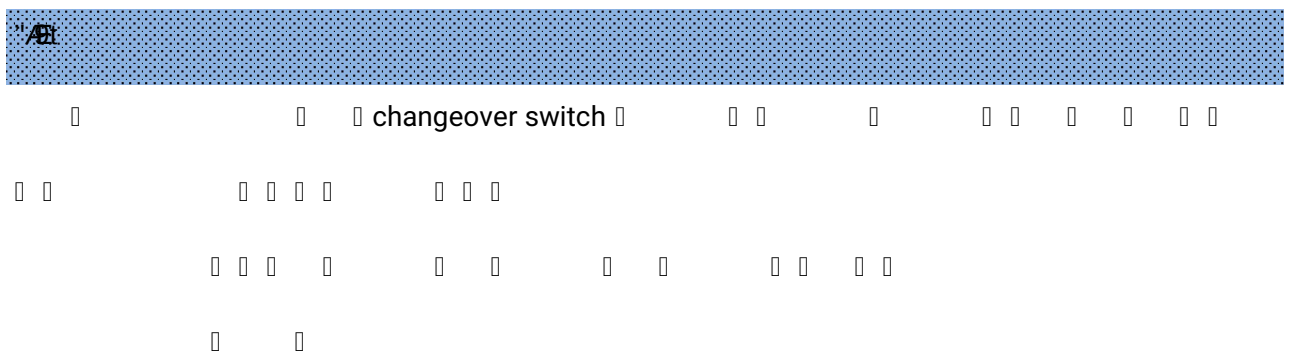
Automatic



Changeover switch 7f J

Step switch 3

Output 1&2&3 2 Output 1&2



OFF

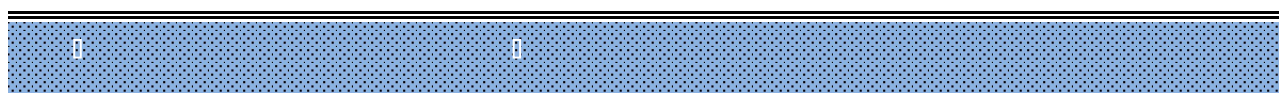
1 2 3 1 2 3

OFF

1 2 3 1 2 3

As before as bus fail

1byte



Fan speed--1byte

0



,1bit Forced Operation



0=Force/1=Cancel Forced Operation 0 1

1=Force/0=Cancel Forced Operation 1 0



Unchange

1 0 0 0 0 0 1 0

1, off ☐ ☐ ☐ ☐ ☐ ☐ 1 ☐ ☐

[illegible]

2,1 □ □ □ □ 1 2□

2, 1, off ☐ ☐ ☐ ☐ ☐ 1 ☐ 2 ☐ ☐

3 3

3, 2 □ □ □ □ 3 2 □

[illegible]Off ☐ ☐ ☐

1

[illegible]

0 **0** **0 0** **0 0 0** **0** **0 0** **0** **0 0 0 0** **0 0** **0**

0 **0** **0** **0** **0** **0** **0** **0** **0** **0** **0** **0** **0** **0**

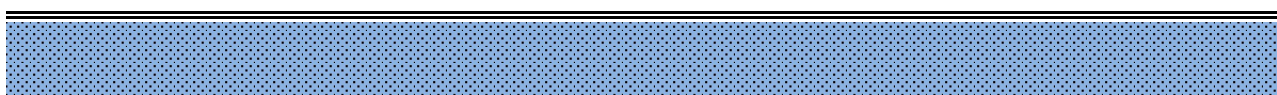
0 **0** **0 0** **0** **0 0 0 0** **0** **0 0** **0** **0** **0 0**

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

[illegible]

☐ ☐ ☐ ☐ ☐ ☐

4.7.2.1



1bit Fan speed 1 , Fan speed 2 Fan speed 3

1 0

ON/OFF



speed1 OFF



OFF

2 3 2

3

3 1 2

4.8.2

Auto. operation function

Enable

4.8.2.1

1.1.1 Multifunctional Actuator with secure Push Mounted Outputs setting Fan: Auto.

On/Off	Autoperation on object value	0=Auto/1=Cancel	1=Auto/0=Cancel
General	State of Autoperation after startup		
Output setting	Automatically enable autoperation		
	Enable autoperation after (0.0000)	100	min
Fan	Threshold value OFF->speed 1 (0.100)	30	%
Speed	Threshold value speed 1->speed 2 (0.100)	60	%
Speed	Threshold value speed 2->speed 3 (0.100)	80	%
Output 1	Hysteresis threshold value in + (0.50)	10	%
Output 2	Minimum time in fan speed (0.0000)	10	s
Control setting	Number of control value	1	2
	Mapping control value		
	Mon/spring period of control value (0.0000)	120	s

4.8.2.1

Fan: Auto.

0=Auto/1=Cancel

Fan Automatic ON/OFF

0

1

1=Auto/0=Cancel

Fan Automatic ON/OFF

1

0

2 <-> 3 30%

15%

OFF

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

1

3

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

2

2

OFF <-> 1 10%

1 <-> 2 40%

2 <-> 3 70%

5%

OFF

OFF 15% 10%+5%

41% 2 41% 40% 70%

1

39% 1 39% 10% 40%

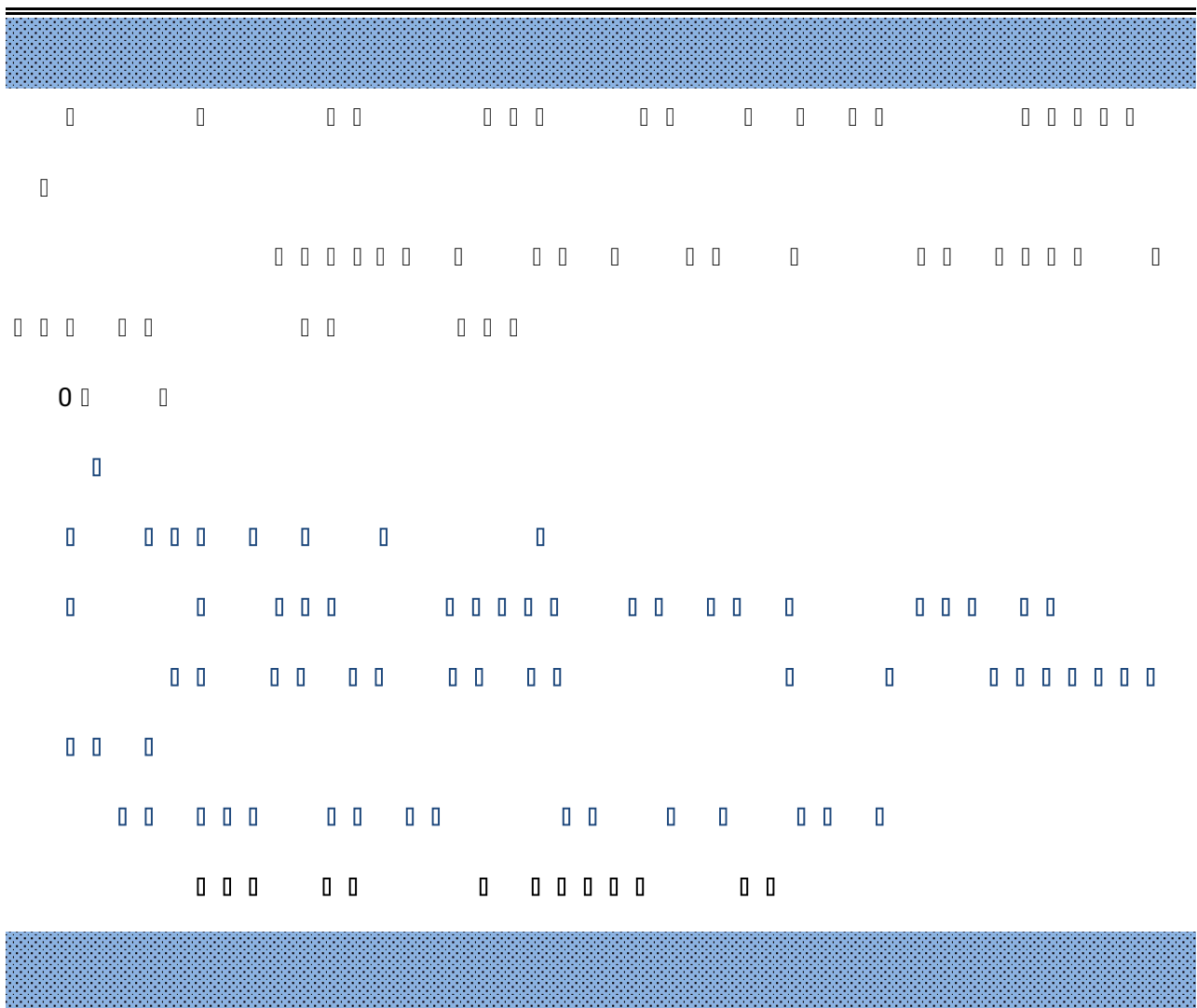
3

3 64% <70%-5%

39% 1 39% 10% 40%

2

3 0



4.8.1.1 "Number of control value"

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > Outputs setting > Fan-... > F: Status

KNX Secure

General

Outputs setting

Fan-...

F: Auto.

F: Status

Output 3-...

Output 4-...

UI setting

Reply mode of Obj. "Status Fan ON/OFF"(1bit)

Respond after read only

Respond after change

Reply mode of Obj. "Status Automatic"(1bit)

Respond after read only

Respond after change

Reply mode of Obj. "Status Fan speed x"(1bit)

Respond after read only

Respond after change

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

Respond after read only

Respond after change

Status feedback for fan speed

Status value for Fan speed 1

33

%

Status value for Fan speed 2

67

%

Status value for Fan speed 3

100

%

4.8.2.2

Respond after read only

Status Fan ON/OFF

Respond after change

Fan ON/OFF

6 1 1 W T S R H E J X I V

Status Automatic

Respond after change

Automatic



1bit Status Fan speed 1 Status Fan speed 2

Status Fan speed 3

Respond after read only

Respond after change

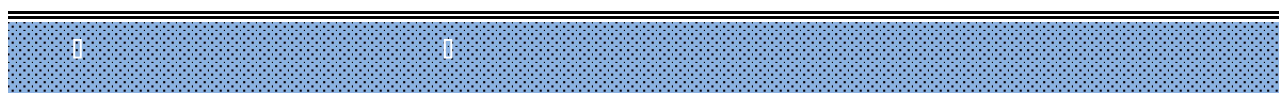


Status Fan speed 1byte

Respond after read only

Respond after change

0



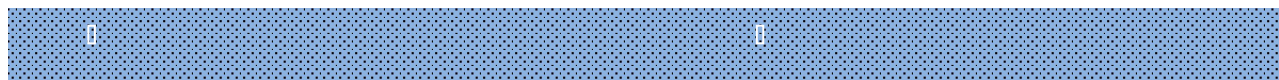
8



8



12V



Initial status indication

LED

// //

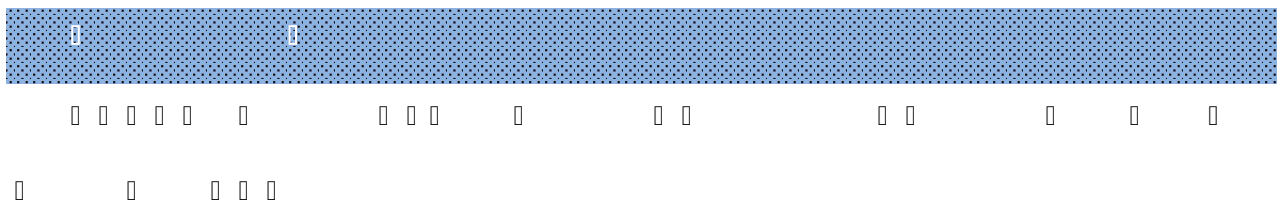
No

As status as object value "0" LED 0 LED x

control by external object 1byte



LED



“Switching”

4.10.1

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > UI setting > Input 1-...

KNX Secure

General

+ Outputs setting

- UI setting

Input 1-...

LED 1-...

Description (max 30char.)

Function of channel

Distinction between short and long operation

Reaction on press the contact

Reaction on release the contact

Send object value after bus recovery (valid if reaction is not toggle)

Number of objects

Disable function

Trigger value of disable object

Switch

No Yes

No reaction

TOGGLE

No Yes

1 2

Disable=1/Enable=0

Disable=0/Enable=1

4.10.1

“Input x- Switch”

/

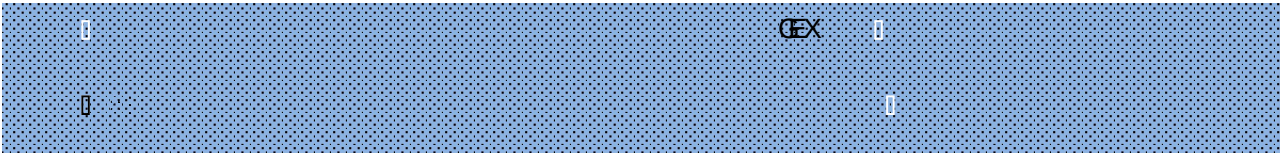
“Yes”

/



CVS B /EIB 4

Normally open



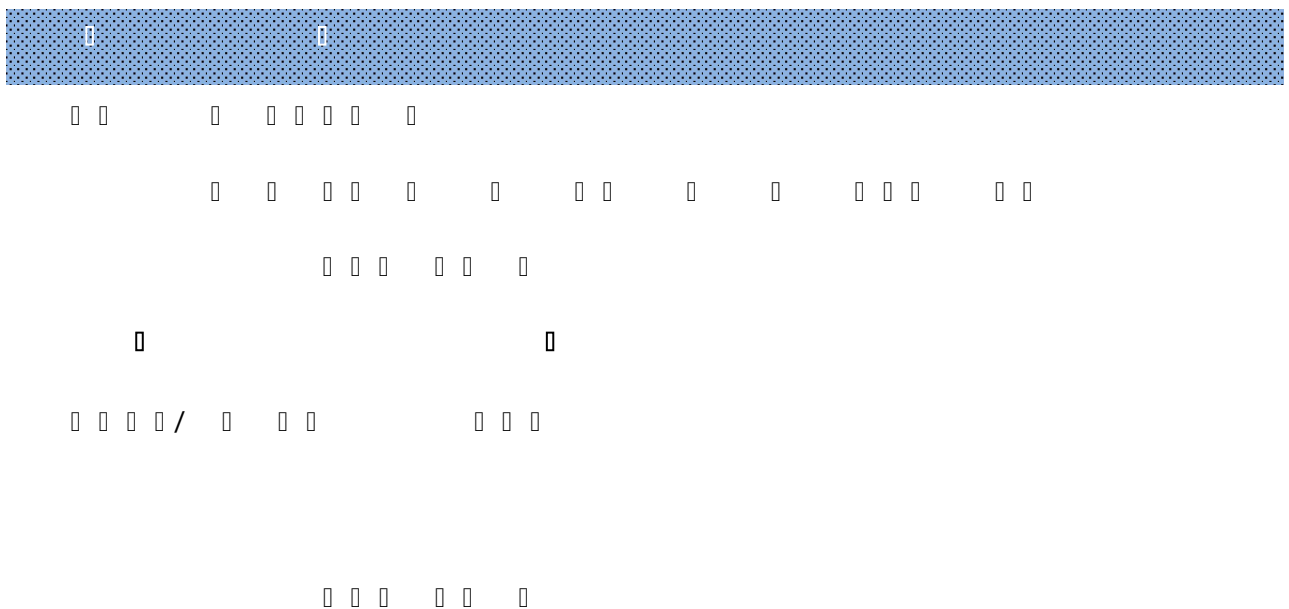
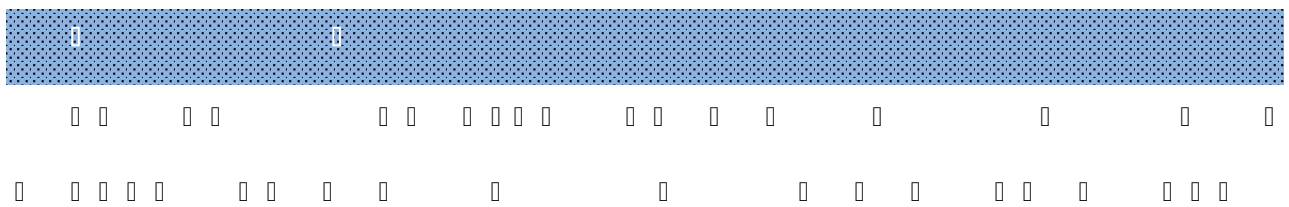
/ /

No action

ON

OFF

TOGGLE



"Dimming "

4.10.2

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > UI setting > Input 1-...

KNX Secure General + Outputs setting	Description (max 30char.) Function of channel Long operation after [3..25] Connecte tact type Reaction on short operation Reaction on long operation Dimming mode Step size Interval of tele. cyclic send [0..25] (0=send once) Disable function Trigger value of disable object	Dimming 5 *0.1s ☒ Normally open ☐ Normally closed TOGGLE Brighter/Darker ☐ Start-Stop dimming ☒ Step dimming 12.5 % 0 *0.1s ☒ ☐ Disable=1/Enable=0 ☒ Disable=0/Enable=1
--	--	---

4.10.2

"Input x- Dimming"

--	--

--	--

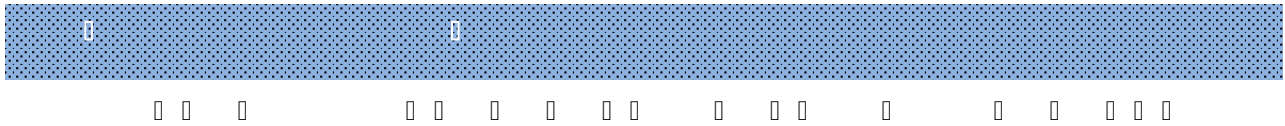
--	--

No action

ON

OFF

TOGGLE

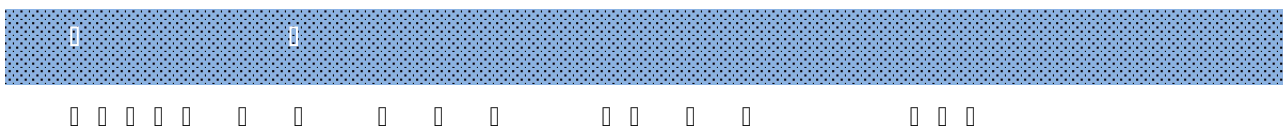
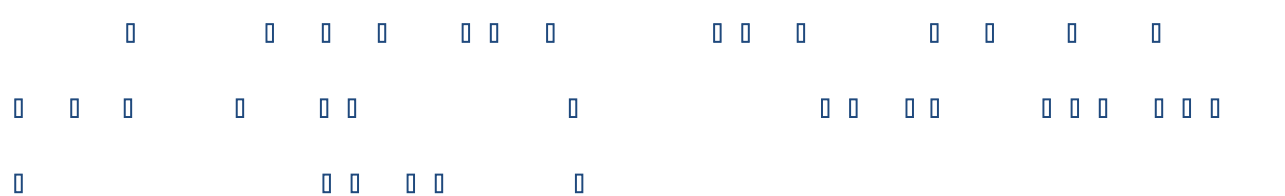


No action

Brighter

Darker

Brighter/darker



"Start-stop dimming"

"Steps dimming"

“Dimming mode” “Steps dimming” ,

“Dimming mode” “Steps dimming” ,

“Value output” 4.10.3

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > UI setting > Input 1-...

KNX Secure

General

+ Outputs setting

- UI setting

Input 1-...

LED 1-...

Description (max 30char.)

Function of channel

Distinction between short and long operation

Long operation after [3..25]

Connected contact type

Reaction on short operation

Reaction on long operation

Disable function

Trigger value of disable object

Value output

☐ No ☒ Yes

5 *0.1s

☒ Normally open ☐ Normally closed

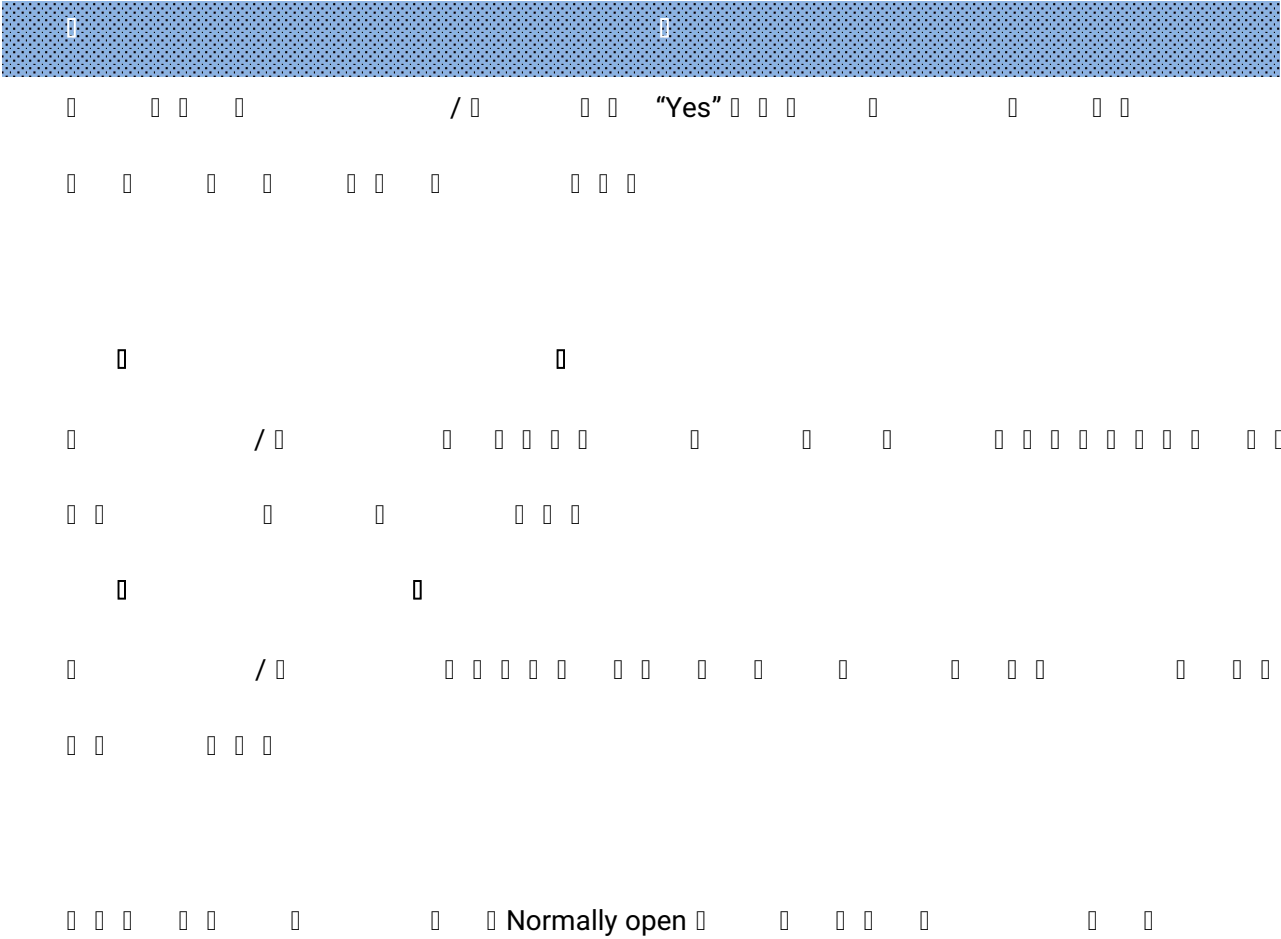
No reaction

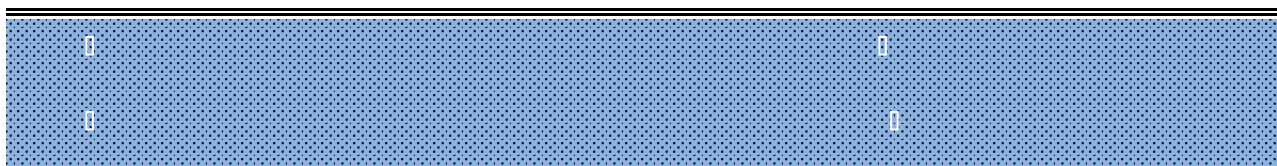
No reaction

☒

☐ Disable=1/Enable=0 ☒ Disable=0/Enable=1

4.10.3 “Input x- Value output”





□ □ □ □

□

/

/ □

□

□ □

□

□ □ □

□

□

□ □ □ □ □

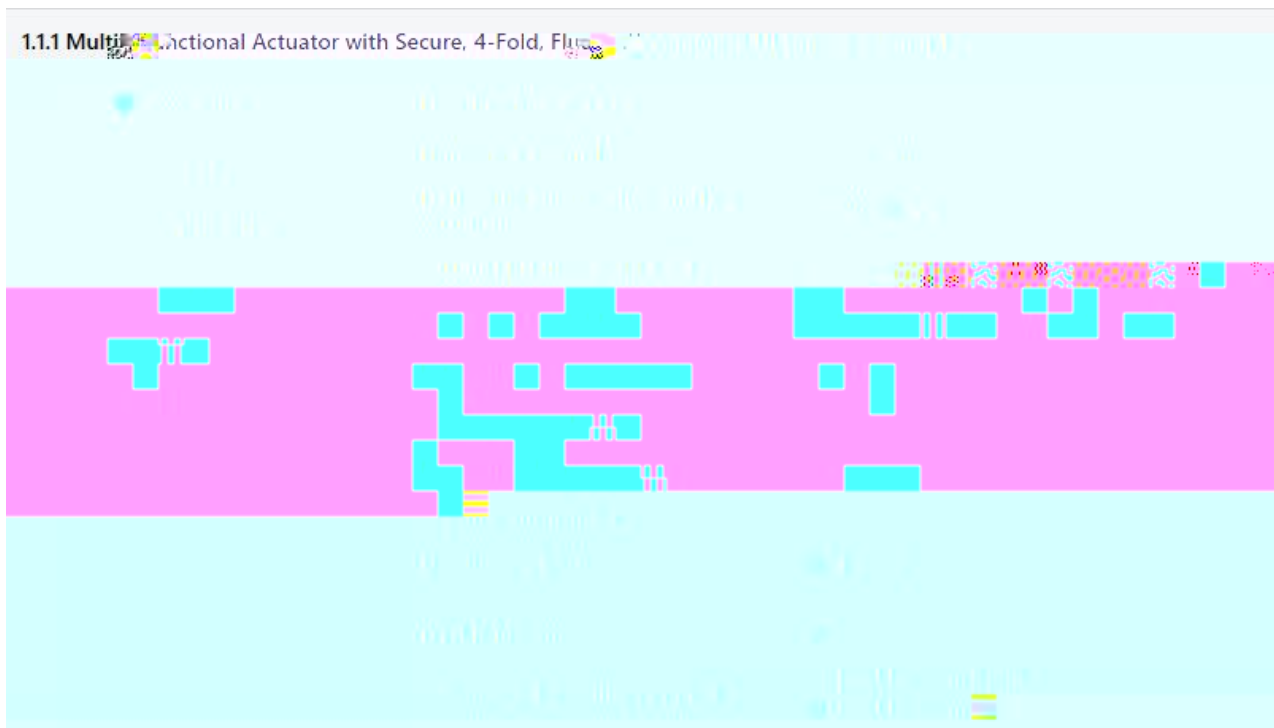
□ □

□ □

□ □ □

"Scene control"

4.10.4



4.10.4

"Input x- Scene control"



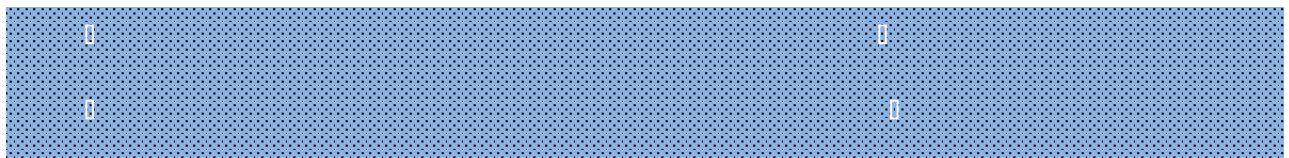
/

"Yes"

/

/

Normally open



/ /

Scene NO.1~64 0~63



No action

Up

Down

Up/Down

Stop (Adjust Up)

Stop (Adjust Down)

Stop (Adjust Up/Down)

“ ”

///

“Shift register”

4.10.6

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > UI setting > Input 1-...

KNX Secure

General

Outputs setting

UI setting

Input 1-...

LED 1-...

Description (max 30char.)

Function of channel

Shift type

Value begin with

Value end with(must be larger than value begin with)

Step size

Direction

Reset function

Long operation after [3..25]

Connected contact type

Disable function

Trigger value of disable object

Shift register

Shift by step value

Shift without step value

0

10

2

From lowest to highest and cyclically

Disable

Enable by long operation

5

*0.1s

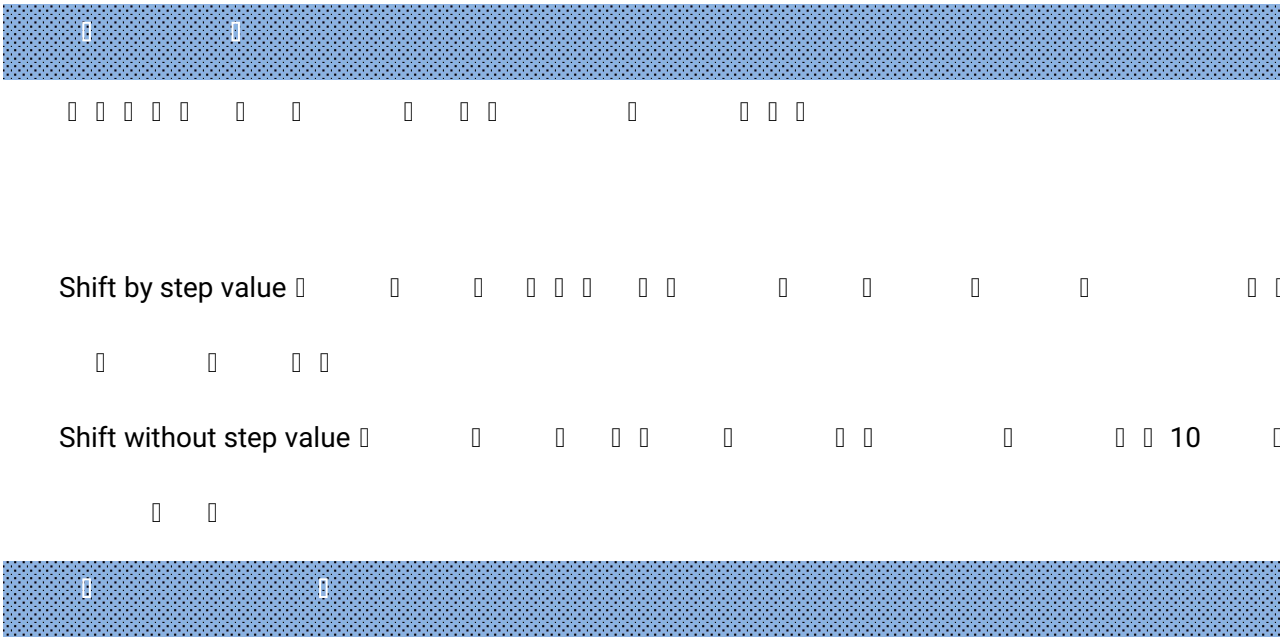
Normally open

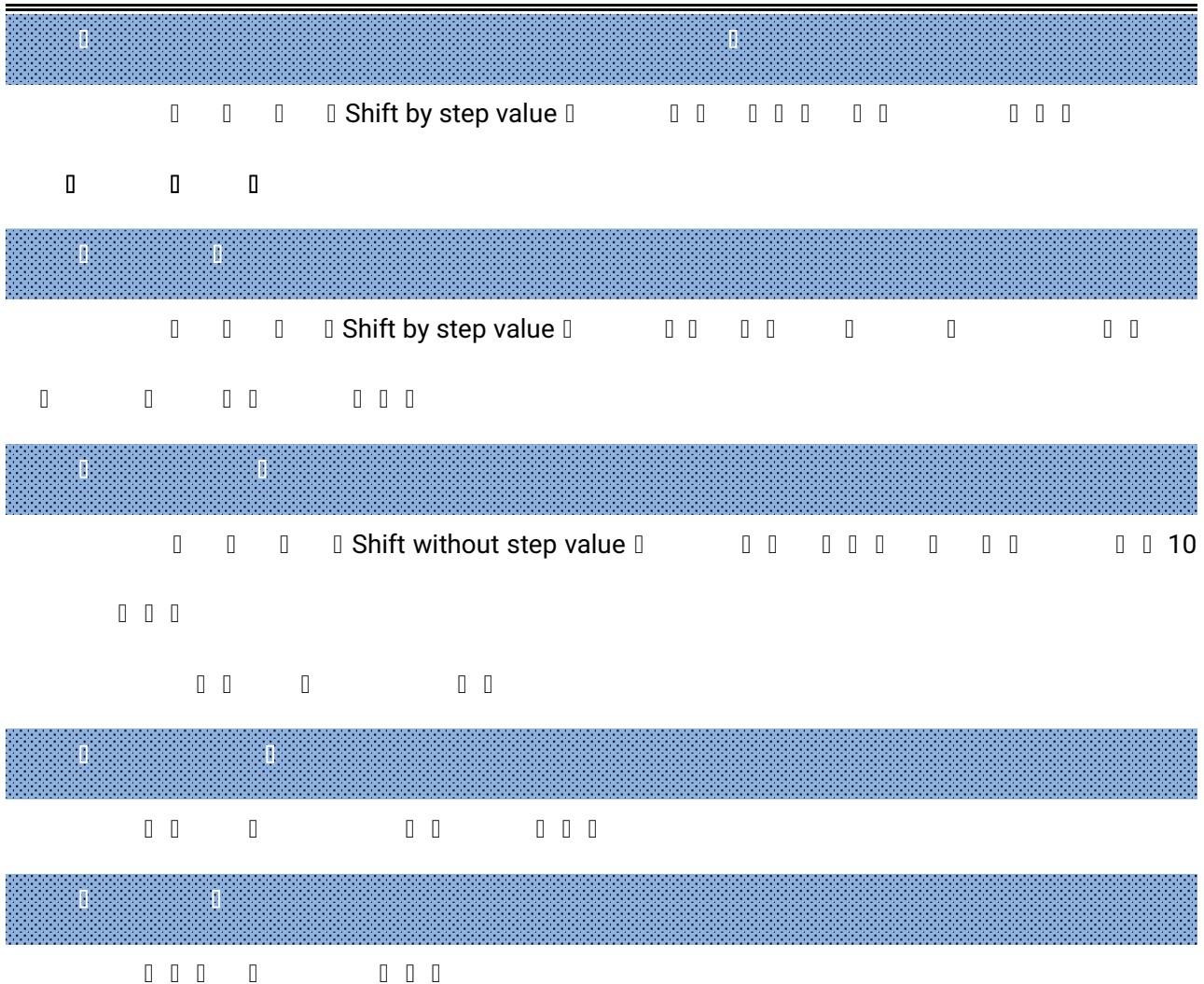
Normally closed

Disable=1/Enable=0

Disable=0/Enable=1

4.10.6 “Input x- Shift register”





From lowest to highest and stop to the end

value 10

value 10

value 1

From highest to lowest and stop to the begin

value 1

value 1

value 10

From lowest to highest and cyclically:

From highest to lowest and cyclically:



Disable

Enable by long operation



Normally open

“Multiple operation”

4.10.7

4

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > UI setting > Input 1-...

KNX Secure

Description (max 30char.)

General

Function of channel

Multiple operation

+ Outputs setting

Distinction between short and long operation

☒ No ☐ Yes

- On/Off selection

Object type for object1

1Bit_On/Off

Input 1-...

Function of press the contact

TOGGLE

LED 1-...

Object type for object2

1Bit_On/Off

Function of press the contact

Object type for object3

Function of press the contact

Value 1: Escalator

Object type for object4

Function of press the contact

Value 1: Percentage

Profile function

Trigger value of block object

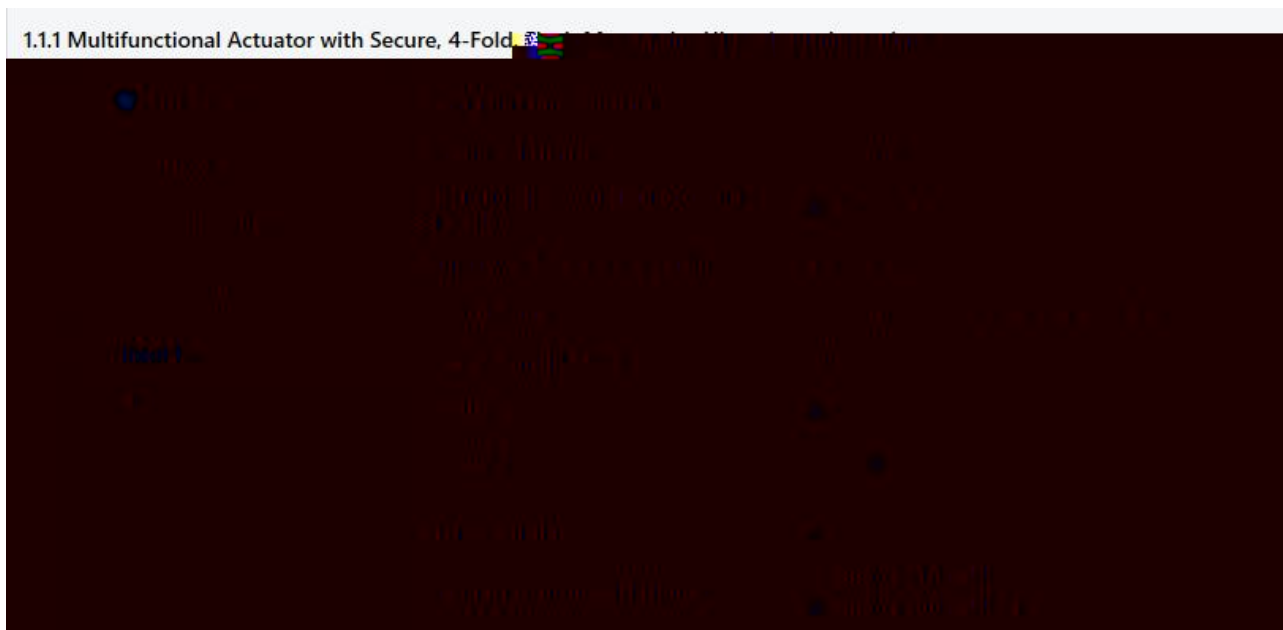
On/Off

On/Off

4.10.7(1)

"Delay mode"

4.10.8



4.10.8(1)

Normally open

/

1/2

LED

LED

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > UI setting > LED 1-...



KNX Secure



General



Outputs setting



UI setting

Input 1-...

LED 1-...

Description (max 30char.)

Status LED indication

Control by external object

External object datatype

☒ 1Bit ☐ 1Byte

When object value="0", LED is

☒ OFF ☐ ON

When object value="1", LED is

☐ OFF ☒ ON

- 1Bit

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > UI setting > LED 1-...



KNX Secure



General



Outputs setting



UI setting

Input 1-...

LED 1-...

Description (max 30char.)

Status LED indication

Control by external object

External object datatype

☐ 1Bit ☒ 1Byte

Threshold value is

50

If object value<threshold value, LED is

☒ OFF ☐ ON

If object value=threshold value, LED is

☐ OFF ☒ ON

If object value>threshold value, LED is

☐ OFF ☒ ON

- 1Byte

1.1.1 Multifunctional Actuator with Secure, 4-Fold, Flush Mounted > UI setting > LED 1-...



KNX Secure



General

Description (max 30char.)

Status LED indication

Always on

Always on

4.11 "LED X"

None

Control by external object LED

Always



LED Control by external object LED

LED Control by external object 1Bit LED LED

1 0



LED Control by external object 1Byte LED

LED Control by external object 1Byte

LED

LED Control by external object 1Byte

LED

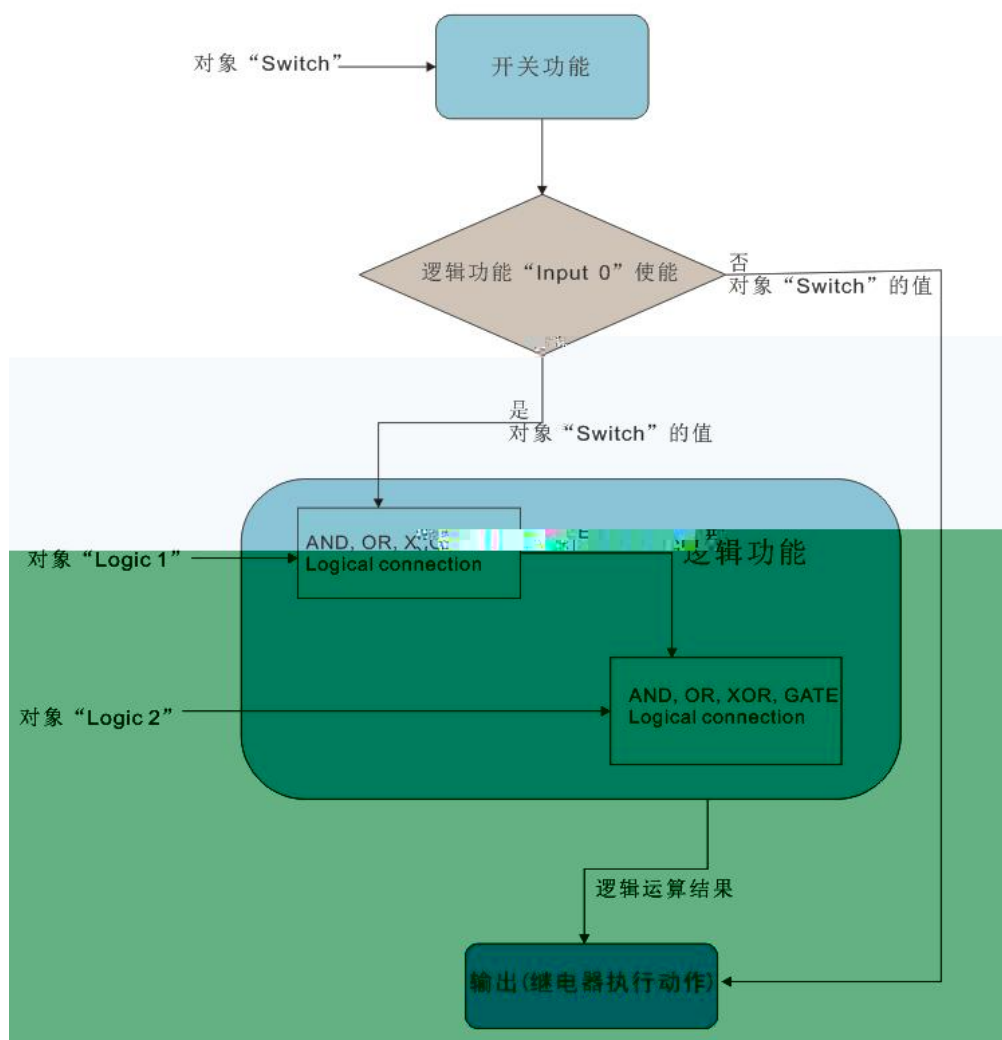
LED Control by external object 1Byte LED

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
1	General	In operation			1 bit	C	-	-	T	-	switch	Low
2	Output 1 Switch	Switch			1 bit	C	-	W	-	-	switch	Low
3	Output 1 Switch	Switch status			1 bit	C	R	-	T	-	switch	Low
4	Output 1 Switch	Enable time function			1 bit	C	-	W	-	-	enable	Low
5	Output 1 Switch	Delay function			1 bit	C	-	W	-	-	switch	Low
6	Output 1 Switch	Operation hours counter			4 bytes	C	R	W	T	U	time lag (s)	Low
7	Output 1 Switch	Scene			1 byte	C	-	W	-	-	scene control	Low
8	Output 1 Switch	Forced output			2 bits	C	-	W	-	-	enable	Low
9	Output 1 Switch	Flashing function			1 bit	C	-	W	-	-	switch	Low
10	Output 1 Switch	Staircase function			1 bit	C	-	W	-	-	switch	Low
11	Output 1 Switch	Operation hours counter			2 bytes	C	R	W	T	U	time (h)	Low
12	Output 1 Switch	Forced output			1 bit	C	-	W	-	-	enable	Low

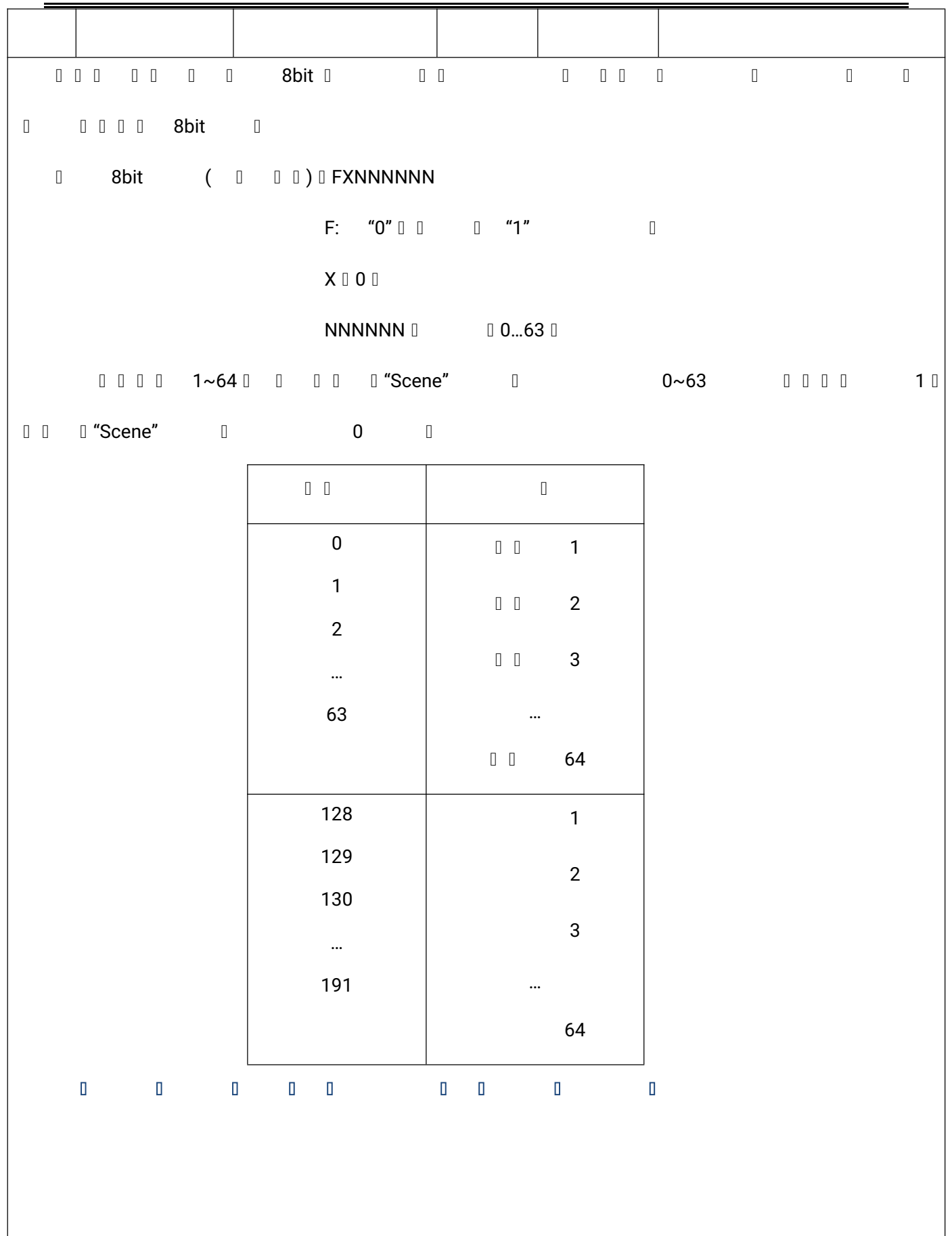
5.1.1 --Switch actuator

□	□ □ □ □	□	DPT
□ □ □ □	□ □ □	"1" □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	

□ □ □ □	□ □ □ □ "Input 0" □ □ □ □ □ "Switch" □ □ □ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □ □ □
□ □ □ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □ □ □	



□ □ □ □ □	4.3“Output X Switch” □	“Object value of switch status ” □ □ □ □			
□ □ □ □ □ □ □					
□ “Respond after read only” □	□	□ □ □ □ □ □ □ □ □ □			
□ □ □ □ □ □					
□ “Respond after change” □ □ □ □	□ □	□ □ □ □ □ □ □ □ □ □			
□					
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □					“1” □
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	“0” □	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □			
□ □					
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □					
□ □ □ □	“Type of time function” □	“Delay” □	□ □ □ □ □ □ □ □ □ □		
□ □ □ □	“Type of time function” □	“Flashing” □	□ □ □ □ □ □ □ □ □ □ □ □ □ □		
□ □ □ □	“Type of time function” □	“Staircase” □	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □		
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □					“Function of “ Operation hours counter”” □
“Enable” □ □	□ □	“Object datatype of “Operation hours counter”” □		2byte □ □	
□ 4byte □	□				



□

□ □ □ □ □

Number ^	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
1	General	In operation			1 bit	C	-	-	-	-	switch	Low
2	Output 1 Switch	On-off control value			1 bit	C	-	W	-	-	switch	Low
3	Output 1 Switch	Status of contact			1 bit	C	R	-	-	-	switch	Low

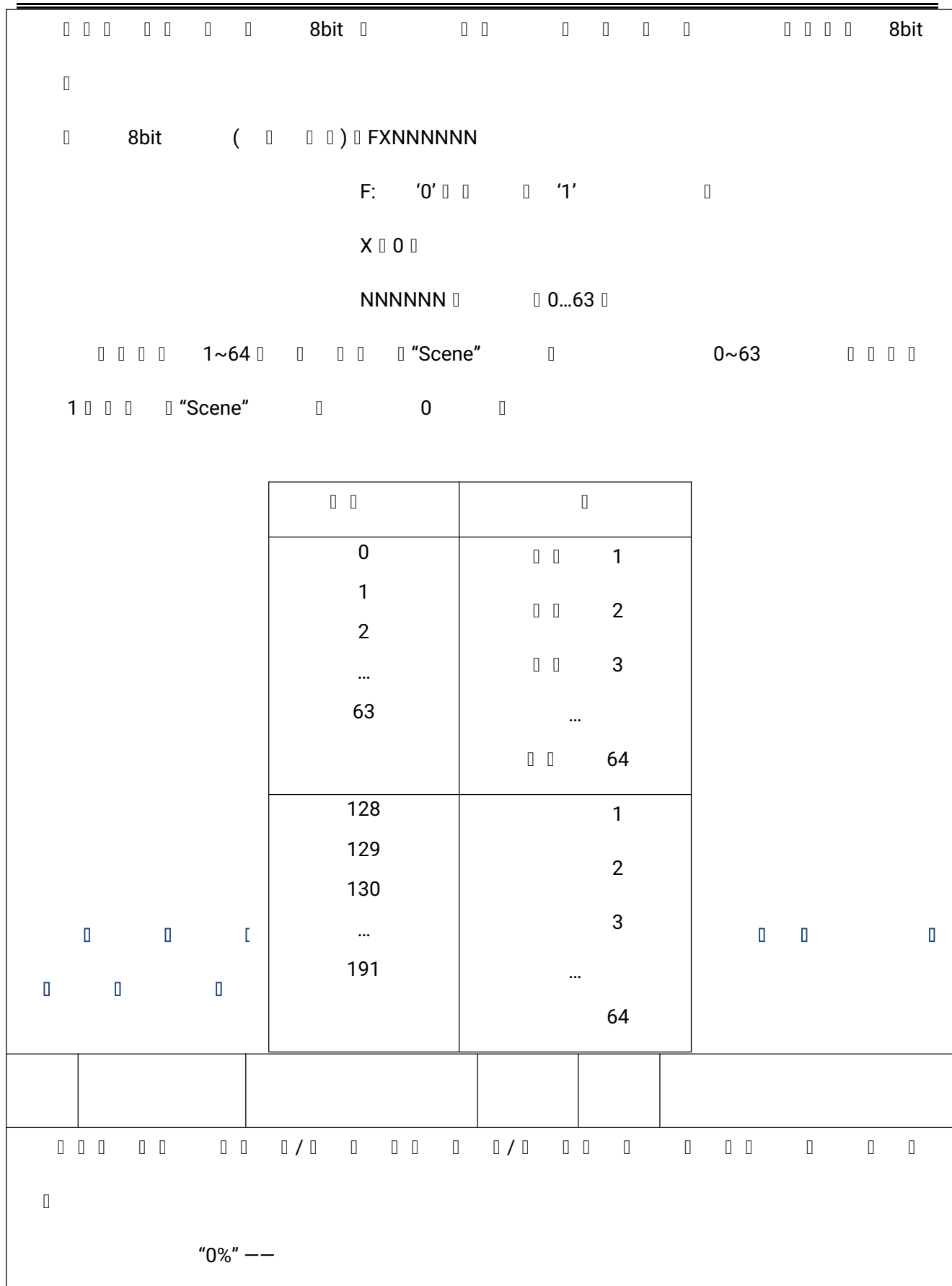
1bit(on-off control or PWM)

Number ^	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
1	General	In operation			1 bit	C	-	-	-	-	switch	Low
3	Output 1 Switch	Status of contact			1 bit	C	R	-	-	-	switch	Low
5	Output 1 Switch	Control value(Continuous)			1 byte	C	-	W	-	-	percentage(0..100%)	Low
4	Output 1 Switch	Status of continuous, 1bit			1 bit	C	R	-	-	-	switch	Low

1byte(Continuous)

5.1.2 □ --Heating actuator(without controller) □ □ □ □

□		□ □ □ □	□		DPT
□ □ □ □	"Control telegram is received as" □ "1bit(on-off control or PWM)" □ □ □ □ □				
□ □ □	1bit □	□	"0" □ □ □ □	"1" □ □	
□ □ □ □	"Reply the status for contact" □ "Yes, 1= contact close ; 0=contact open" "Yes,0= contact close ; 1=contact open" □ □ □ □ □ □ □ □ □ □ □ □				
□ □ □ □	"Control telegram is received as" □ "1byte(Continuous)" □ □ □ □ □ □ □ □ □ □				
	1Byte □	□ □ □ □ □	0...100% □	"0%" □ □ □ □	"100%" □ □
□ □ □ □	"Reply the status for continuous control" □ "Yes □ 0%=0, otherwise "1"(1bit)" "Yes □ 0%=1, otherwise "0"(1bit)" □ □ □ □ □ □ □ □ □ □ □ □				
□	"Yes, 0% =0, otherwise"1"(1 bit)" □	"0" □ □ □ □ □ □		"1" □	



..... --

"100%" --

"Venetian Blind"

"0%" --

..... --

"100%" --

"0" "1"

"0" "1",

"0" --

"1" --

"Venetian Blind" "Sun:slat adj. 0...100%"

"0%" --

..... --

"100%" --

"Venetian Blind"

"0%" --

5.3_1 _One level

5.3_2 ☐ _Multi-level ☐ ☐ ☐

120

□ □ □ □ □ □

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
54	Input 1-...	Switch			1 bit	C	-	W	T	U	switch	Low
58	Input 1-...	Disable			1 bit	C	-	W	-	-	enable	Low
Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
54	Input 1-...	Press, Switch			1 bit	C	-	W	T	U	switch	Low
55	Input 1-...	Release, Switch			1 bit	C	-	W	T	U	switch	Low
58	Input 1-...	Disable			1 bit	C	-	W	-	-	enable	Low
Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
54	Input 1-...	Short, Switch			1 bit	C	-	W	T	U	switch	Low
55	Input 1-...	Long, Switch			1 bit	C	-	W	T	U	switch	Low
58	Input 1-...	Disable			1 bit	C	-	W	-	-	enable	Low

"Switch" □

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
54	Input 1-...	Short, switch			1 bit	C	-	W	T	U	switch	Low
55	Input 1-...	Long, Dimming			4 bit	C	-	W	T	-	dimming control	Low
58	Input 1-...	Disable			1 bit	C	-	W	-	-	enable	Low

"Dimming" □

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
54	Input 1-...	Press, 1bit value			1 bit	C	-	-	T	-	switch	Low
55	Input 1-...	Release, 1bit value			1 bit	C	-	-	T	-	switch	Low
58	Input 1-...	Disable			1 bit	C	-	W	-	-	enable	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
54	Input 1-...	Short, 1bit value			1 bit	C	-	-	T	-	switch	Low

"Value output" □

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
54	Input 1-...	Scene			1 byte	C	-	-	T	-	scene control	Low
58	Input 1-...	Disable			1 bit	C	-	W	-	-	enable	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
54	Input 1-...	Press, Scene			1 byte	C	-	-	T	-	scene control	Low
55	Input 1-...	Release, Scene			1 byte	C	-	-	T	-	scene control	Low
58	Input 1-...	Disable			1 bit	C	-	W	-	-	enable	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
54	Input 1-...	Short, Scene			1 byte	C	-	-	T	-	scene control	Low
55	Input 1-...	Long, Scene			1 byte	C	-	-	T	-	scene control	Low

"Scene control" □

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	I	Data Type	Priority
54	Input 1-...	Up/Down, Blind			1 bit	C	-	W	T	-	-	up/down	Low
55	Input 1-...	Stop/Adjust, Blind			1 bit	C	-	W	T	-	-	step	Low
58	Input 1-...	Disable			1 bit	C	-	W	-	-	-	enable	Low

"Blind" □

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	54	Input 1-...	Register value			1 byte	C	-	W	T	-	counter pulses (0..255)	Low
	58	Input 1-...	Disable			1 bit	C						

"Shift register" □

0 0 0 0 0 / 0 0 0

0 0 0 / 0 0

1 0 0 / 0 0

0 0 0 0 0 0 0 0

0 0 0 0 0 0

□ □ □ □ □ □ □

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
94	LED 1-...	Status			1 byte	C	-	W	T	U	counter pulses (0..255)	Low

5.5 LED □ □ □ □

□	□	□ □ □	□		DPT
LED □ □ Control by external object					
□ □ □ □	1bit/1byte	□ □	□ LED	□	□ □ □ □ □ □

□ 5.5 LED □ □ □ □ □