

K-BUS

1.2

-07/00.1.00



/

注意事项

1、请远离强磁场、高温、潮湿等环境。

远离磁场

远离高温

防潮

2、万两收机各部件若在地面上使用会受到强烈冲击。

避免碰撞

		1
		3
		3
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		13
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5.20		239
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5.22		243
5.23		245
5.24		247
5.25		248
5.26		271
5.27		273
5.28		274
5.29		276

KNX

KNX GPS

Pro

GPS

12

•

5

•

GPS

KNX GPS

Pro

•

12

•

(0°-360°)

•

•

•

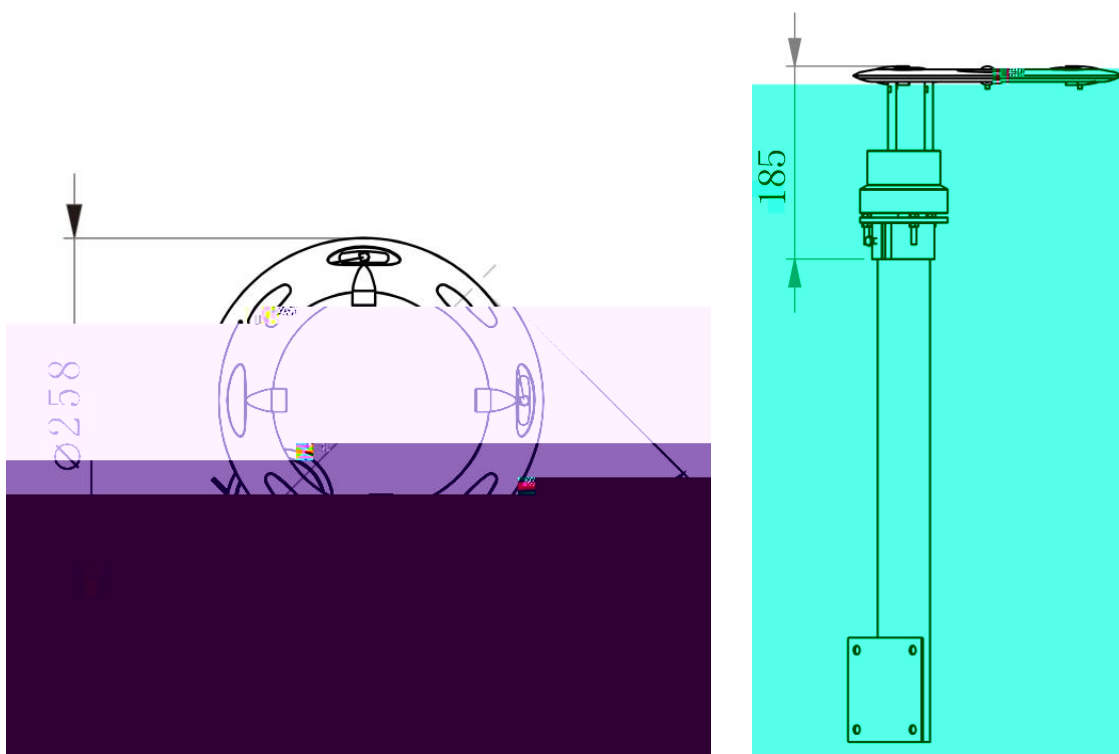
•

•

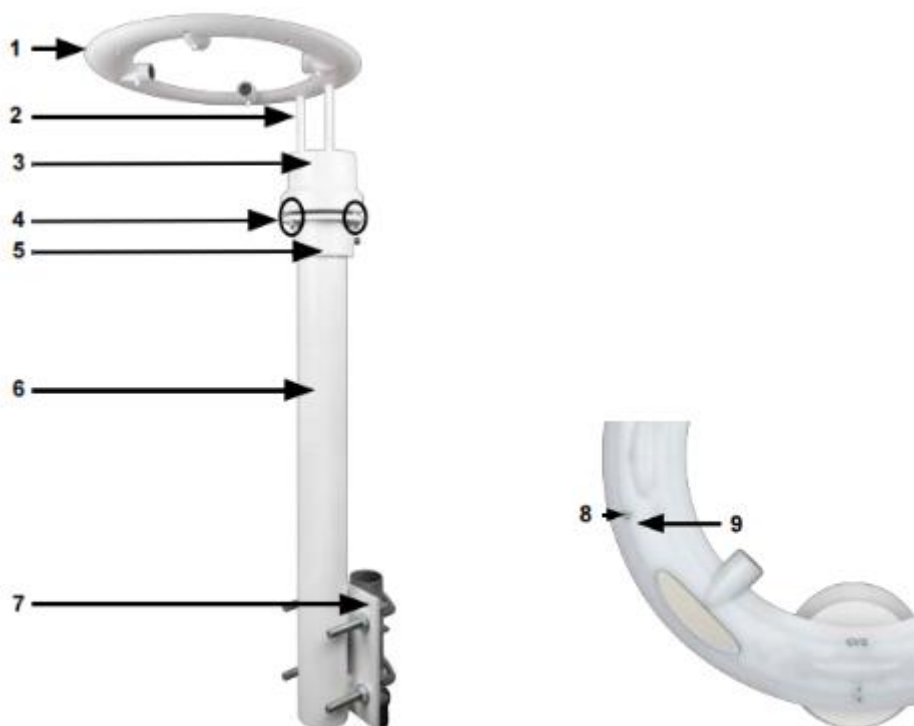
	IP44
(x x)	258*185*291mm
	≈600g
	-25...+50°C
	-30...+70°C
	21~30V DC
	18mA/24V DC 15mA/30V DC
	450mW
	≈8s
	TP1-256
	S-Mode
	21.6~26.4V DC
[]	250mA/24V DC [t > 7.5] 1.6A/24V DC [t 7.5]
[]	6 W [t > 7.5] 40 W [t 7.5]
	-25...+50°C
(rH)	0%...100%
	0...35 m/s
[]	0...360° [v>0.5m/s]
	300 mbar....1100 mbar
	0 Lux...150000 Lux

/1.0	1414	2000	2000

3.1



3.2



1

2

3

4

5

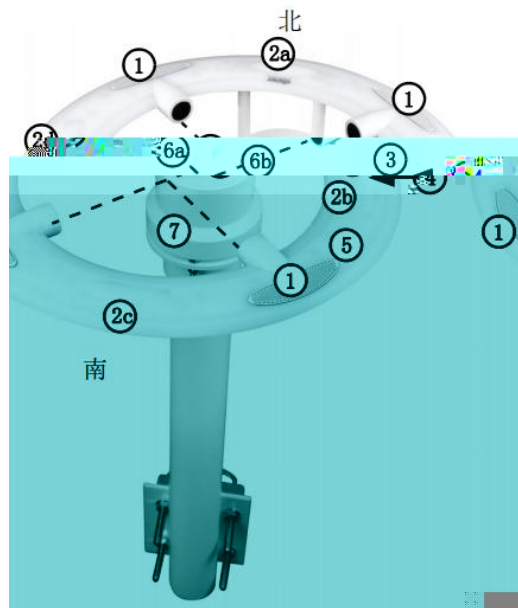
6

7

8 PRG

9 LED

3.3



1.

2.

a- b- c- d-

3.

4.

PRG

5.GPS

3.4**!**

GPS

KNX

1

Fig. 1



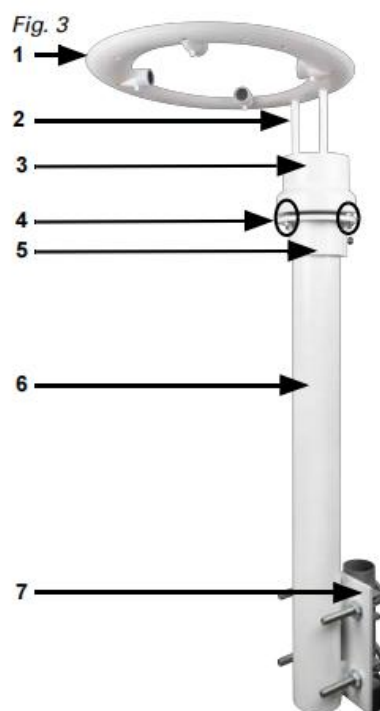
2:

60 cm

Fig. 2



3:



1

2

3

4

5

6

7



!

4+5

KNX

M8

(A)

5a

5b

Fig. 4

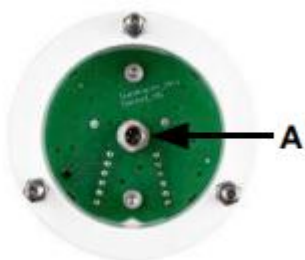


Fig. 5a



Fig. 5b



5 -7

(C)

KNX GPS

Pro

(B)

3

3

3

Fig. 6

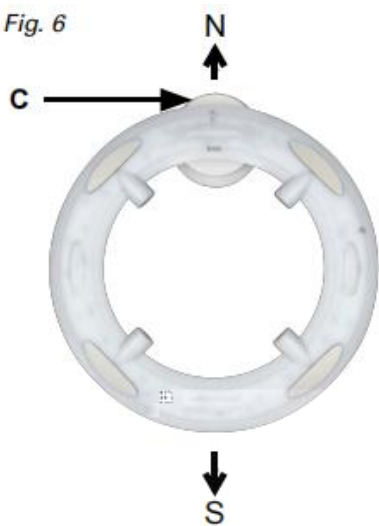


Fig. 7



8

KNX

KNX	
+	+
-	-

(D)

24 V DC

KNX/EIB

KNX GPS

Pro



4.1

Transmission delays
after reset/bus restoration for:

Measured values

Threshold values and switching outputs

Façade objects

Computer objects

Time switch objects

Logic objects

Maximum telegram quota

5

5

5

5

5

10 Telegrams per second

4.1

"General settings"

/ : /

: 5 /.../2

: 1

/.../50

4.2

Object type date and time ☒ two separate objects ☐ a common object

Date and time will be set by

Send cycle

If no reception, GPS malfunction will be detected ... after last recep./reset

GPS malfunction object transmits (1: malfunction| 0: no malfunction)

4.2

"GPS settings"

GPS

:

10

GPS

GPS

GPS

:

+ .

:

20

30

...

1.5

2

(1

0

)

GPS

:

1

0

1

0

“on change and periodically ” , “on change to 1 and periodically ”

“on change

to 0 and periodically”

‘0 0 0 0 0 0 0 0

...

2

4.3

Location is determined by

Location input using ☐ Town ☒ Coordinates

Degree of longitude [west -180...+180 east]

Minute of longitude [west -59...+59 east]

Degree of latitude [south -90...+90 north]

Minute of latitude [south -59...+59 north]

Height is determined by

Height above sea level in metres

Time zone (relative to GMT):

Preliminary character ☒ positive (+) ☐ negative (-)

Hours

Minutes

Summertime Rule	Europe ▼
All the following times are to be entered as winter time = standard time	
Start of Summer Time:	
on	Sunday
From (day)	25
(Month)	3
(Hour)	2
(Minute)	0
End of Summer Time:	
on	Sunday
From (day)	25
(Month)	10
(Hour)	2
(Minute)	0
Time shift:	
Hours	1
Minutes	0

Transmission coordinates	on change and periodically ▼
on change of	2 ° ▼
Send cycle	5 min ▼

4.3

"Location"

GPS

:

()

Input (only valid until the first GPS reception)

GPS

GPS

“input” or “Input (valid until first GPS reception)”

:

KNX GPS

Pro

: /.../

: /.../

-180 +180

-59 +59

-90 +90

-59 +59

: -180...180

: -59...59

: -90...90

: -59...59

(4.22 pressure measure threshold).

GPS

Input (only valid until the first GPS reception

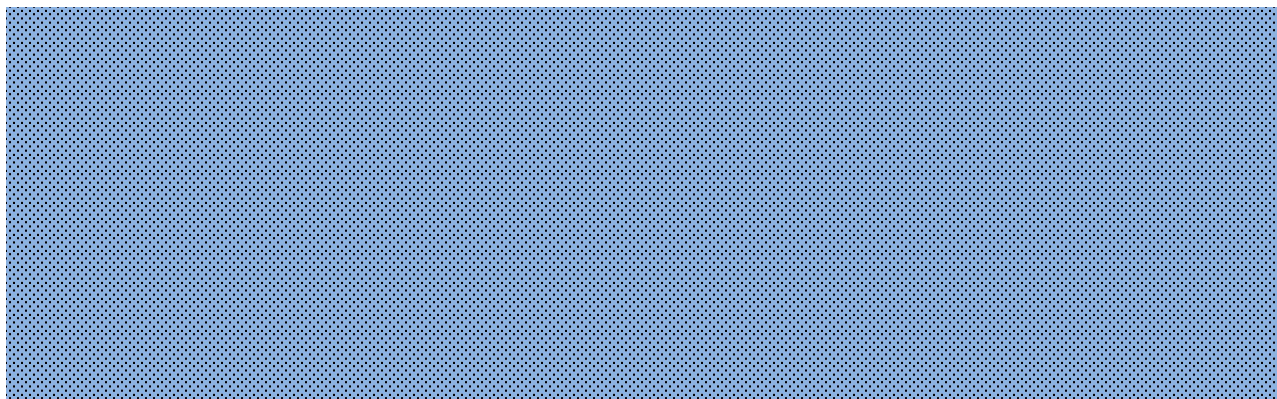
GPS

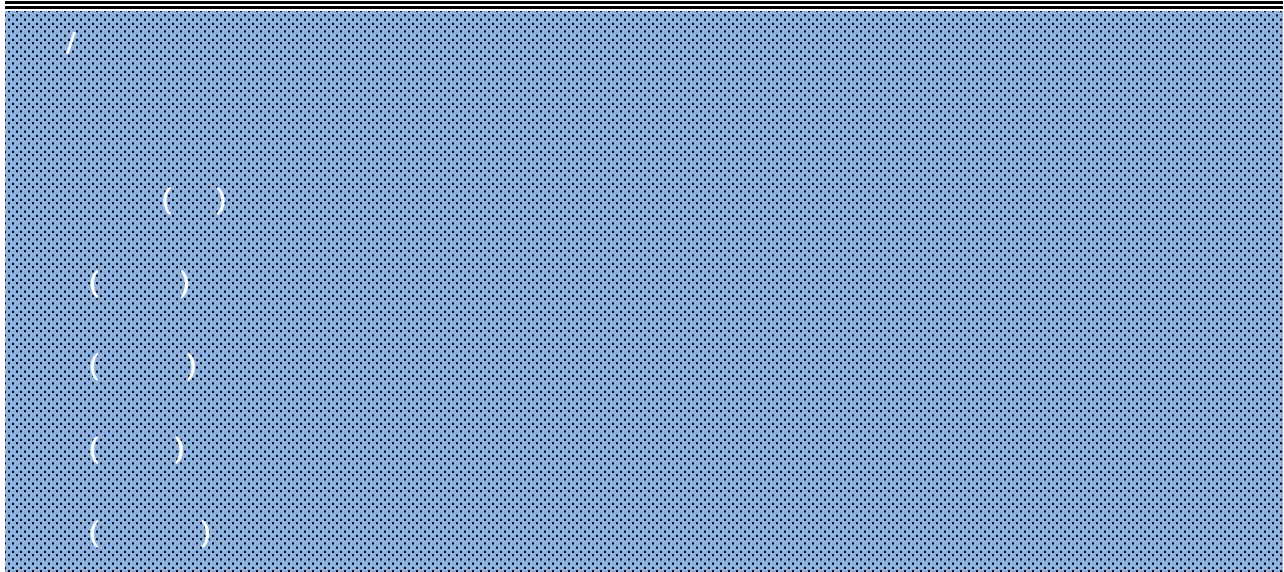
GPS

: / (/)

: -1000...10000

():





()

: (+)/ (-)

: 0...13

: 0...59

: / / - /

: /.../ /

: 1...31

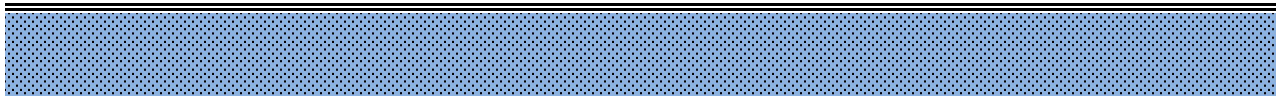
: 1...12

: 0...23

: 0...59

: -12...12

: 0...59



GPS

:

“Periodically”

“On change and periodically”

:

5

10

...

1.5

2

“On change”

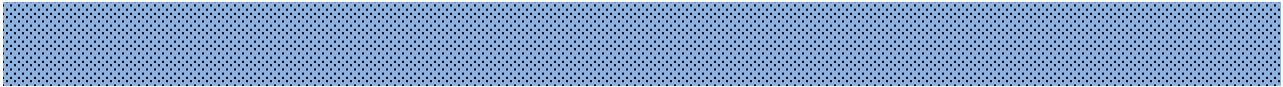
“On change and periodically”

:

0.5⁻

1⁻

:

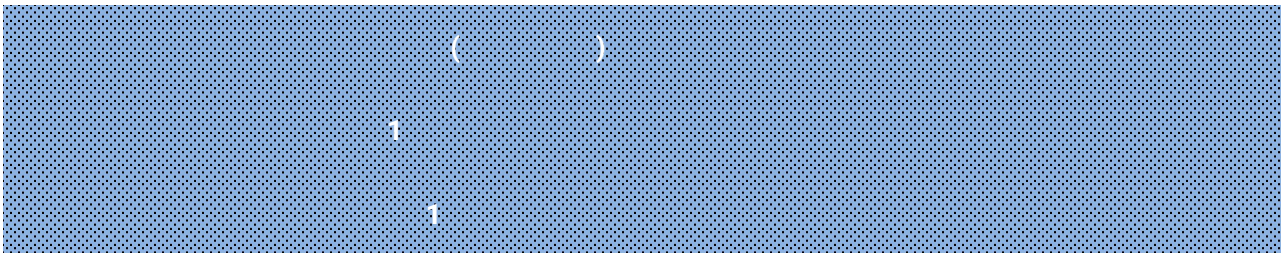


:



5

:



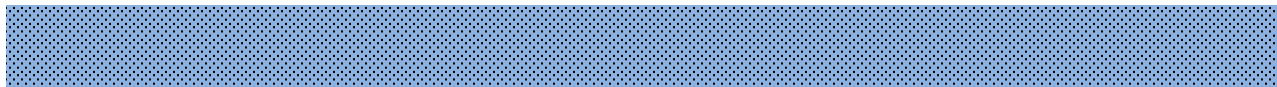
/

: /5 /10 /.../1.5 /2

: 5 /10 /.../1.5

1.5

2



: 0/1

4.5

Use malfunction object ☐ No ☒ Yes

Offset in 0.1°C

Use external measured value ☐ No ☒ Yes

External measured value proportion of the total measured value

All following settings refer to the total measured value

Transmission behaviour for internal and total measurements

on change of

Send cycle

Use internal measured maximum value ☒ No ☐ Yes

on change of

Send cycle

Transmission behaviour for felt temperature, wind chill and heat index

on change of

Send cycle

4.5

"Temperature"

: /

0.1

: -50...50

:

"yes"

:

5%

10%

...

95%

100%

:

“periodically” and “on change and periodically”

:

5

10

...

1.5

2

“on change” and “on change and periodically”

:

0.5

0.2

...

2.0

5.0

:

()

:

“periodically” and “on change and periodically”

:

5

10

...

1.5

2

“on change” and “on change and periodically”

:

0.5

0.2

...

2.0

5.0

4.6

Use threshold value 1 ☐ No ☒ Yes

Use threshold value 2 ☐ No ☒ Yes

Use threshold value 3 ☐ No ☒ Yes

Use threshold value 4 ☐ No ☒ Yes

4.6

"Temperature threshold value"

1/2/3/4

:

4.6.1

1/2/3/4

Threshold value:

Maintain the

threshold values and delays received
via communication objects

not

Threshold value setpoint

☐ Parameter☐ Communication object

Threshold value in 0.1°C

200

▲
▼Setting the switching distance
(hysteresis)in % ☐ absolute

Switching distance (hysteresis) in 0.1°C

50

▲
▼

Switching output:

Output is at
(TV = threshold value)
(SD = Switching distance)

TV above = 1 | TV - SD below = 0

▼

Delays can be set via objects
(in seconds)No ☐ YesDelay from 0 to 1
invalid until 1st communication

1 sec

▼

Delay from 1 to 0
invalid until 1st communication

1 sec

▼

Send switching outputs

on change and periodically

▼

Cycle

5 sec

▼

Block:

Use block of the switching output

☐ No ☒ Yes

Evaluation of the blocking object

☒ if value 1: block | if value 0: release

☐ if value 0: block | if value 1: release

Value of the blocking object
before 1. communication

☒ 0 ☐ 1

Action when locking

Send 0

Action when releasing
(with 2 seconds release delay)

Status object/s send/s

4.6.1

"Temperature threshold value 1/2/3/4"

:

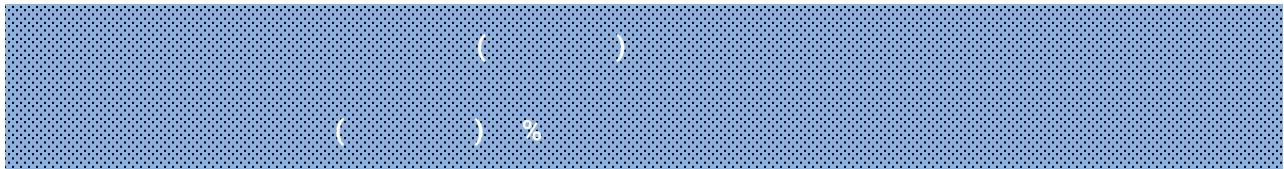
:

:

0.1

"parameter"

: -300...800



: %/

: 0...50/0...1100

0.1

1.

0.1

: -300...800

() 0.1

() 0.1

/

4

5

: □ □ □ □

0 1 1

1 0 1

“yes”

0 1 1 0

: /5 /10 /.../1.5 /2

: /5 /10 /.../1.5 /2



:

1

0

1

0

“on change and periodically ” , “on change to 1 and periodically ” and “on change

to 0 and periodically”

:

5

10

...

1.5

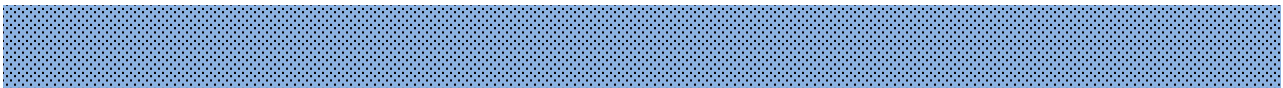
2

:



Blocking

:



1 0

:

1:

0:

0:

1:



1.

:

0

1



(2)

: / 0/ 1

: " "

4.7

Use frost alarm

☐ No ☒ Yes

Start frost alarm when
the outdoor temperature drops
below (in 0.1°C)

20

...ing or until (in hours)

after the end of pres...

End frost alarm when

an outdoor temperature of (in 0.1 °C) 50

is exceeded (in hours): 5

Transmission behaviour on change and periodically

Send cycle 1 min

Object value with frost 0 ☒ 1

4.7

"Frost alarm"

:

/

/

(0.1)

()

(0.1)

().

: -50...40

: 1...10

: 30...1000

: 1...10

:

□

on change and periodically ” , “on change to frost and periodically ” “on

change to no frost and periodically”

□ □□□

□

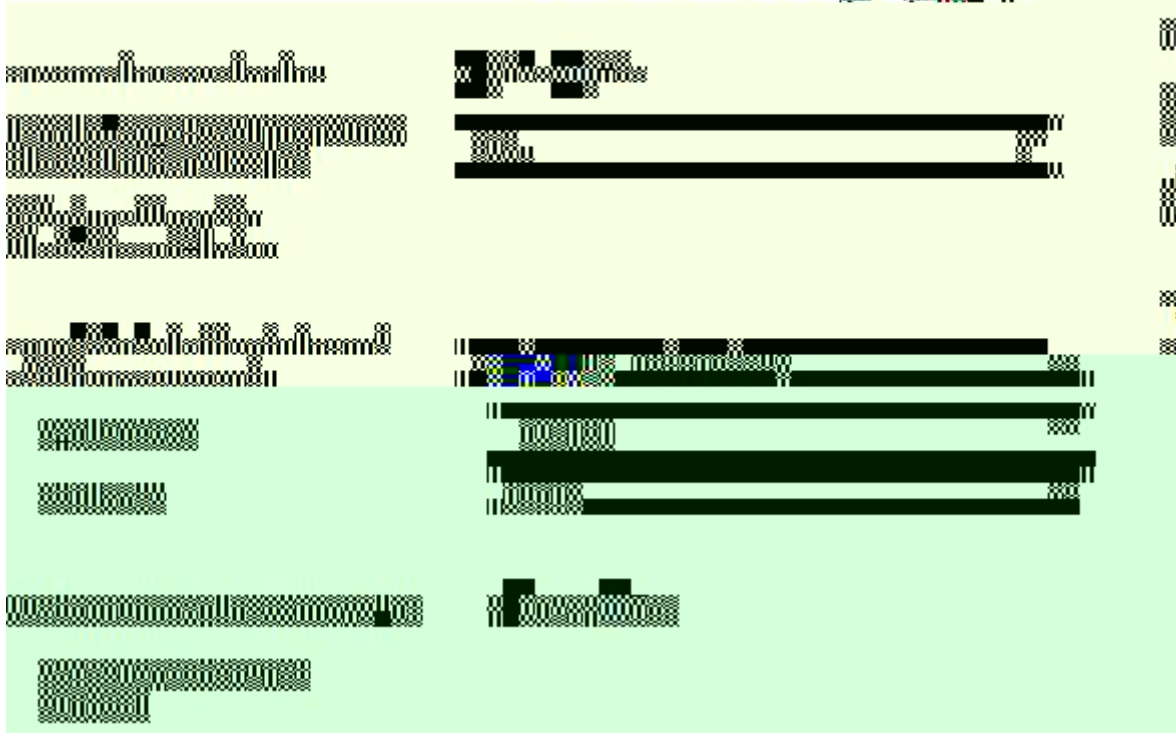
4.8

Use malfunction object

☐ No ☒ Yes

Offset in 0.1% RH

0



4.8

"Humidity measured value"



0.1%

: -100...100

:

:

5%

10%

...

95%

100%

:

“periodically” and “on change and periodically ”

:

5

10

...

1.5

2

“on change” and “on change and periodically ”

:

0.1%

0.2%

...

10.0%

20.0%

Reset humidity min/max value

4.9

9t

9tM

090 80 :

W K

W

□

4.9.1

1/2/3/4

Threshold value:

Maintain the

threshold values and delays received
via communication objects

not

Threshold value setpoint per



Parameter



Communication object

value in 0.1% RH

200

e switching distance
(s)

in %



absolute

distance (hysteresis) in 0.1%

50

output:

at
reshold value)
tching distance)

TV below = 1 | TV + SD above = 0

n be set via objects
(s)

No



Yes

n 0 to 1
til 1st communication

1 sec

n 1 to 0
til 1st communication

1 sec

sting outputs

on change and periodically

5 sec

Threshold

Setting th
(hysteresiSwitching
RH

Swiching c

Output is
(TV = thr
(SD = SwDelays ca
(in seconDelay fro
invalid urDelay fro
invalid ur

Send swit

Cycle

Block: _____

Use block of the switching output ☐ No ☒ Yes

Evaluation of the blocking object ☒ if value 1: block | if value 0: release
☐ if value 0: block | if value 1: release

Value of the blocking object before 1. communication ☐ 0 ☐ 1

Action when locking

Action when releasing (with 2 seconds release delay)

4.9.1

"Threshold value 1/2/3/4"

0.1%

: 1...1000

4.6.1

4.10

KNX GPS

Pro

Transmission behaviour

on change and periodically

on change of

0.5°C

Send cycle

10 sec

Use monitoring of the
cooling medium temperature

☐ No ☒ Yes

4.10

“Dew point measured value”

:

“periodically ”, “on change and periodically ”

:

5

10

...

1.5

2

“on change of ”, “on change and periodically ”

:

0.1

0.2

...

2.0

5.0

:

4.10.1

.

/

Threshold value:

Maintain the

offset received
via communication object

not

Threshold value =
dew point + offset

Start offset in °C
valid until 1. communication

30

Step size for offset change

0.1°C

Setting the switching distance
(hysteresis)

☒ in % ☐ absolute

Switching distance (hysteresis) in % of
threshold value

20

Threshold value sends

on change and periodically

on change of

0.1°C

Send cycle

10 sec

Switching output:

Output is at
(TV = threshold value)
(SD = Switching distance)

TV below = 0 | TV + SD above = 1

Delays can be set via objects
(in seconds)

☐ No ☒ Yes

Delay from 0 to 1
invalid until 1st communication

1 sec

to 0
invalid until 1st communication

1 sec

Send switching outputs
on change (1 second delay)

5 sec

Block:

Use block of the switching output

☐ No ☐ Yes

Evaluation of the blocking object

☐ if value 1: block | if value 0: release
☐ if value 0: block | if value 1: release

Value of the blocking object
before 1. communication

☐ 0 ☐ 1

Action when locking

Send 0

Action when releasing
(with 2 seconds release delay)

if switching output = 0 ==> send 0

4.10.1

"Cooling medium temp.monitoring"

< 1.0

+

+

1.

: 0...200

4.6.1

4.11

KNX GPS

Pro

Use measured values ☐ No ☒ Yes

Transmission behaviour

on change of

Send cycle

4.11

"Absolute humidity"

:

:

"periodically " and "on change and periodically "

:

5

10

...

1.5

2

“on change” and “on change and periodically ”

:

0.1

0.2

...

4

5

KNX/EIB

KNX GPS

:

:

“On change and periodically ”, “On change to comfortable and periodically ”

“On change to uncomfortable and periodically”

:

10

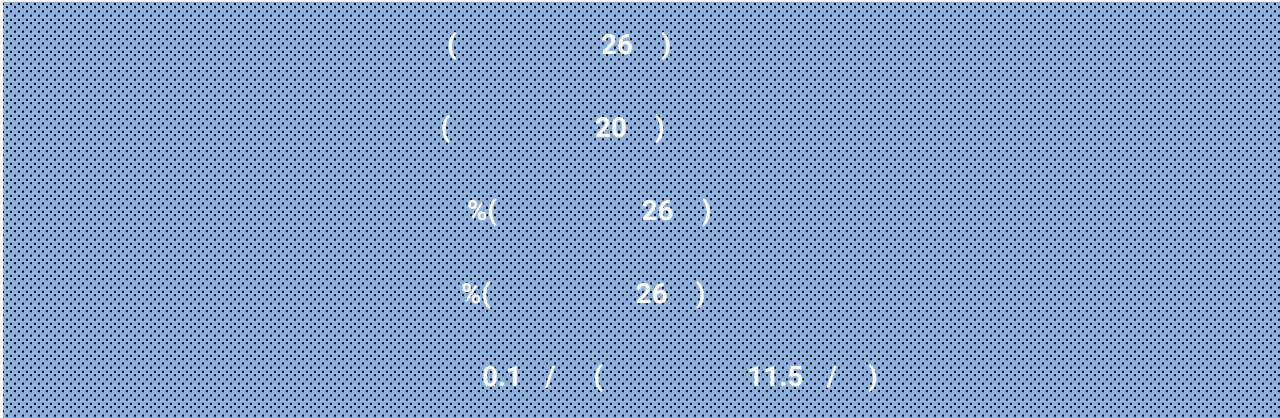
...

1.5

2

:

1 0
0 1



DIN 1946

: 25...40

: 10...21 : 52...90

: 10...43

: 50...2000

1946

1946

()

: 1

1

()

: 2%

2%

()

: 2 /

2 /

4.13

5

Transmission behaviour	on change and periodically
at and above change in %	20
Send cycle	5 sec

4.13

“Brightness”



:

“periodically” “on change and periodically”

:

- 5
- 10
- ...
- 1.5

2

%

“on change” and “on change and periodically”

: 1...100

4.14

Use threshold value 1	☐ No ☒ Yes
Use threshold value 2	☒ No ☐ Yes
Use threshold value 3	☒ No ☐ Yes
Use threshold value 4	☒ No ☐ Yes
Use threshold value 5	☒ No ☐ Yes

4.14

“Brightness threshold values”

1/2/3/4

4.14.1

1/.../8

Threshold value:

Maintain the

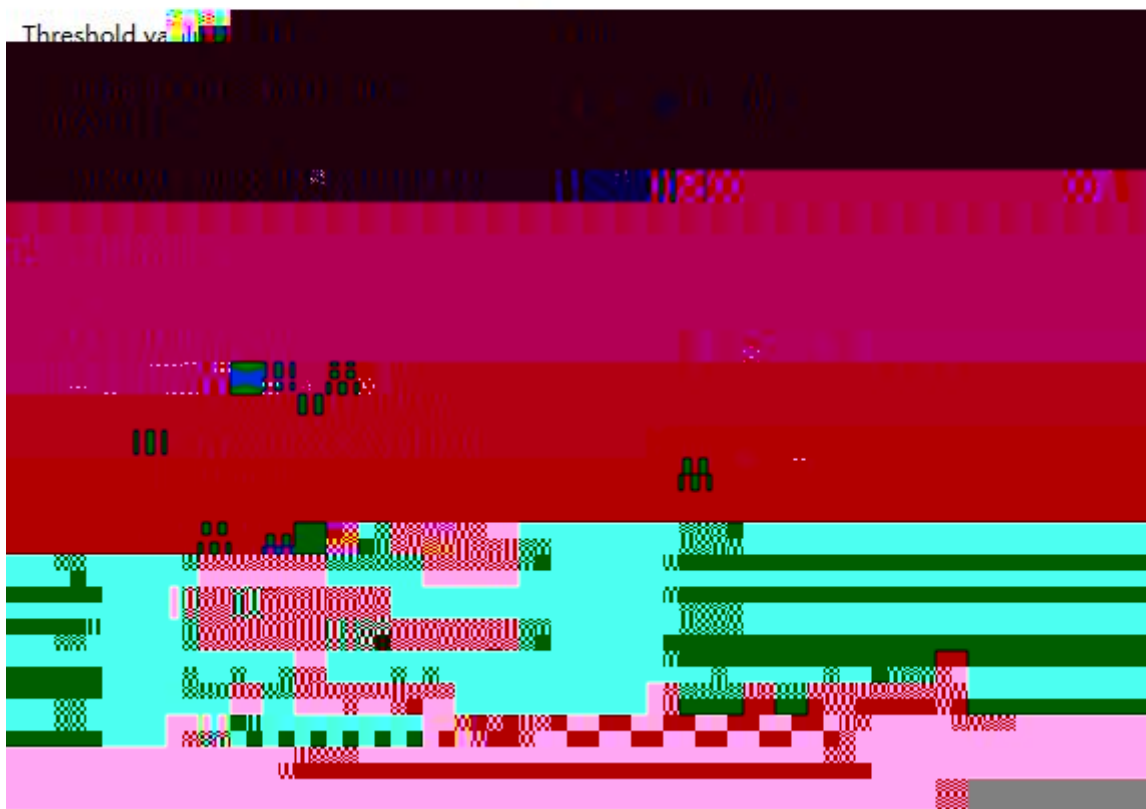
threshold values and delays received
via communication objects

not

Threshold value setpoint per

☒ Parameter

☐ Communication object



Block:

Use block of the switching output

☐ No ☒ Yes

Evaluation of the blocking object

☒ if value 1: block | if value 0: release

☐ if value 0: block | if value 1: release

Value of the blocking object
before 1. communication

☒ 0 ☐ 1

Action when locking

Send 0

Action when releasing

(with 2 seconds release delay)

Status object/s send/s

4.15

,

These threshold values refer to the sky sensor.

Use threshold value 1

☐ No ☒ Yes

Use threshold value 2

☐ No ☐ Yes

Use threshold value 3

☐ No ☐ Yes

Use threshold value 4

☐ No ☐ Yes

4.15

"Brightness, TV twilight sensor"

1/2/3/4

:

4.15.1

1/2/3/4

Threshold value:

Maintain the

threshold values and delays received
via communication objects

not ▼

Threshold value setpoint per

☒ Parameter ☐ Communication object

Threshold value in lux

10 ▲▼

Setting the switching distance
(hysteresis)☐ in % ☒ absolute

Switching distance (hysteresis) in Lux

5 ▲▼

Switching output:

Output is at
(TV = threshold value)
(SD = Switching distance)

TV above = 1 | TV - SD below = 0 ▼

Delays can be set via objects
(in seconds)☐ No ☒ YesDelay from 0 to 1
invalid until 1st communication

1 sec ▼

Block:

Use block of the switching output ☐ No ☒ Yes

Evaluation of the blocking object ☒ if value 1: block | if value 0: release
☐ if value 0: block | if value 1: release

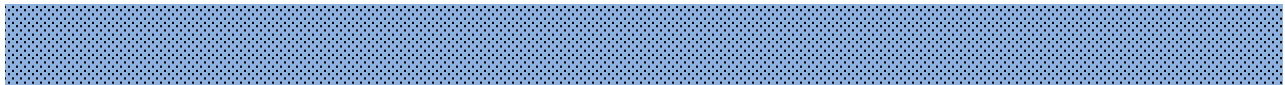
Value of the blocking object before 1. communication ☒ 0 ☐ 1

Action when locking Send 0 ▾

Action when releasing (with 2 seconds release delay)  Status object/s send/s

4.15.1

"Threshold value 1/2/3/4"



: 1000...15000

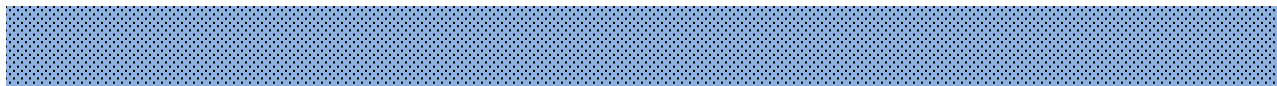
4.6.1

4.16

Use night recognition	☐ No ☒ Yes
Maintain the delays received via communication objects	not ▼
Night is detected from and below Lux	10 ▲▼
Switching distance (hysteresis) in Lux	5 ▲▼
Delays can be set via objects (in seconds)	☐ No ☒ Yes
Delay on night valid until 1st communication	1 sec ▼
Delay on day valid until 1st communication	1 sec ▼
Send switching outputs	on change and periodically ▼
Send cycle	10 sec ▼
Object value at night	☐ 0 ☒ 1

4.16

"Night"



:

: 1...1000

()

: 0...500

()

:

"NO"

: /5 /10 /.../1.5 /2

1

1

"yes"

: /5 /10 /.../1.5 /2



:

“on change and periodically ” , “on change to night and periodically ” “on

change to day and periodically”

:

5

...

2



: 0/1

4.17

Sun position ☒ is calculated ☐ is received

Object type ☒ 4 byte floating point ☐ 2 byte floating point

Transmission behaviour on change and periodically

on change of 1.0 degrees

Send cycle 1 min

4.17

"Sun position" 2)

Modbus RTU 24-bit 3 byte 011

4.18

Wind speed unit:
(valid for all parameters values)

☒ m/s ☐ km/h

i If changing the unit, the parameters for the wind threshold values and façade/wind alarm must be set again!

Use malfunction object No ☐ Yes ☐

Measurement also output as Beaufort wind strengths No ☐ Yes ☐

Beaufort scale:

- 0 = no wind, calm
- 1 = Light air
- 2 = Light breeze
- 3 = Gentle breeze
- 4 = Moderate breeze
- 5 = Fresh breeze
- 6 = Strong breeze
- 7 = Near gale
- 8 = Gale
- 9 = Strong gale
- 10 = Storm
- 11 = Violent storm
- 12 = Hurricane

Transmission behaviour on change and periodically ▼

on change of 5% ▼

Send cycle 5 sec ▼

Use maximum value No ☐ Yes ☐

Value is not retained after reset

4.18

"Wind measurement"

5

6

7

8

9

10

11

12



:

“periodically” and “on change and periodically”

:

5

10

...

1.5

2

“on change” and “on change and periodically”

:

2%

5%

...

25%

50%

:

4.19

Use threshold value 1	☒ No ☐ Yes
Use threshold value 2	☒ No ☐ Yes
Use threshold value 3	☒ No ☐ Yes
Use threshold value 4	☒ No ☐ Yes

4.19

"Wind threshold value"

1/2/3/4

:

4.19.1

1/2/3/4

Threshold value:

Maintain the

threshold values and delays received from communication objects

not

Threshold value setpoint per

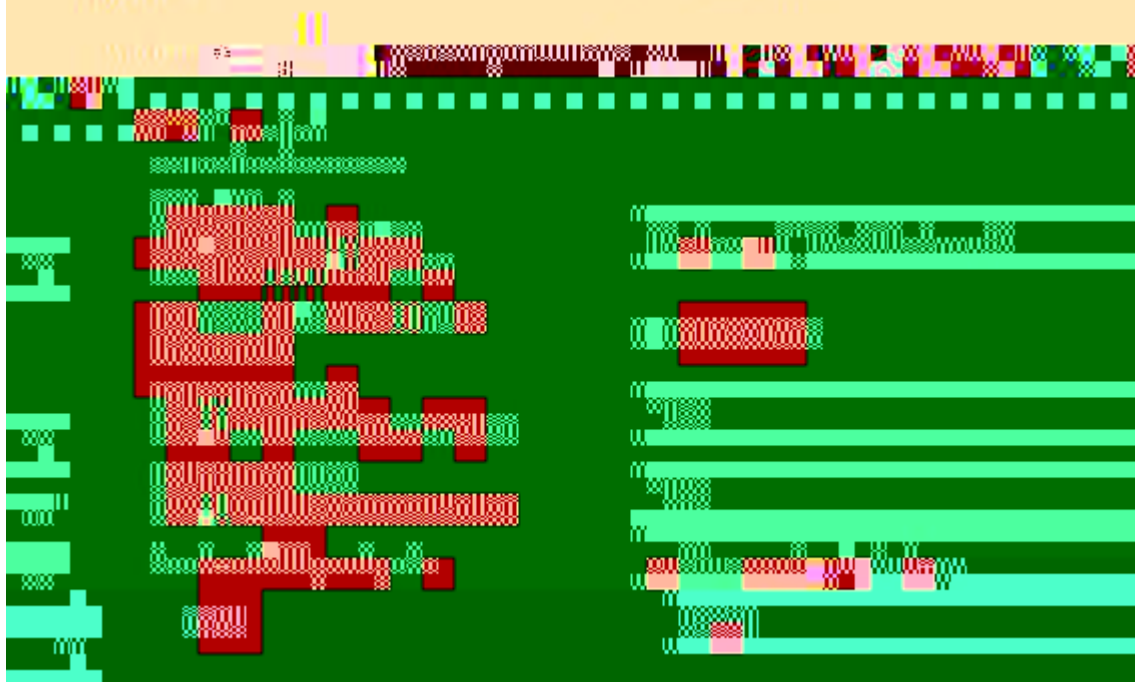
☒ Parameter ☐ Communication object

Threshold value in 0.1 m/s

40

Setting the switching distance

☐ On ☐ Off





4.7.1

"Wind threshold value 1/2/3/4"



:1...350

4.6.1

4.20

Measured value object:

Send measured value

on change and periodically

on change of

5°

Send cycle

5 sec

Send measured value as:

1 byte object

2 byte object

Send wind direction

Send wind direction as text

Send wind direction as text

no direction switching distance
hysteresis

Send cycle:

at lower wind speed (v < 0.5 m/s)

North (0°)

North-East (45°)

East (90°)

South-East (135°)

South (180°)

South-West (225°)

West (270°)

Wind speed

North

North-East

East

South-East

South

South-West

West

1 byte object

2 byte object

1 bit object:

Send wind direction as a 1 bit object

on change and periodically

Wind direction Switching distance (hysteresis)

5°

Send cycle:

5 sec

North (0°)

if active, send:

☐ 0 ☒ 1

North-East (45°)

if active, send:

☐ 0 ☒ 1

East (90°)

if active, send:

☐ 0 ☒ 1

South-East (135°)

if active, send:

☐ 0 ☒ 1

South (180°)

if active, send:

☐ 0 ☒ 1

South-West (225°)

if active, send:

☐ 0 ☒ 1

West (270°)

if active, send:

☐ 0 ☒ 1

North-West (315°)

if active, send:

☐ 0 ☒ 1

4.20

"Wind direction"

:

:

“periodically” “on change and periodically”

:

5

10

...

1.5

2

“on change” “on change and periodically”

:

2%

5%

...

25%

50%

:

“no”

:

1

4

:



:

“periodically”

“on change and periodically”

:

5

10

...

1.5

2

()

“on change”

“on change and periodically”

:

0°

1°

...

16°

20°

(<0.5° /)

(0°)

- (45°)

(90°)

- (135°)

(180°)

- (225°)

(270°)

- (315°)

1 :

1

1bit

:

“periodically” “on change and periodically”

:

5

10

...

1.5

2

()

“on change” “on change and periodically”

:

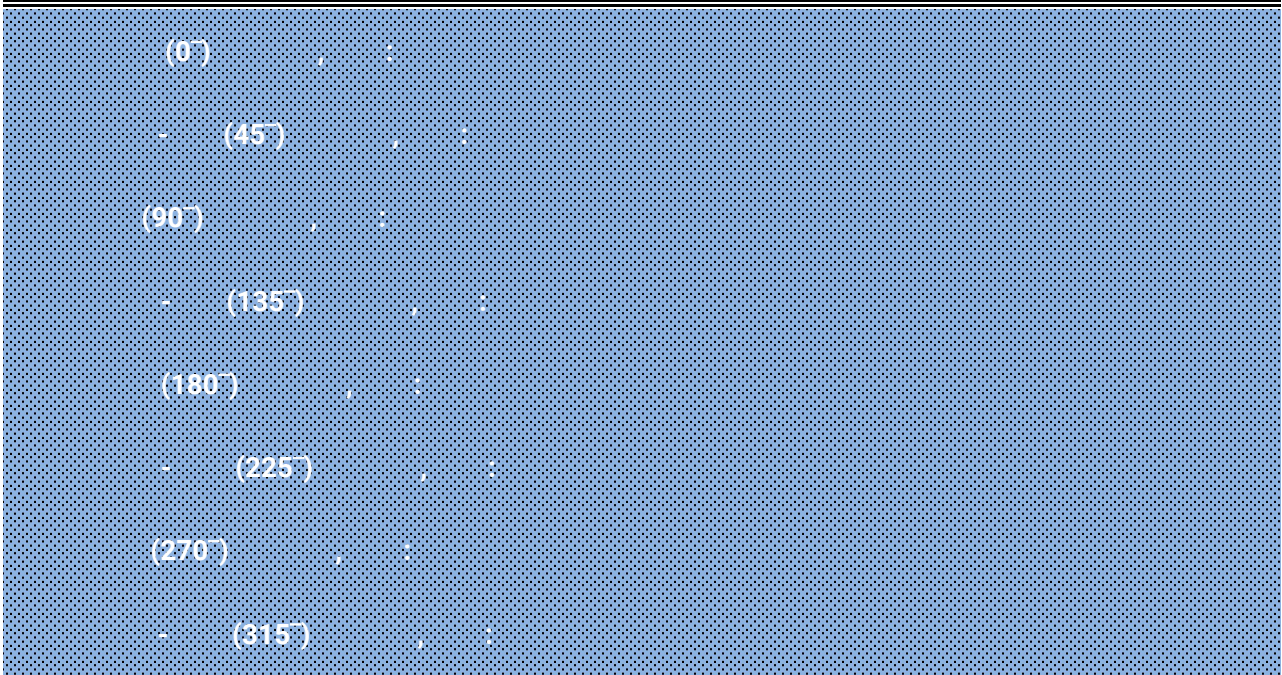
0⁻

1⁻

...

16⁻

20⁻



1bit

:

0

1

4.21

Use range 1 ☒ No ☐ Yes

Use range 2 ☒ No ☐ Yes

Use range 3 ☒ No ☐ Yes

Use range 4 ☒ No ☐ Yes

1/2/3

:

4.21.1

1/2/3/4

Wind direction angle range:

Maintain the

ranges and delays received
via communication objects

not

Reported data indication for

☒ Parameter ☐ Communication object

Angle range

from:

0

to:

0

Output is "one" if the value is within range.

Switching distance (hysteresis):

5°

Output is "zero" if the value is outside the range, incl. switching distance (hysteresis) (from - SD to + SD).

Switching output:

Delay can be set via objects
(in seconds)☐ No ☒ YesDelay from 0 to 1
valid until 1st communication

1 sec

Delay from 1 to 0
valid until 1st communication

1 sec

Send switching output

on change and periodically

Cycle

5 sec

Block

Use switching procedure block

☐ No ☒ Yes

Evaluation of the blocking object

☒ if value 1: block | if value 0: release
☐ if value 0: block | if value 1: release

Value of the blocking object before 1st communication

☒ 0 ☐ 1

Action when locking: ☐ do not send telegram

Action upon release (with ☐): ☐ do not send telegram

4.21.1

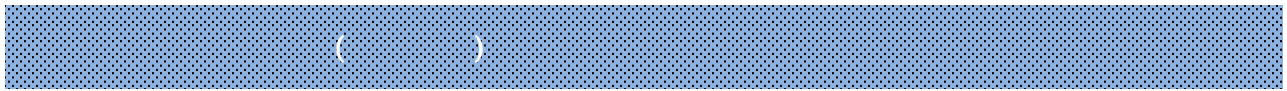
"Range 1/2/3/4"

:

/

:

:



:

0⁻

5⁻

...

16⁻

20⁻

:

:

: 0...359

:

/

/

“Increment/decrement”

:

1⁻

2⁻

...

20⁻

30⁻

4.6.1

4.22

Air pressure unit: Pa
(1 Pa = 0.01 hPa = 0.01 mbar)

Normal air pressure:
at sea level, temperature-compensated



Transmission behaviour text object on change and periodically

Text for normal pressure range

< 98,000 Pa (e.g. weather is stormy)	stürmisch
98,000...100,000 Pa (e.g. weather is rainy)	regnerisch
100,000...102,000 Pa (e.g. weather is changeable)	wechselhaft
102,000...104,000 Pa (e.g. weather is sunny)	sonnig
> 104,000 Pa (e.g. weather is very dry)	sehr trocken
Send cycle	10 s

4.22

"Pressure measured value"

:

()

(1 0.01 0.01)

:

,

:

:

98,000 :

98,000:

100,000...102,000 :

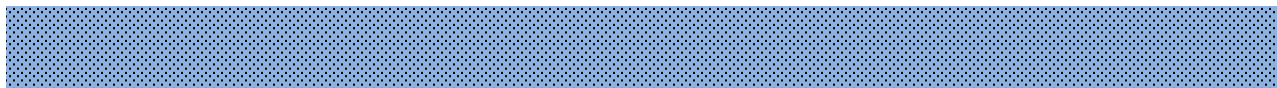
100,000...102,000 :

102,000...104,000 :

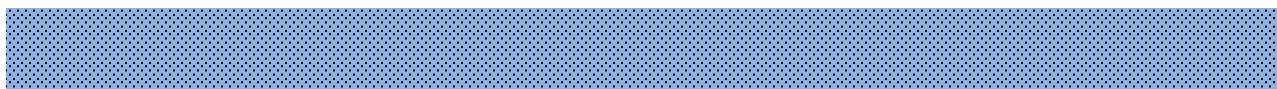
102,000...104,000 :

104,000 :

104,000 :



:



:



:

“periodically” “on change and periodically”

:

5

10

...

1.5

2

“on change” “on change and periodically”

:

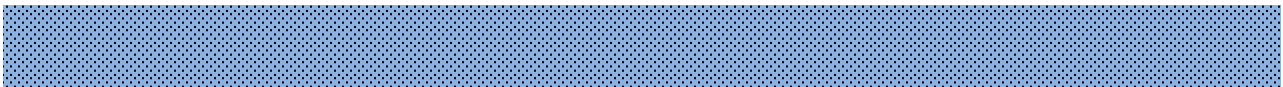
10

20

...

200

500



:



:

<98,000	(. .)
<98,000 ... 1000,000	(. .)
100,000 0	

:

5

10

...

1.5

2

4.23

Use threshold value 1

☒ No ☐ Yes

Use threshold value 2

☒ No ☐ Yes

Use threshold value 3

☒ No ☐ Yes

Use threshold value 4

☒ No ☐ Yes

4.9

"Pressure threshold values"

1/2/3/4

:

4.23.1

1/2/3/4

Threshold value:

Maintain the

threshold values and delays received
via communication objects

not

Type of measurement for
threshold value calculation

☐ Normal air pressure ☒ Barometric pressure

Threshold value setpoint per

☒ Parameter ☐ Communication object

value in 10 Pa

10200

Threshold

e switching distance

☐ in % ☒ absolute

Setting t
(hys)



Block:

Use block of the switching output

☐ No ☒ Yes

Evaluation of the blocking object

☒ if value 1: block | if value 0: release

☐ if value 0: block | if value 1: release

Value of the blocking object
before 1. communication

☒ 0 ☐ 1

Action when locking

Send 0 ▼

Action when releasing

(with 2 seconds release delay)

Send 1

4.9

"Threshold value 1/2/3/4"

:

10

: 3000...11000

4.6.1

4.24

Use summer compensation ☐ No ☒ Yes

Characteristic curve description:

Outdoor temperature point 1 (in 0.1°C)

Outdoor temperature point 2 (in 0.1°C)

below point 1, the target value is (in 0.1°C)

above point 2, the target value is (in 0.1°C)

Between points 1 and 2, the target value is calculated on a linear basis.

The following standard values comply with DIN 1946:

Point 1: Outdoor temperature = 20°C
Target value = 20°C

Point 2: Outdoor temperature = 32°C
Target value = 26°C

Transmission behaviour

on change of

Send cycle

Use block ☐ No ☒ Yes

Evaluation of the blocking object ☒ if value 1: block | if value 0: release
☐ if value 0: block | if value 1: release

Value of the blocking object

:

:

1(0.1)

2(0.1)

1, (0.1)

2, (0.1)

1 2

1 2

: 0...500 1 2, .

1 2

60529: 1946

1: 20 20 1: 20 20

2: 32 26 2: 32 26

GPS

KNX/EIB

KNX GPS

Pro

M
'6 11, 11 _AS- 11 6s

4

101
101
101

2.0

5.0



:



1 0

:

1:

0:

0:

1:



1.

:

0

1



:

(0.1)

"send value"

: 0...500

4.25

10

4.25.1.7

Use façades ☐ No ☒ Yes

Use simulation objects ☒ No ☐ Yes

Use façade 1 ☐ No ☒ Yes

Use façade 2 ☒ No ☐ Yes

Use façade 3 ☒ No ☐ Yes

Use façade 4 ☒ No ☐ Yes

Use façade 5 ☒ No ☐ Yes

Use façade 6 ☒ No ☐ Yes

Use façade 7 ☒ No ☐ Yes

Use façade 8 ☒ No ☐ Yes

Use façade 9 ☒ No ☐ Yes

Use façade 10 ☒ No ☐ Yes

Use façade 11 ☒ No ☐ Yes

Use façade 12 ☒ No ☐ Yes

4.25(1)

General settings

Maintain the
threshold values received
via communication objects

not

4.25(2)Facades_General settings

Live monitoring

Use wind and
rain object monitoring

☒ No ☐ Yes

Monitoring period

5 sec

4.25(3)Facades_Live monitoring



4.25(4)Facades_Wind and rain alarm

Rain automation

Preset of extension delay for rain automation per ☐ Parameter ☒ Object

Extension delay on rain automation (in minutes)

until 1st communication

Minimum extension delay (in minutes)

Maximum extension delay (in minutes)

Step size (in minutes)

4.25(5)Facades_Rain automation

Night

Specify the threshold value for night-time, based on ☐ Parameter ☒ Object

Night is detected below (in Lux)

Valid till 1st communication on

Minimum adjustable value (in Lux) for twilight

Maximum variable value (in Lux) for twilight

Step size (in Lux)

4.25(6)Facades_Night

Outdoor temperature

For frost alarm, heat protection and outdoor temperature block

Measurement of

☐ Internal sensor ☒ Communication object

4.25(7)Facades_Outdoor temperature

Heat protection

Preset of the threshold value for heat protection per...

☐ Parameter ☒ Object

Activate heat protection, if outdoor temperature is exceeded.

Temperature (in 0.1 °C) 350

valid till 1st communication

Minimum adjustable temperature (in 0.1°C) 200

4.25(8)Facades_Heat protection

Frost alarm

Preset of frost protection values per ☐ Parameter ☒ Object

Start frost alarm if an

Outdoor temp. of (in 0.1°C
valid until 1st communication)

20

is underrun,
during or up to(valid in hours
until 1st communication)

5

after precipitation.

Min. adjustable ext. temperature
(in 0.1°C)

-10

Max. variable external
temperature (in 0.1°C)

40

Minimum adjustable end time
(in hours)

1

Maximum variable start time
(in hours)

10

End frost alarm if an

Outdoor temp. of (in 0.1°C
valid until 1st communication)

50

is exceeded for more than

(valid in hours
until 1st communication)

5

Min. adjustable ext. temperature
(in 0.1°C)

20

Max. variable external
temperature (in 0.1°C)

100

Minimum adjustable end time
(in hours)

1

Maximum variable end time
(in hours)

10

Temperature increment
(in 0.1°C)

5

4.25(9)Facades_Frost alarm

KNX/EIB

KNX GPS

Pro

Texts that are output with object
"Façade X channel status bit text"

Block automation using communication object	Auto. Sperre
Wind extension block status	Windausfahrsp.
Wind alarm status	Windalarm
Rain alarm status	Regenalarm
Rain automation status	Regenautomatik
Frost alarm status	Frostalarm
Safety status	Sicherheit
Time open status	Zeitöffnen

Outdoor temperature block status	A-temp Sperre
Night closure status	Nachtschließen
Timed closure status	Zeitschließen
Heat protection status	Hitzeschutz
Pyranometer status	Pyranometer
Indoor temperature blocking status	A-temp Sperre
Sun shining on façade status	Sonne auf Fass

4.25(12)Facades_Text that are output with object"Facade X channel state bit text"



:



:

, (,) .

10

.

10



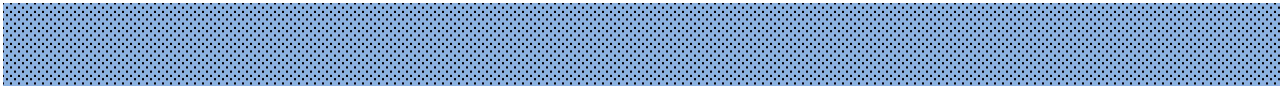
1/.../12

4.25.1

4.25.2 :



:



:

“yes”

:

5

10

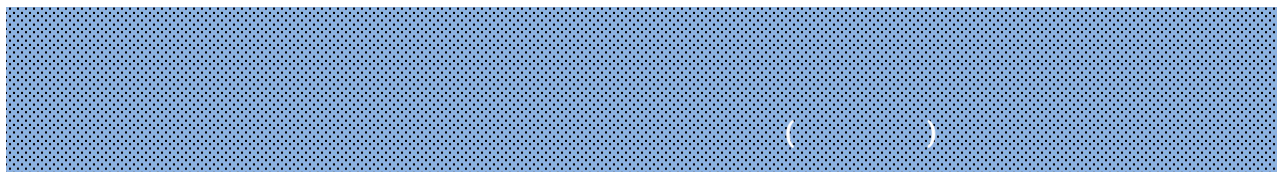
...

1

2

:

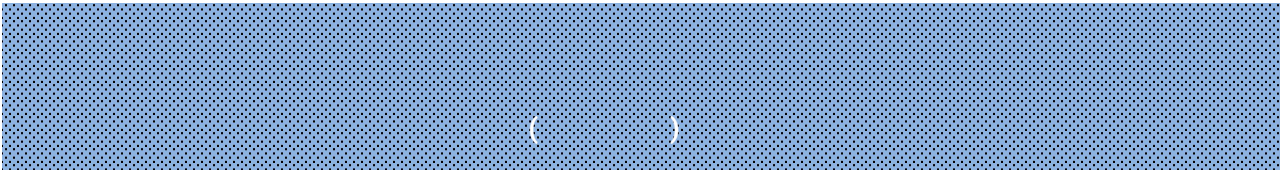
:



□ □ □ □ □ □

I  ^

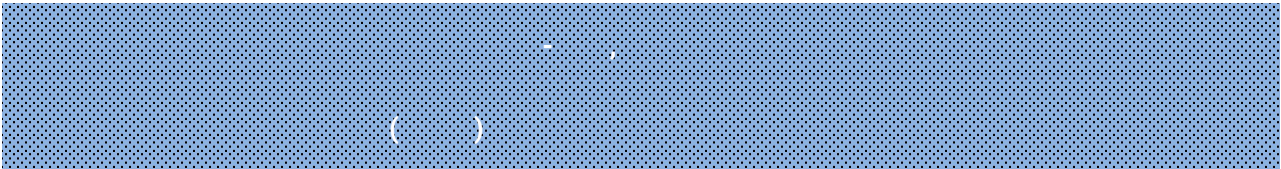
W



: /

: 1...120

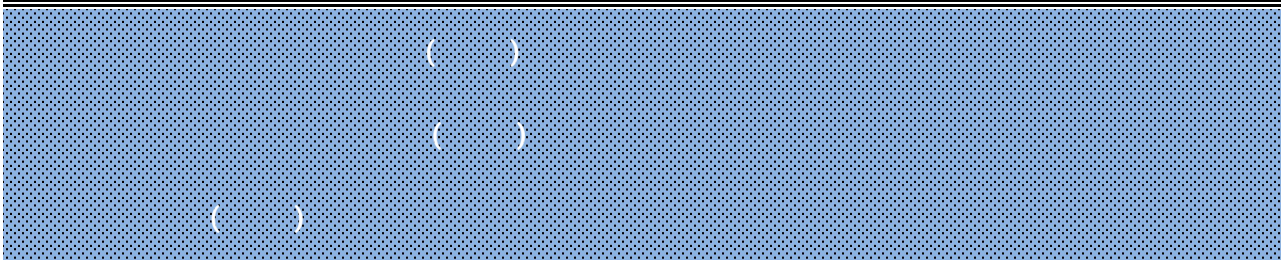
:



1

: /

: 1...200



: 1...200

: 1...200

: 1...10

:

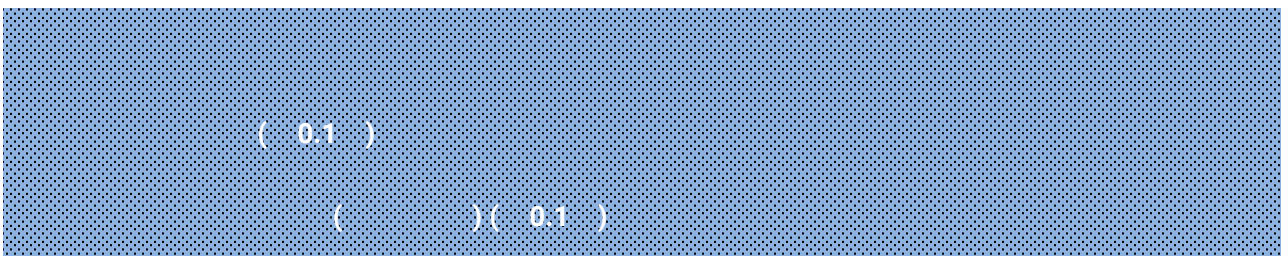
,



:

: 48

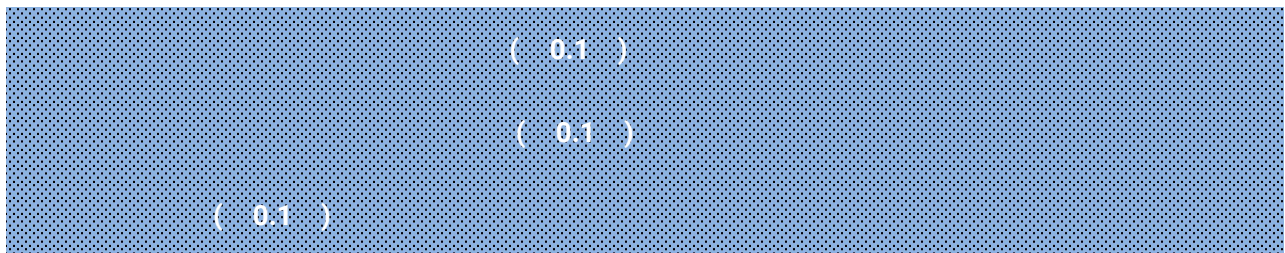
:



: /

: 100...500

: 10...200

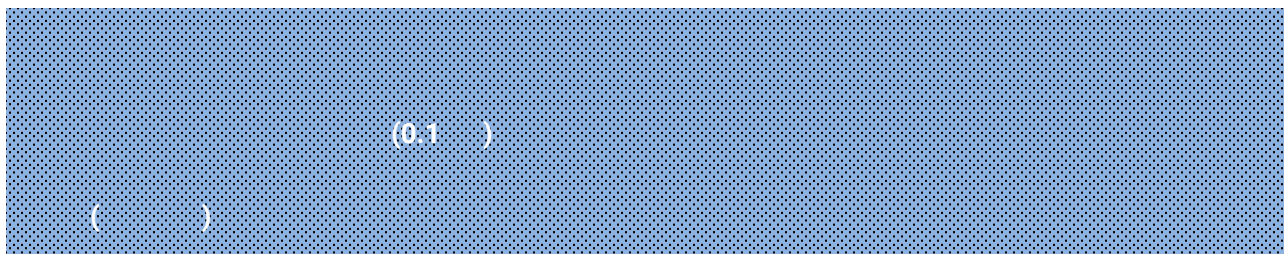


: 100...500

: 100...500

: 1...10

:



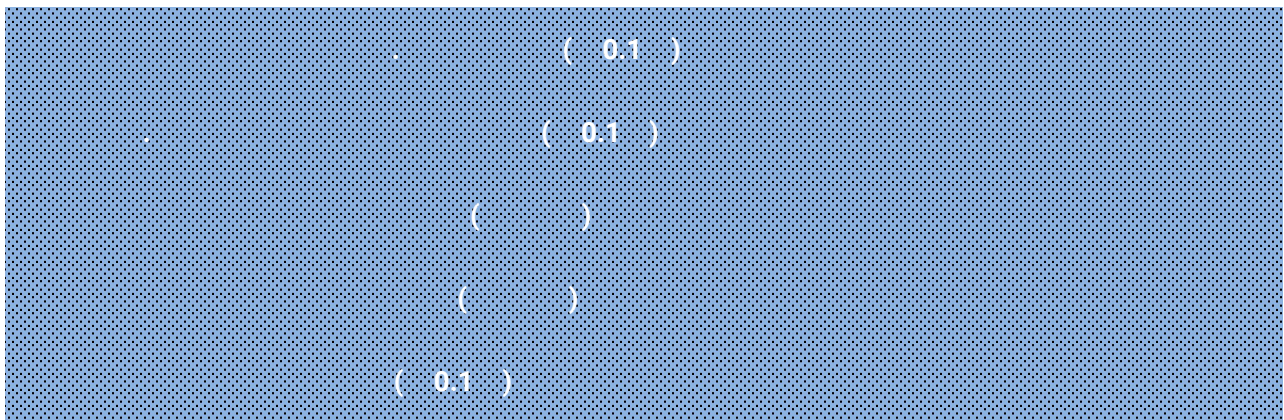
: /

: -200...300

: 1...10

/

/



: -200...300

: -200...300

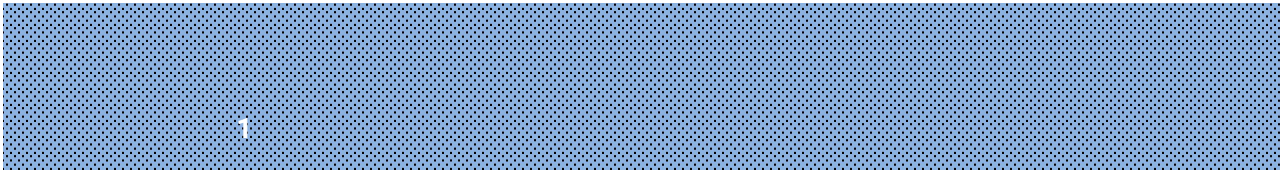
: 1...10

: 1...10

: 0...255

:

4.25.1.8



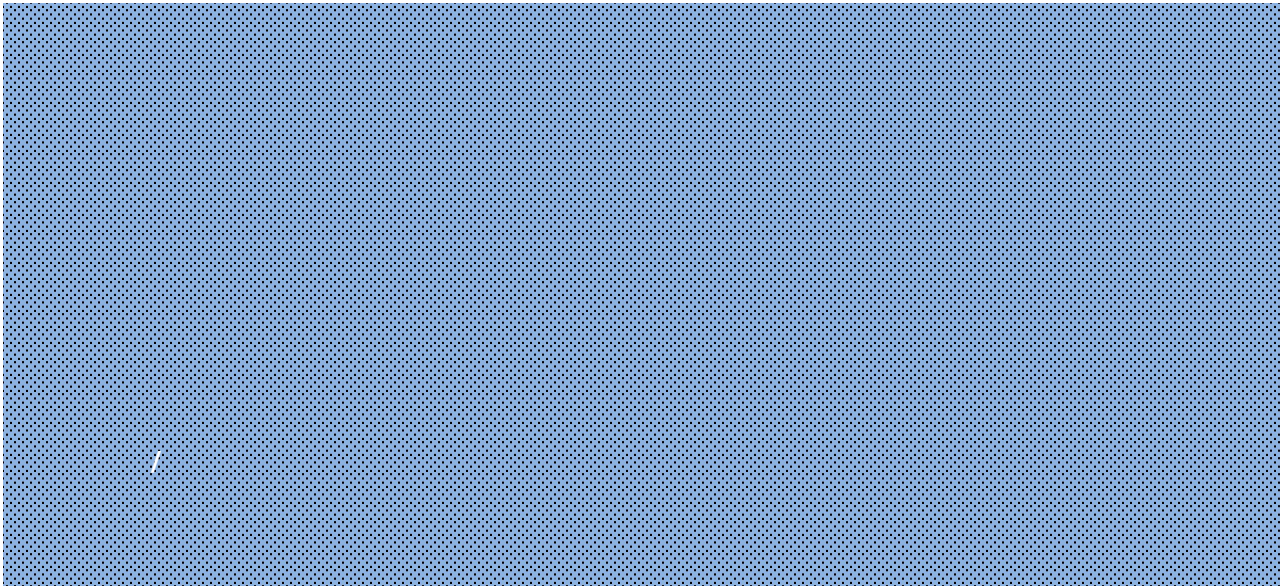
1

release 1 0

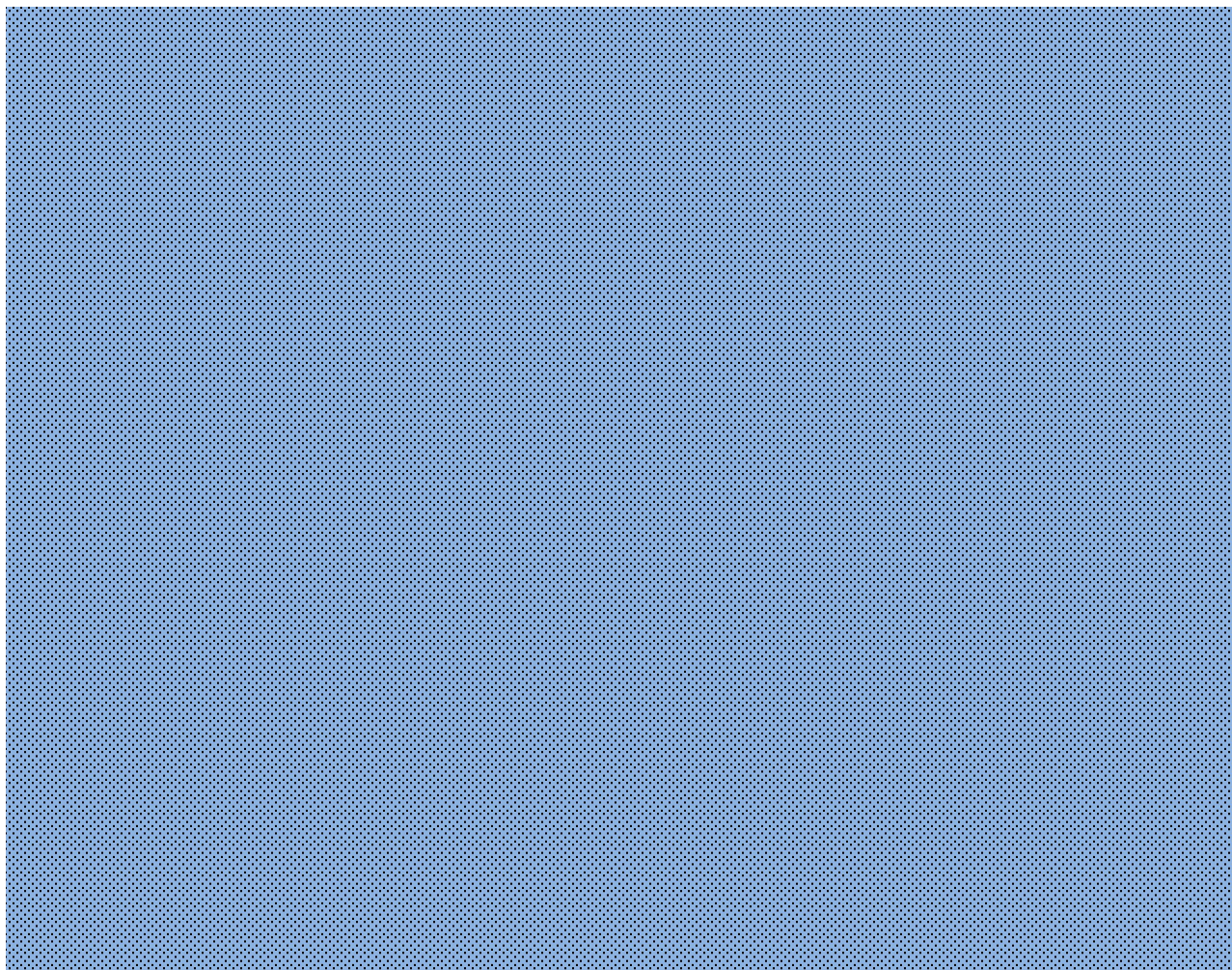
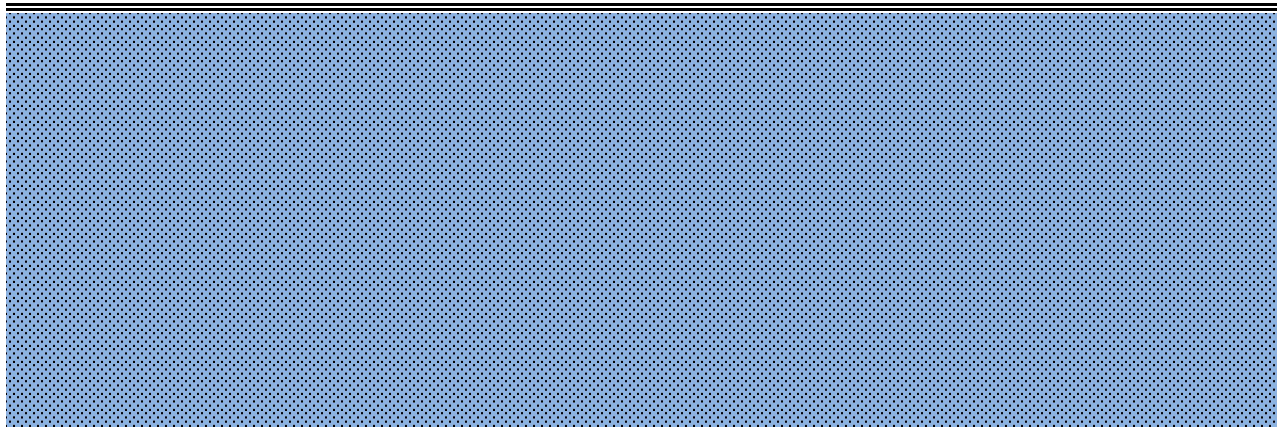
: 1 0 /0 1

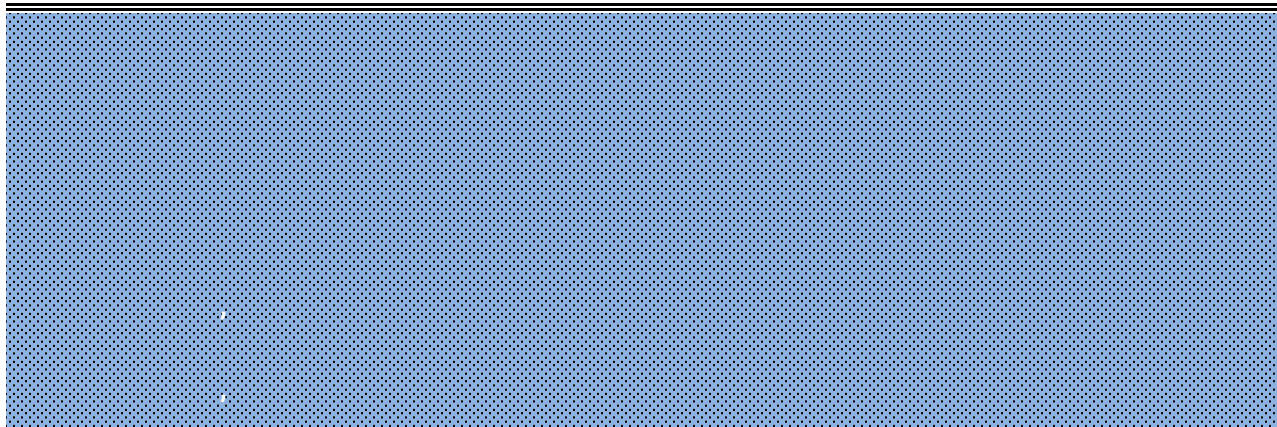
: 0/1

14



/





4.25.1

1/.../12: ,

Name

Fassade 1

Use simulation objects

☐ No ☒ Yes

Does the screen have slats?

☐ No ☒ Yes

Evaluation of the blocking object

☒ 1 = block | 0 = Release
☐ 0 = block | 1 = ReleaseBlocking object value
before 1. communication☐ 0 ☒ 1

Action after locking

☒ Execute the last automatic command
☐ Wait for next automatic commandCombine wind, frost and rain alarm to
safety object?☐ No ☒ YesTransmission behaviour for safety
and alarm status objects

on change to 1 and periodically ▼

Send cycle

10 sec ▼

Transmission behaviour for movement
and slat position objects☐ on change ☒ on change and periodically

Send cycle

10 sec ▼

Maintain the

threshold values received
via communication objects

not ▼

4.25.1(1)

Wind alarm

use

as wind alarm per threshold value

Note: If there has been no measurement change at the activated wind sensors within 48 hours, wind alarm will be triggered.

use the following wind sensors

Internal sensor measurement

☐ No ☒ Yes

Measurements of communication object

Façade wind 1

☒ No ☐ Yes

Façade wind 2

☒ No ☐ Yes

Façade wind 3

☒ No ☐ Yes

Façade wind 4

☒ No ☐ Yes

Façade wind 5

☒ No ☐ Yes

Façade wind 6

☒ No ☐ Yes

Façade wind 7

☒ No ☐ Yes

Façade wind 8

☒ No ☐ Yes

Façade wind 9

☒ No ☐ Yes

Façade wind 10

☒ No ☐ Yes

Façade wind 11

☒ No ☐ Yes

12

☒ No ☐ Yes

Façade wind

Thresh...  value setpoint using ☐ Parameter ☒ Object

Wind alarm threshold value
(in 0.1 m/s) retracts curtain.

valid till 1st communication

Minimum threshold value
(in 0.1 m/s)

Maximum threshold value
(in 0.1 m/s)

Step size 0.5 m/s

Wind alarm delay (in s)



4.25.1(2) Wind alarm

Frost alarm

use

☐ No ☒ Yes

Note: If there has been no
measurement change at the outdoor
temperature sensor within 48 hours,
frost alarm will be triggered.

Frost alarm parameters adjustable
in the "Façades" menu

4.25.1(3) Frost alarm

Rain

use

as rain automation

Extension delay is set in the
Façades menu.

Use rain automation

with week time switch

Period 1

☐ No ☒ Yes

Period 2

☒ No ☐ Yes

Period 3

☒ No ☐ Yes

Period 4

☒ No ☐ Yes

Period 5

☒ No ☐ Yes

Period 6

☒ No ☐ Yes

Period 7

☒ No ☐ Yes

Period 8

☒ No ☐ Yes

Period 9

☒ No ☐ Yes

Period 10

☒ No ☐ Yes

Period 11

☒ No ☐ Yes

Period 12

☐ No ☐ Yes

Period 13

☐ No ☐ Yes

Period 14

☐ No ☐ Yes

Period 15

☐ No ☐ Yes

Period 16

☐ No ☐ Yes

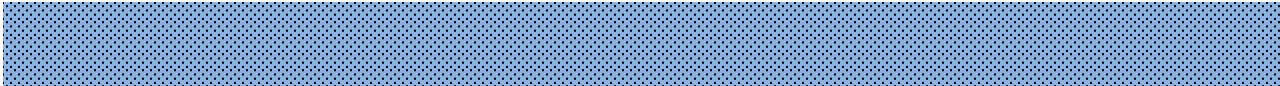
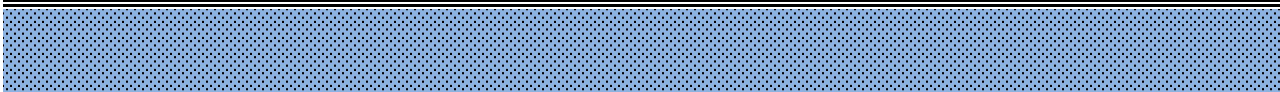
Period 17 ☒ No ☐ Yes

Period 18 ☐ No ☐ Yes

Period 19 ☐ No ☐ Yes

Period 20	☒ No ☐ Yes
Period 21	☒ No ☐ Yes
Period 22	☒ No ☐ Yes
Period 23	☒ No ☐ Yes
Period 24	☒ No ☐ Yes
with calendar time switch	
Period 1 Sequence 1	☒ No ☐ Yes
Period 1 Sequence 2	☒ No ☐ Yes
Period 2 Sequence 1	☒ No ☐ Yes
Period 2 Sequence 2	☒ No ☐ Yes
Period 3 Sequence 1	☒ No ☐ Yes
Period 3 Sequence 2	☒ No ☐ Yes
Period 4 Sequence 1	☒ No ☐ Yes
Period 4 Sequence 2	☒ No ☐ Yes
Movement position (in %)	0
Slat position (in %)	0
Analysis of the rain automation release object	☒ 1 = activated 0 = deactivated ☐ 0 = activated 1 = deactivated
Value up to 1st communication	☐ 0 ☒ 1
Rain automation follow-up time in minutes	5

4.25.1(4) Rain



4.25.1.7

:



:



1 0

:

1	0
0	1

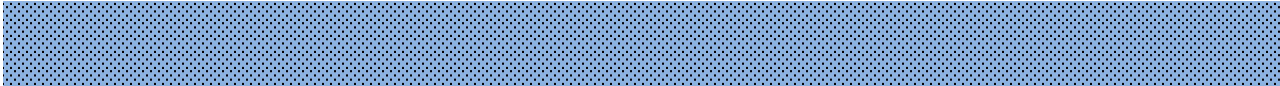


1.

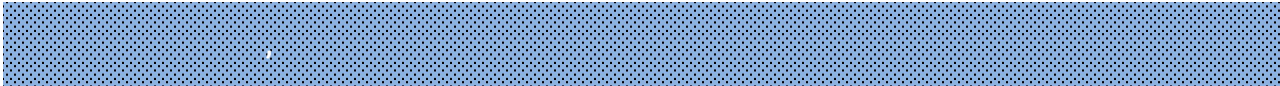
:

0

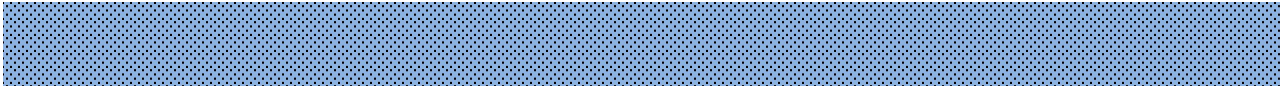
1



:



:



:

1

0

1

0

“On change and periodically” , “On change to 1 and periodically”

“On change to 0

and periodically”

:

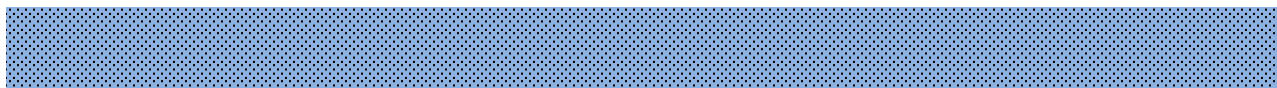
5

10

...

1.5

2



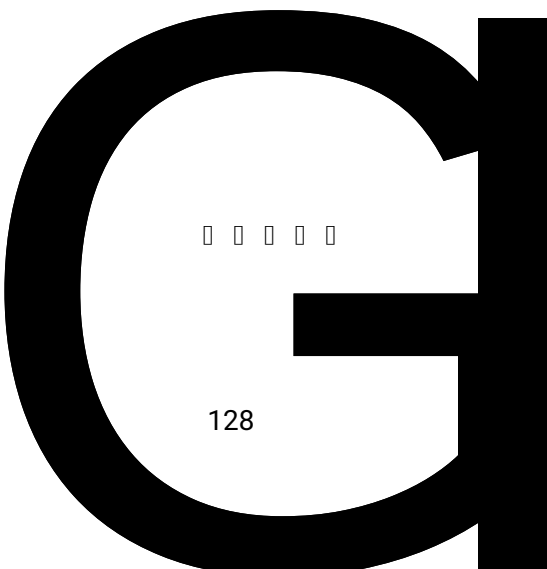
M 0 . 4 9 Ó@q),•

2

◀



□



□ □ □ □ □

fo

128

1.5

2



:

:

1.

2.

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1.

2.

3.

wind extension block



/

5

5

4.25

,

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.

48

:

1/.../12

1/.../12

:

:

(0.1 /) .
()

: 0...255

(0.1 /) .
(0.1 /)
(0.1 /)
()

: 0...255

:

48

4.25 Facades(Frost alarm)

:

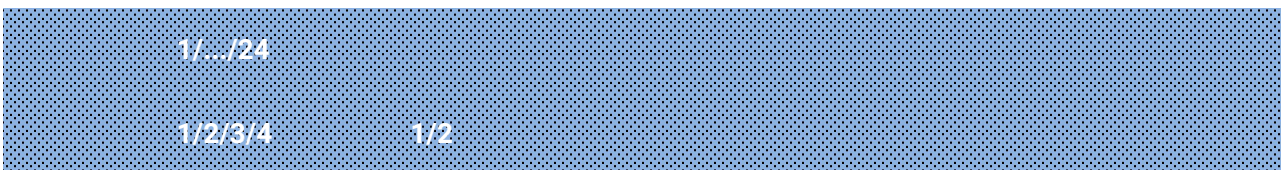
rain automation

4.25 Facades Rain automation

:



:



"week timer"

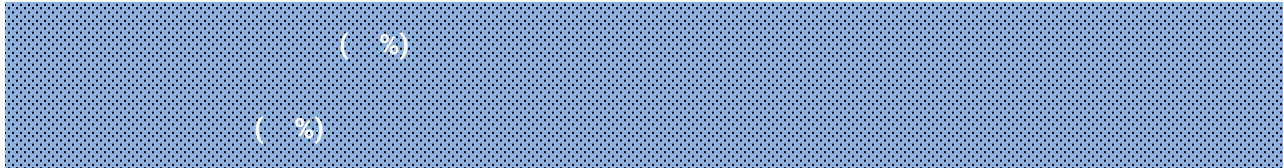
"month timer"

4.27 Weekly timer and

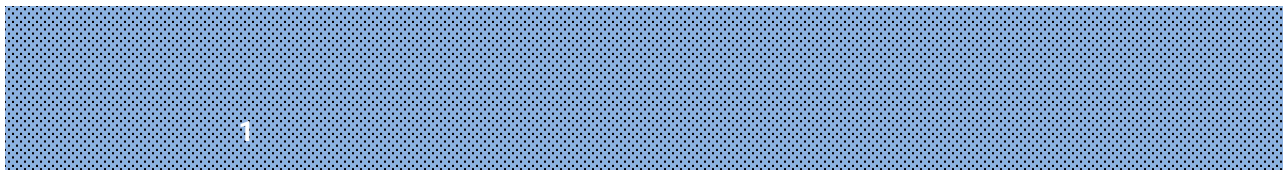
4.28 Calendar

timer

: /

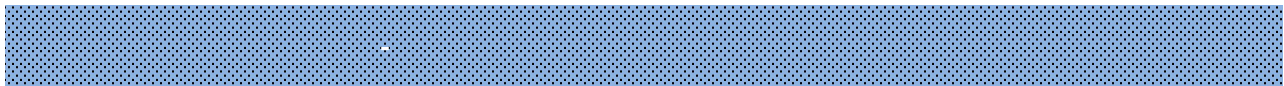


: 0...100



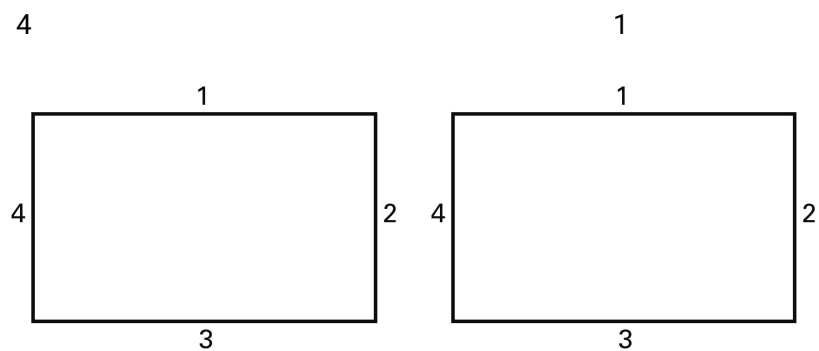
: 1 0 /0 1

: 0/1

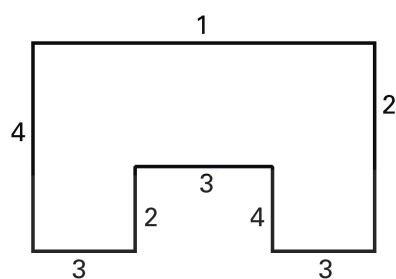


: 1...120

4.25.1.1



U 1 4 2



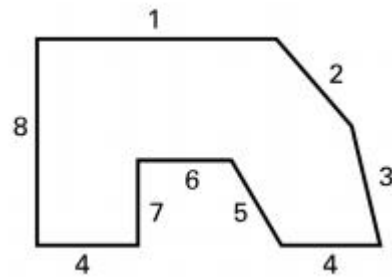
2

(2, 3, 5)

(6)

/

3



3

12

4.25.1.2

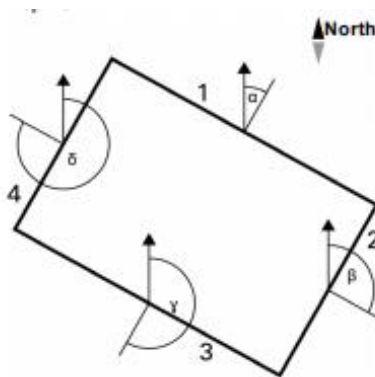
α 1

1 α

2 $\hat{R}=\alpha+90^\circ$

3 $\hat{r}=\alpha+180^\circ$

4 $\hat{R}=\alpha+270^\circ$



1

$\alpha = 30^\circ$

1

$= 30^\circ$

2

120°

3

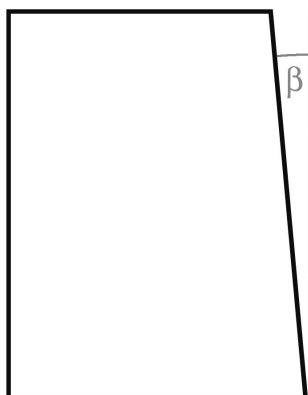
$= 210^\circ$

4

$= 300^\circ$

:

2



2

0°



K-BUS

KNX/EB

KNX GPS

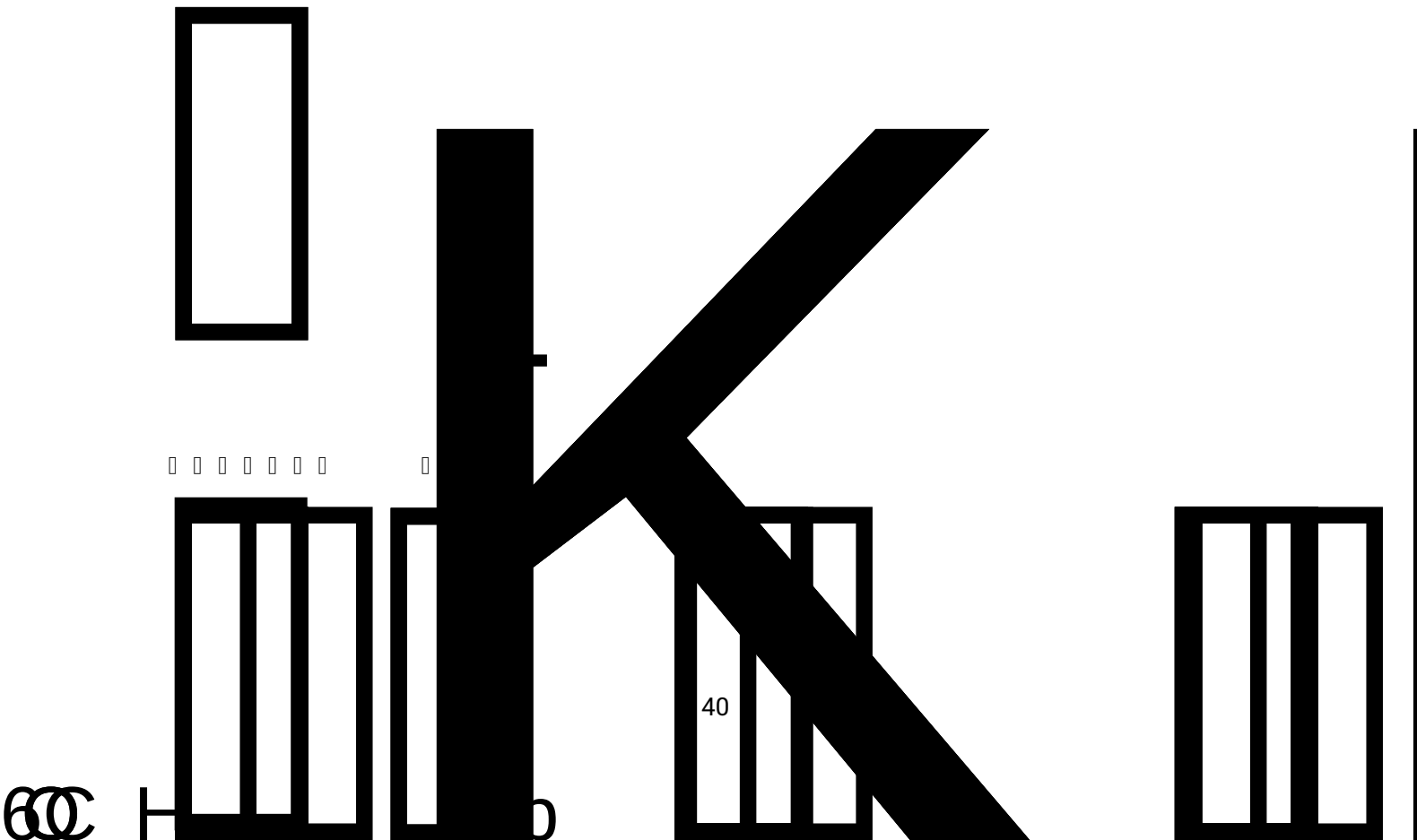
Pro

4.25.1.3

50 cm

□

□ □ □ □ □ □

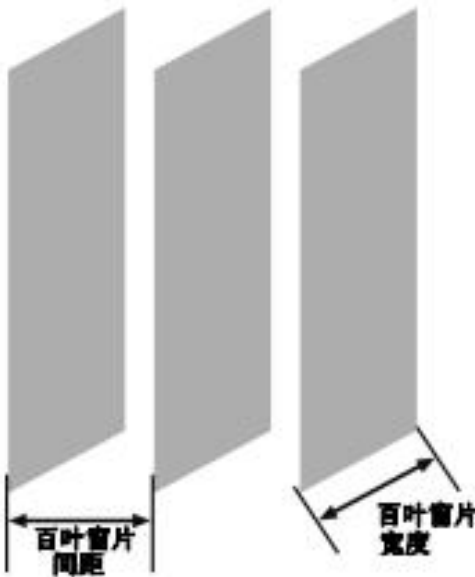
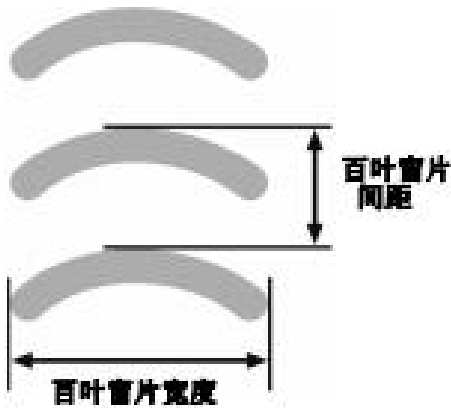


4.25.1.4

180°

KNX GPS

Pro



4.25.1.5

0%

100%

KNX GPS

Pro

SMI

100%

100%

α

Slat angle (in °)

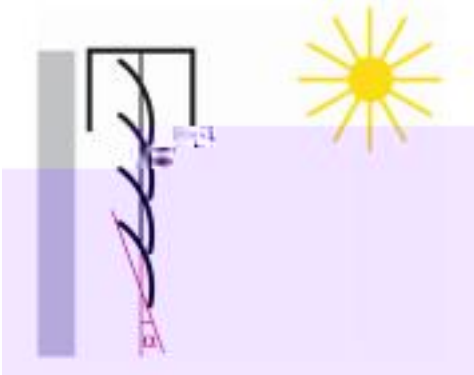
after slat move command 100%

10^{-}

100%

$\alpha \quad 10^{-}$

1



0%

0%

Slat angle (in °)

after slat move command 0%

90°

0%

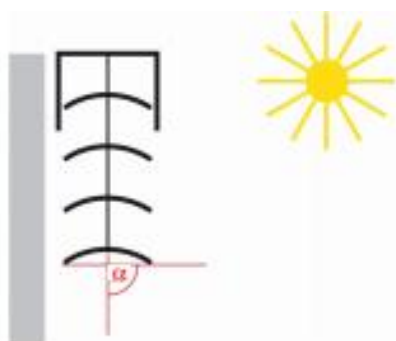
0%

1

α

90°

2



2

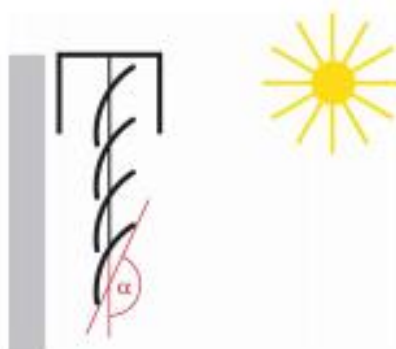
0%

2

α

160°

3



3

0%

0%

Slat angle

(in °) after slat move command 0%

90°

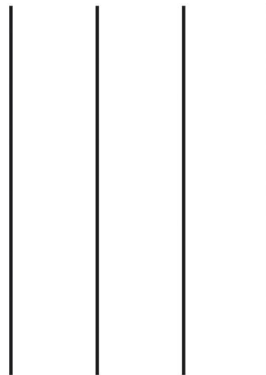
0%

1

α

90°

2



2

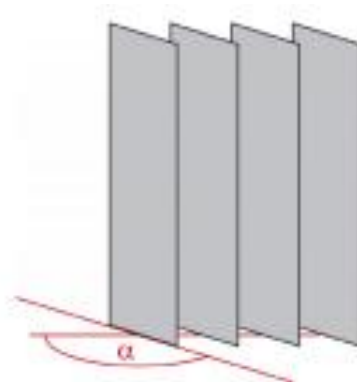
0%

2

α

130°

3



3

100%

0%

0% 100%

%

4.25.1.7

656 - 671

670 Facade simulation reset (1:Reset)

1

672 Facade 1 simulation (1: On

| 0: Off)

1

1

10

0

Facade 1 simulation (1:on | 0:off)

0

1

649	Facade X channel Name		
650	Facade X channel (1:+ 0:-)		1 0
651	Facade X channel Status text		
652	Facade X channel Status-bit text		
653	Facade X channel Status-bit condition		
654	Facade X channel Delay		/
655	Facade X channel Status-bit selection (1:+ 0:-)		

1

731-736

733 "Facade 1 channel status-bit text

652 Facade

X channel status bit text

4.25.2

1/.../12:

1.
2.
3.
4.
5.
6.
7.
8.

Timed opening

use

☐ No ☒ Yes

used

with week time switch

Period 1

☐ No ☒ Yes

Period 2

☒ No ☐ Yes

Period 3

☒ No ☐ Yes

Period 4

☒ No ☐ Yes

Period 5

☒ No ☐ Yes

Period 6

☒ No ☐ Yes

Period 7

☒ No ☐ Yes

Period 8

☒ No ☐ Yes

Period 9

☒ No ☐ Yes

Period 10

☒ No ☐ Yes

Period 11

☒ No ☐ Yes

Period 12

☒ No ☐ Yes

Period 13

☒ No ☐ Yes

Period 14

☒ No ☐ Yes

Period 15

☒ No ☐ Yes

Period 16

☒ No ☐ Yes

Period 17

☒ No ☐ Yes

Period 18

☒ No ☐ Yes

Period 19

☒ No ☐ Yes

Period 20	☒ No ☐ Yes
Period 21	☒ No ☐ Yes
Period 22	☒ No ☐ Yes
Period 23	☒ No ☐ Yes
Period 24	☒ No ☐ Yes
with calendar time switch	
Period 1 Sequence 1	☒ No ☐ Yes
Period 1 Sequence 2	☒ No ☐ Yes
Period 2 Sequence 1	☒ No ☐ Yes
Period 2 Sequence 2	☒ No ☐ Yes
Period 3 Sequence 1	☒ No ☐ Yes
Period 3 Sequence 2	☐ No ☐ Yes
Period 4 Sequence 1	☐ No ☐ Yes
Period 4 Sequence 2	☐ No ☐ Yes
Position during time opening	
Movement position (in %)	0 ▲
Slat position (in %)	0 ▲
Analysis of the opening time release object	☐ 1 = activated 0 = deactivated 0 = activated 1 = deactivated
Value up to 1st communication	0 ☐ 1

4.25.2(1) Timed opening

Timed and night closure

use

☐ No ☒ Yes

Use timed closure

☐ No ☒ Yes

used

with week time switch

Period 1

☒ No ☐ Yes

Period 2

☒ No ☐ Yes

Period 3

☐ No ☐ Yes

Period 4

☒ No ☐ Yes

☐ No ☐ Yes

Period 5

☒ No ☐ Yes

Period 6

☒ No ☐ Yes

Period 7

☒ No ☐ Yes

Period 8

☒ No ☐ Yes

Period 9

☒ No ☐ Yes

Period 10

☒ No ☐ Yes

Period 11

☒ No ☐ Yes

Period 12

☒ No ☐ Yes

Period 13

☒ No ☐ Yes

Period 14

☒ No ☐ Yes

Period 15

☒ No ☐ Yes

Period 16

☒ No ☐ Yes

Period 17

☒ No ☐ Yes

Period 18

☒ No ☐ Yes

Period 19 ☒ No ☐ Yes

Period 20 ☒ No ☐ Yes

Period 21 ☒ No ☐ Yes

Period 22 ☒ No ☐ Yes

Period 23 ☒ No ☐ Yes

Period 24 ☒ No ☐ Yes

with calendar time switch

Period 1 Sequence 1 ☒ No ☐ Yes

Period 1 Sequence 2 ☒ No ☐ Yes

Period 2 Sequence 1 ☒ No ☐ Yes

Period 2 Sequence 2 ☒ No ☐ Yes

Period 3 Sequence 1 ☐ No ☐ Yes

Period 3 Sequence 2 ☐ No ☐ Yes

Period 4 Sequence 1 ☐ No ☐ Yes

Period 4 Sequence 2 ☐ No ☐ Yes

Activated
Activated

Analysis of time release object ☐ 1 = activated | 0 = deactivated
☐ 0 = activated | 1 = deactivated

value before 1st communication ☐ 0 ☐ 1

Use night-time closure ☐ No ☒ Yes

Brightness, at or above which night is detected, adjustable in the "Façades" menu.

Analysis of night closure release object ☒ 1 = activated | 0 = deactivated
☐ 0 = activated | 1 = deactivated

value before 1st communication ☐ 0 ☒ 1

Night and period closure ☒ Yes ☐ No ☐ Only once

g night/ Positions during time closure

Movement

position (in %) 100

on (in %) 100

Slat position

4.25.2(2) Time and night closure

Heat protection

use ☐ No ☒ Yes

Heat protection parameters are set in the "Façades" menu

Analysis of the heat protection release object ☒ 1 = activated | 0 = deactivated
☐ 0 = activated | 1 = deactivated

Value up to 1st communication ☐ 0 ☒ 1

Movement position for heat protection

Movement position (in %) 100

Slat position (in %) 90

4.25.2(3) Heat protection

Pyranometer

use changeable per object

Façade pyranometer 1 ☒ No ☐ Yes

Façade pyranometer 2 ☒ No ☐ Yes

Façade pyranometer 3 ☒ No ☐ Yes

 Façade pyranometer 4 ☐ No ☐ Yes

Threshold value (in W/m²) until 1st communication 500

Minimum adjustable end time (in hours) 100

Maximum variable threshold value (in W/m²) 2500

Step size  threshold value (in W/m²) 50

Switching distance (hysteresis) ☐ in percent (%) ☐ in watts/m²

Threshold value hysteresis (in W/m²) 400

Movement position for pyranometer

Movement position (in %) 100

Slat position (in %) 90

Retraction delay in  5

Analysis of the pyranometer release object ☐ 1 = activated | 0 = deactivated
☐ 0 = activated | 1 = deactivated

Value up to 1st communication ☐ 0 ☒ 1

4.25.2(4) Pyranometer

Rain automation

If rain has been configured as
rain automation,

then it has this priority

4.25.2(5) Rain automation

Indoor temperature blocking

use are activated via this object

Assessment of the indoor temperature blocking object...

☒ 1 = Lock | 0 = Release

☐ 0 = Lock | 1 = Release

Action until 1st communication disable enable

Assessment of the indoor temperature blocking release object 1 = activated | 0 = deactivated
0 = activated | 1 = deactivated

Value up to 1st communication 0 1

4.25.2(6) Indoor temperature blocking

Sun protection automation

use

☐ No ☒ YesAnalysis of the
automatic sun release object☒ 1 = activated | 0 = deactivated
☐ 0 = activated | 1 = deactivated

Value up to 1st communication

☐ 0 ☒ 1Definition of ranges for
direction and height of the sun per ☐ Parameter ☒ Communication objectDirection of the sun valid
until 1st communication

All sides

from (in °)

0

to (in °)

360

Height of the sun valid
until 1st communication☒ Any height ☐ Angle range

from (in °)

-90

to (in °)

90

Step size in °

2

Brightness sensor selection

☒ Internal sensors (maximum value)
☐ via communication objectPreset threshold value for
brightness per☐ Parameter ☒ Communication object(Caution!! Object for
threshold value uses LUX)

Threshold value

valid until 1st communication

60

Minimum adjustable
threshold value (in kLux)

20

Maximum adjustable
threshold value (in kLux)

80

Step size (in kLux)

5

Switching distance (hysteresis)
threshold value in☒ in percent (%) ☐ in kLuxSwitching distance (hysteresis) (in
kLux)

15

Travel delays

Retraction and extension
delay is stipulated by

☐ Parameter ☒ Object

Extension delay
(in minutes)

1

valid until

1st communication

0.1

1

ension

40

1

10

Minimum adjustable extensi
delay (in minutes)

Maximum adjustable ext
delay (in minutes)

Step size (in minutes)

Brief delay
(in seconds)

valid until

1st communication

Outdoor temperature block

use

changeable per object

Deactivate blocking at

Threshold value (in 0.1°C)
valid until 1st communication

50



Use movement position ☐ No ☒ Yes

Movement position (in %)

Use slat position ☐ No ☐ Yes

Slat position (in %)

Automatic sun protection ends if

When sun is not in position

Move to position, if no automation with higher priority is executed

Movement position (in %)

Slat position (in %)

4.25.2(7) Sun protection automation

Façade status output

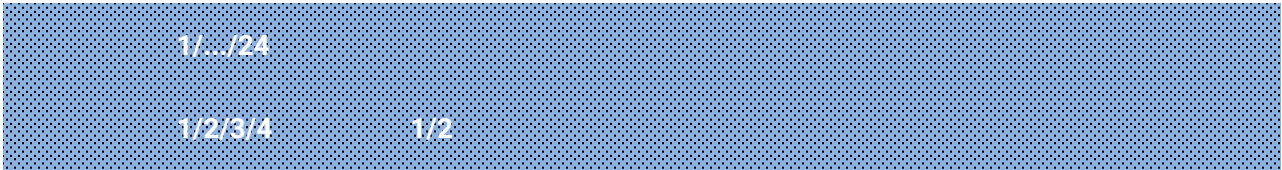
of the façade ☒ 1 = activated | 0 = deactivated

status = ☐ 0 = activated | 1 = deactivated

Value up to 1st comm ☐ 0 ☐ 1

4.25.2(8) Facade status output

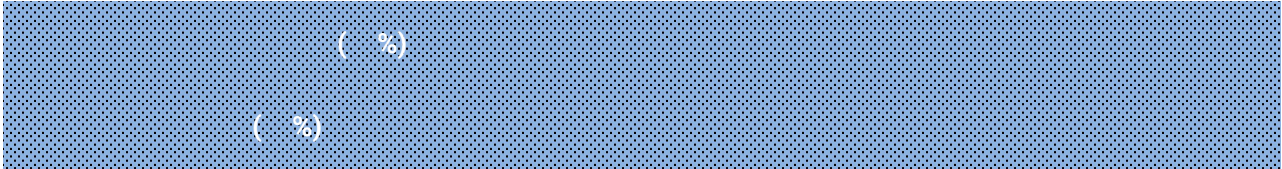
:



week timer month timer

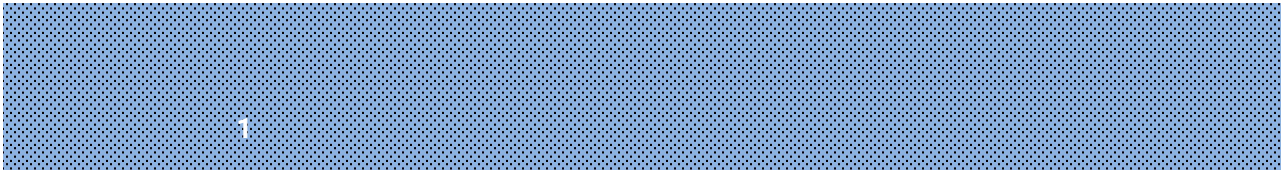
4.27 Weekly timer 4.28 Calendar timer

:



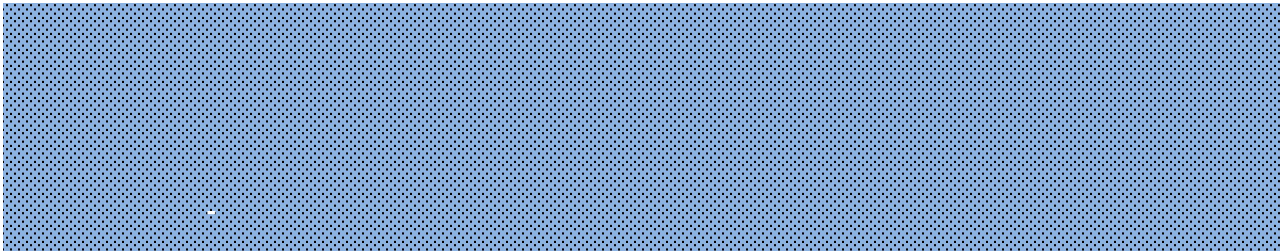
: 0...100

: 0...100

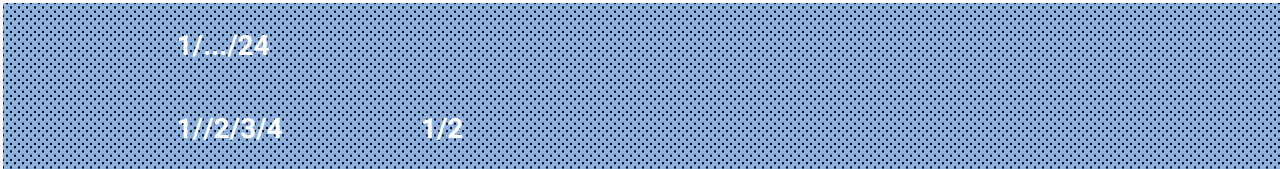


:1 0 /0 1

: 0/1



:



“week timer” “month timer”

4.27 Weekly timer 4.28 Calendar timer

:



1

"use time closure"

"yes"

: 1

0

/0

1

: 0/1

1

"use night-time closure"

"yes"

: 1

0

/0

1

: 0/1

%

%

/

: /

: 0...100

: 0...100

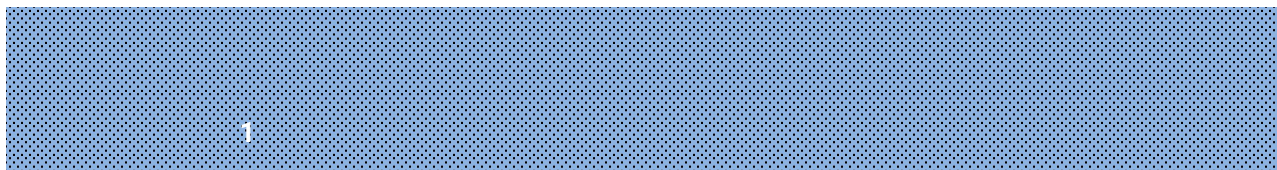
:

4.25 "Facades" Heat protection

48

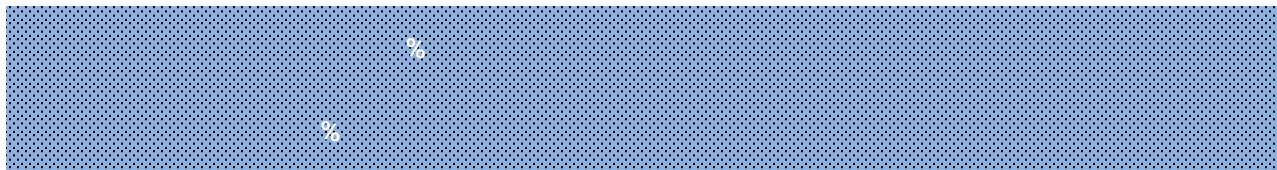


:



: 1 0 /0 1

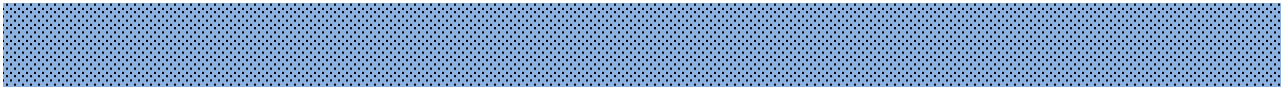
: 0/1



: 0...100

:

48



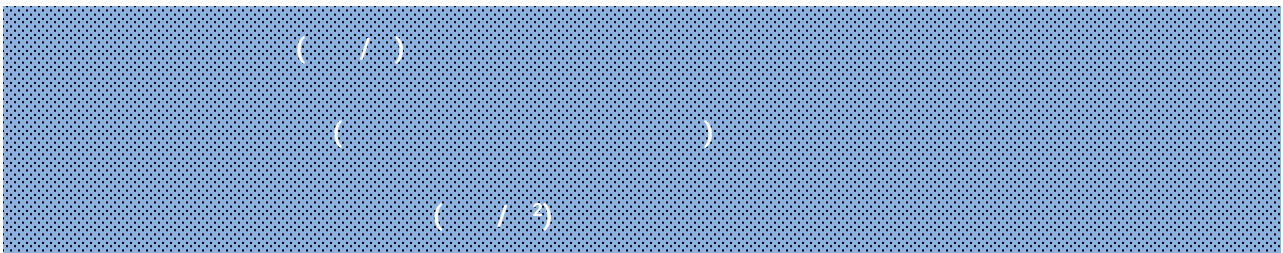
Changeable per object

:



1/2/3/4

:



(/)

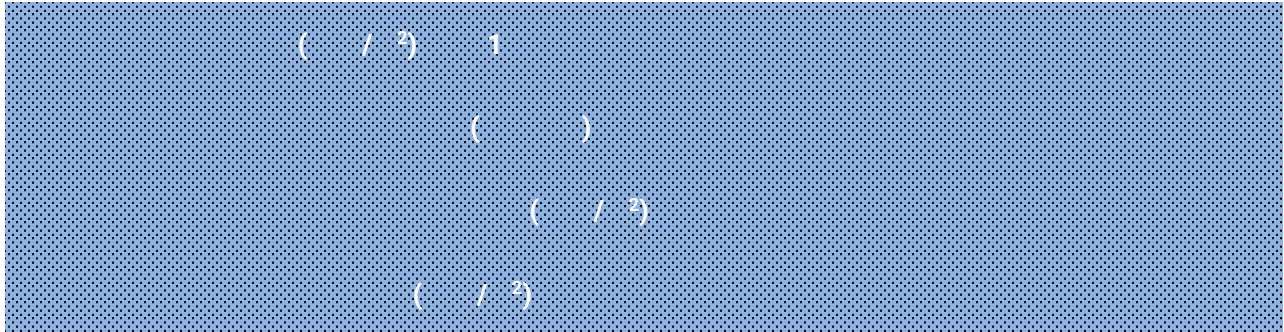
()

(/ ?)

: 0...2500

: (%) / ²

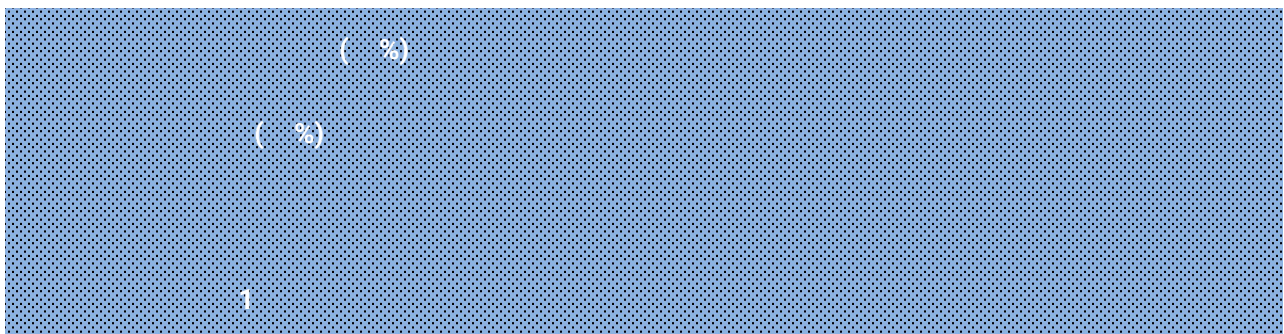
: 0...2500/0...100



: 0...2500

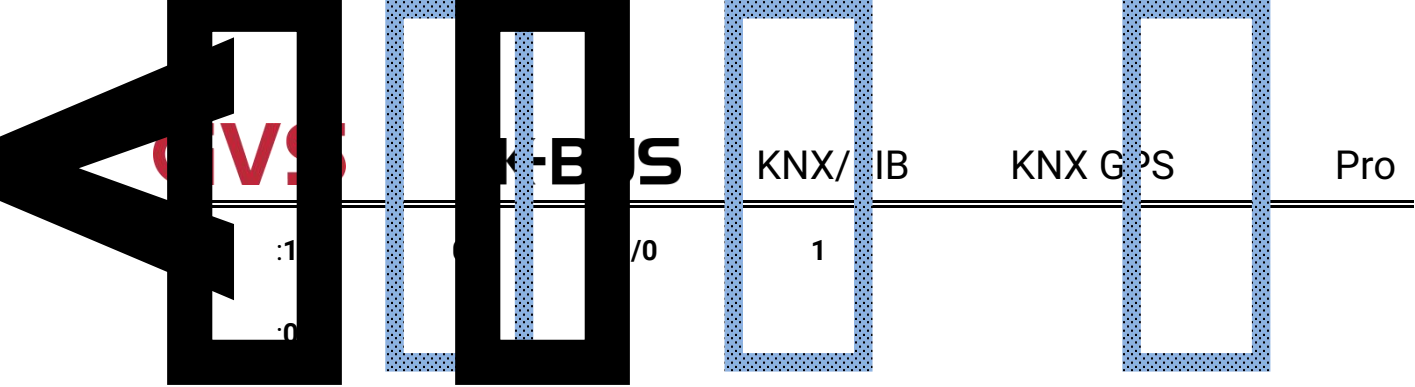
: 0...2500

: 0...200



: 0...100

: 0...100



4.25 Facade Rain automation

4.25.2 Facade X safety Rain

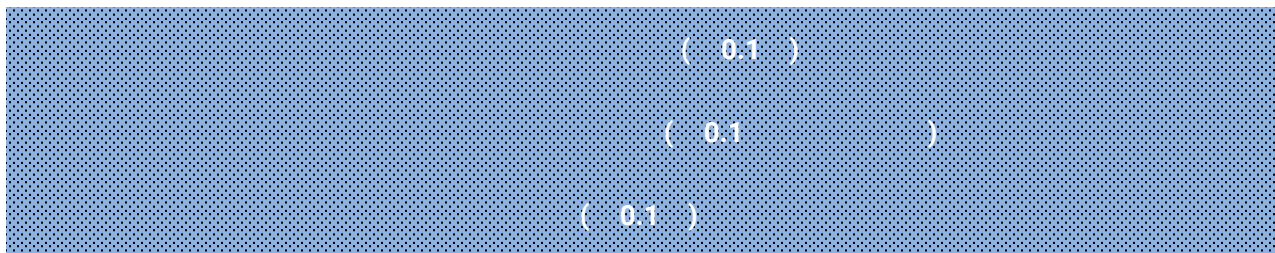
FREX H



changeable per object 

:

: -200...300

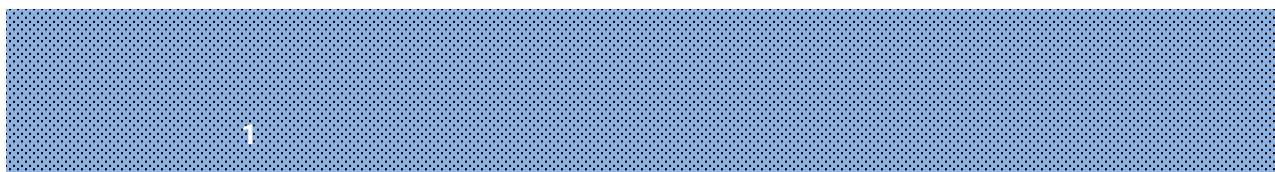


use Changeable per object

: -32768...32767

: -32768...32767

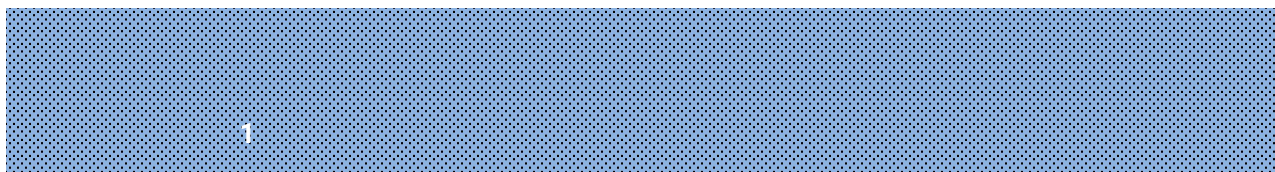
: 1...20



use Are activated via the bit object

:1 0 /0 1

: /



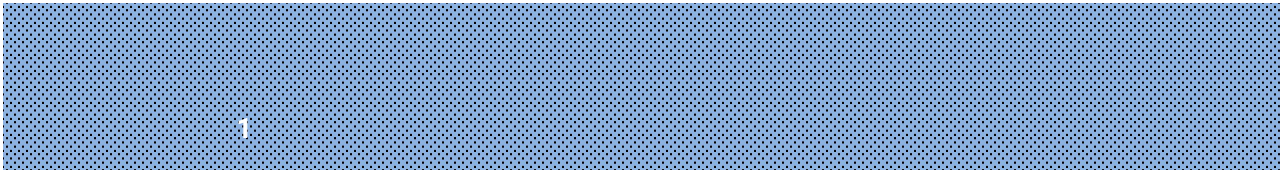
use yes Changeable per object

:1 0 /0 1

:0/1



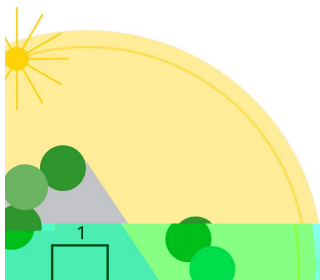
:



:1 0 /0 1

:0/1

(1): ()



1

(2): ()

1

:

()

()

()

()

-

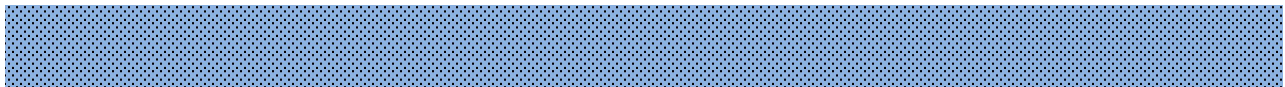
: /

: -90...90

: -90...90

: 1...10

: 1⁻

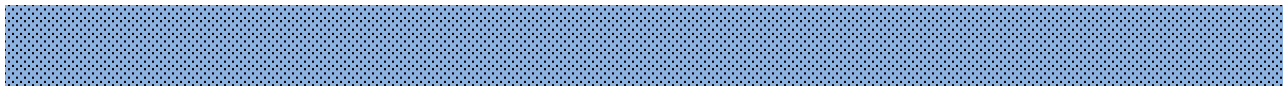


5

5

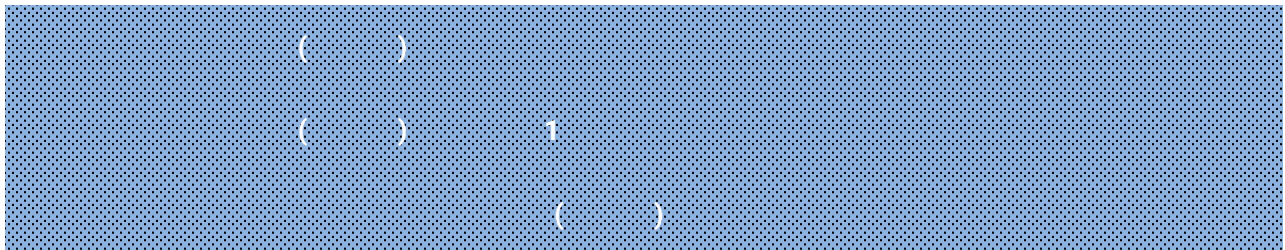
:

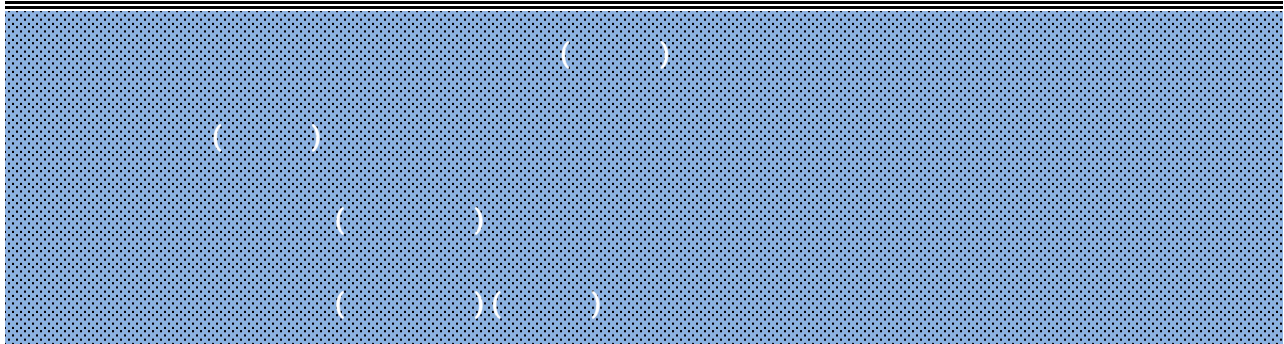
()



Lux

:





: 1...150

,Q : 1...150

,Q : 1...150

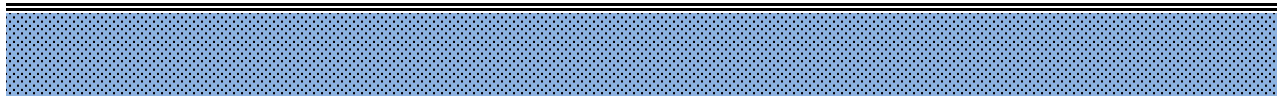
: 1...150

: 1...5

: (%) /

10.121 : 1...150
S-200

8 22 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000



: 1...240

: 1...240

: 1...10

: 1...3600

: 1...3600

: 1...3600

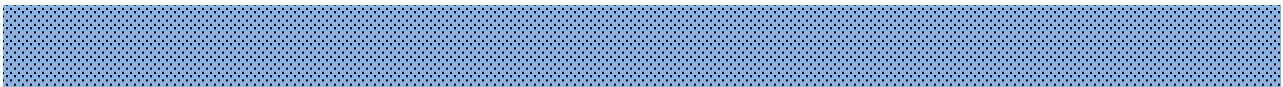
: 1...240

: 1...240

: 1...240

: 1...240

: 1...10



:

(0.1)

() (0.1)

use

yes

: -200...300

(0.1)

1

(0.1)

(0.1)

(0.1)

use

changeable per object

: -200...300

: -200...300

: -200...300

: 1...20

-

1

: 1

0

/0

1

: 0/1



Solar protection

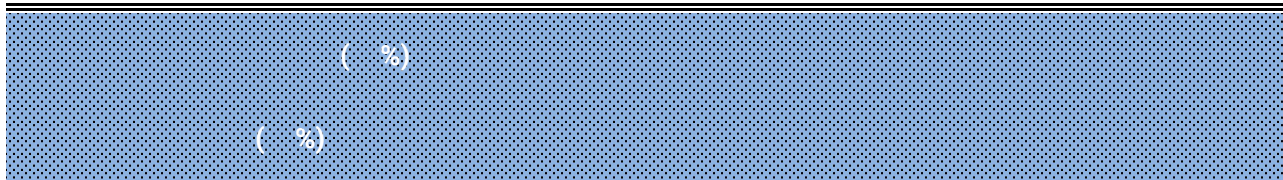
4.25.1 Facade safety



:

4

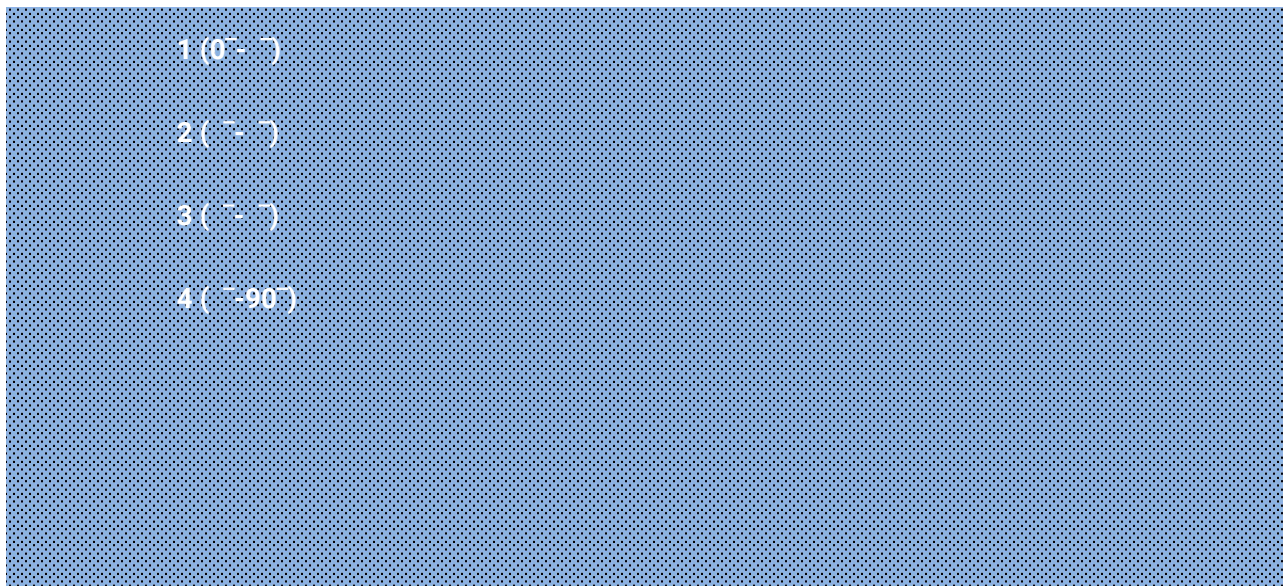
4



Solar protection position

Without tracking

: 0...100

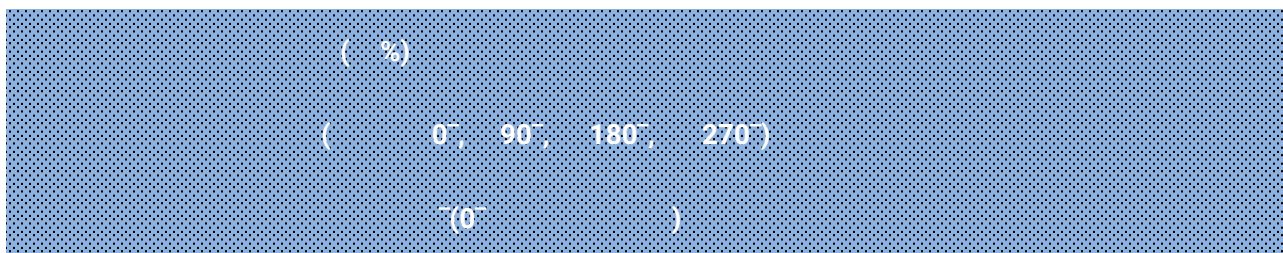


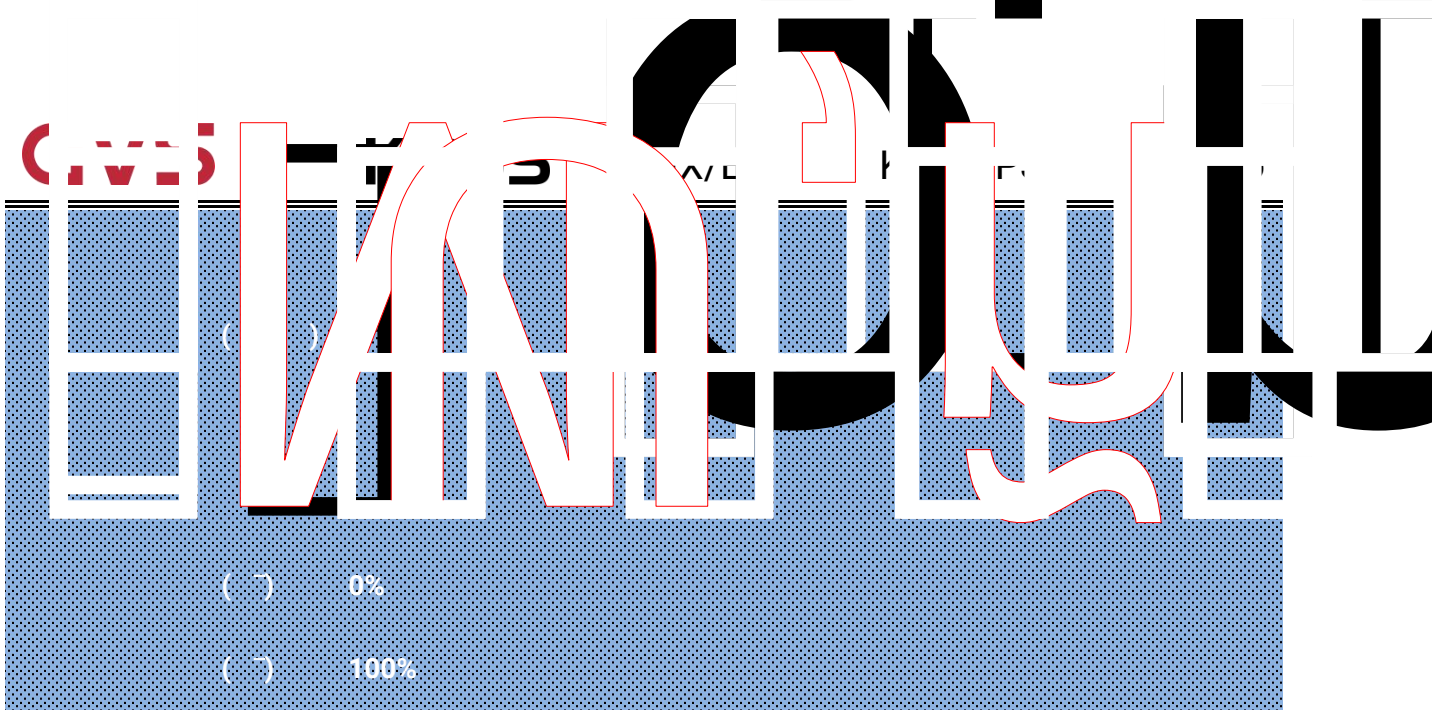
Solar protection position

Slats in 4 stages

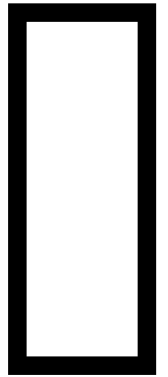
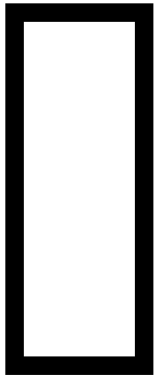
: 0...100

: 0...90

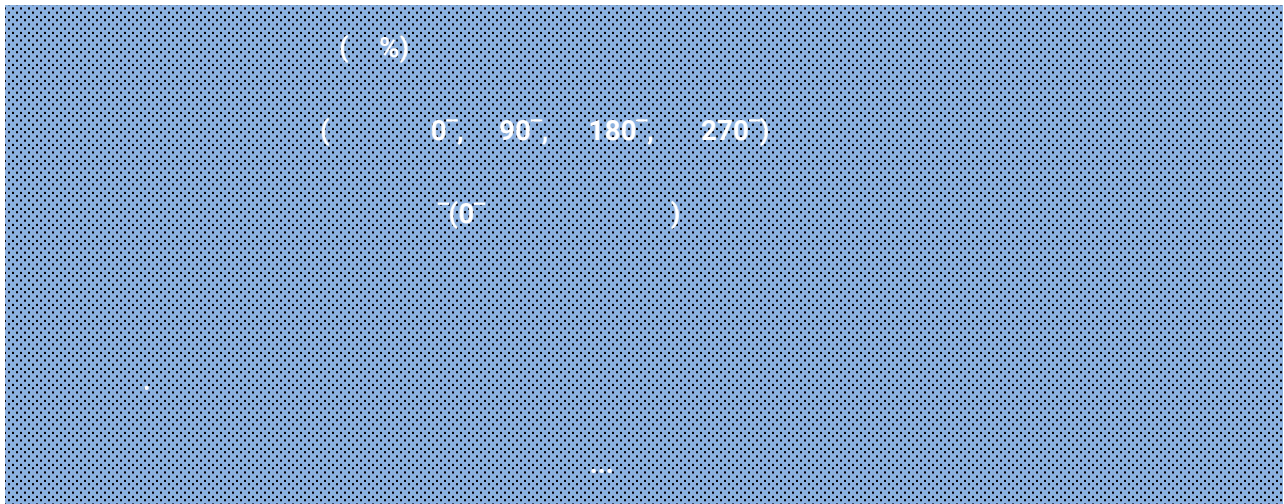




0% 100% 0% 100% 0% 100% 0% 100%



: 1...180



4.25.1.3

: 1...100

: 0...360

: -90...90

: 0...1000

: 10...250

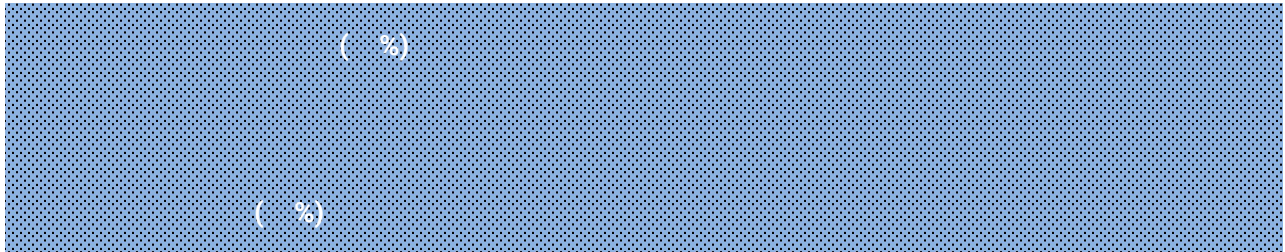
: 1...50

:

10°

80°

4.25.2



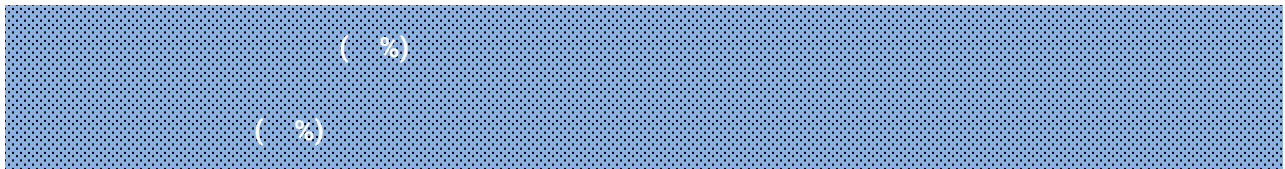
4.25.1

: /

: 0...100

: /

: 0...100



1.

2.

3.

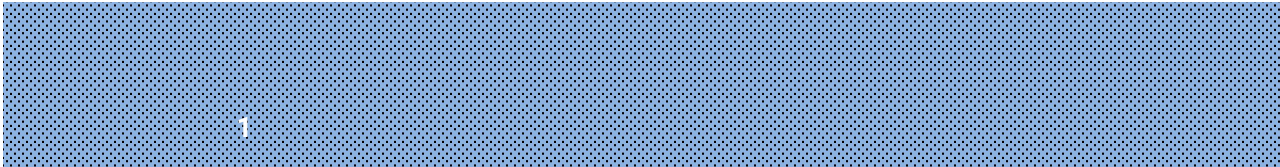
+

4.25.1

: 0...100

4.25.1.8

4.25.1.8



: 1 0 /0 1

: 0/1

4.26

Use computer 1	☐ No ☒ Yes
Use computer 2	☒ No ☐ Yes
Use computer 3	☒ No ☐ Yes
Use computer 4	☒ No ☐ Yes
Use computer 5	☒ No ☐ Yes
Use computer 6	☒ No ☐ Yes
Use computer 7	☒ No ☐ Yes
Use computer 8	☒ No ☐ Yes

4.26

"Computer"

1/.../8

4.26.1

1/.../8

Maintain the
input values received
via communication objects

not ▼

Function (I = Input)

Condition: I1 = I2 ▼

Input type

1 bit ▼

Start value I1

0 ▲▼

Start value I2

0 ▲▼

Output type

1 bit ▼

Output value O1

if the condition is met

0 ▲▼

if the condition is not met

0 ▲▼

if the monitoring period
is exceeded

0 ▲▼

if blocked

0 ▲▼

Output value O2

if the condition is met

0 ▲▼

if the condition is not met

0 ▲▼

if the monitoring period
is exceeded

0 ▲▼

if blocked

0 ▲▼

Output sends	on change ▼
Type of change	on each change ▼
Text if the condition is met	
Text if the condition is not met	
Transmission delay on change to condition met	none ▼
Transmission delay on change	none ▼



4.26.1

"Computer 1/.../8"

:

()

1/2/3

1/2/3

: : 1 2/ : 1 2/.../ :

: 1 /1 (0..255)/.../4

: 0...100

: 0...100

: 1 /1 (0..255).../4 . /4

: 0...65535

: / /.../

: / /

: 5 /10 /.../1.5 /2

/ 14

/

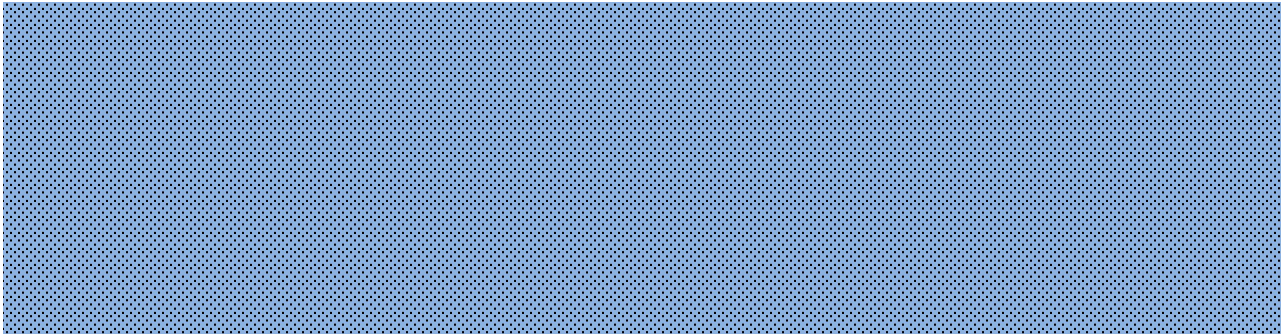
:

1

...

1

2



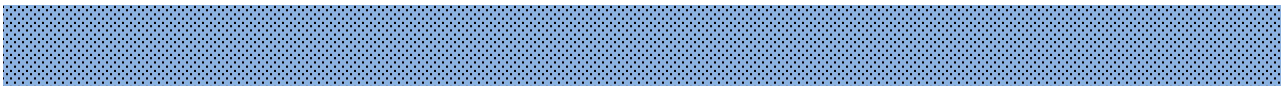
monitoring status

: /

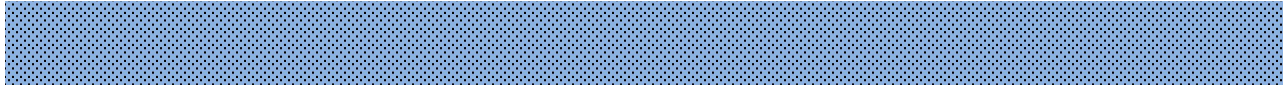
: 1/2/1 2

: 5 /10 /.../1 /2

: 0/1



:



1 0

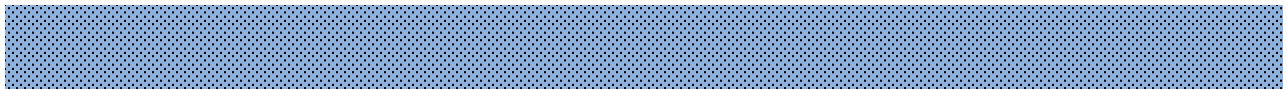
:

1:

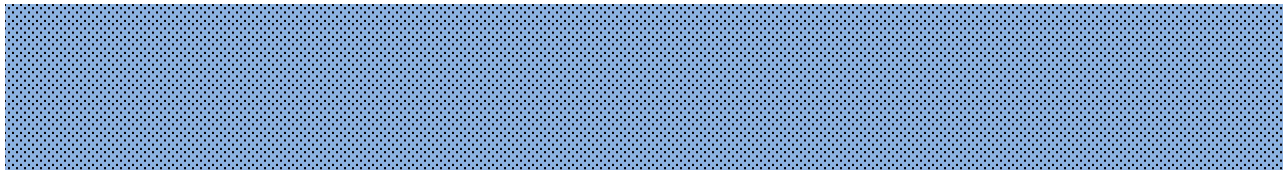
0:

0:

1:



: 0/1



/

:

/

:

/

4.27

24

Use period 1	☐ No ☒ Yes
Use period 2	☒ No ☐ Yes
Use period 3	☒ No ☐ Yes
Use period 4	☒ No ☐ Yes
Use period 5	☒ No ☐ Yes
Use period 6	☒ No ☐ Yes
Use period 7	☒ No ☐ Yes
Use period 8	☒ No ☐ Yes
Use period 9	☒ No ☐ Yes
Use period 10	☒ No ☐ Yes
Use period 11	☒ No ☐ Yes
Use period 12	☒ No ☐ Yes

4.27

"Weekly time switch"

1/.../24

: /

4.27.1

1/.../24

Period ☒ can be set (time period object is output)
☐ can be switched (time period object is input)

Use objects for switching times ☐ No ☒ Yes

Maintain the switching times received via communication objects

not ▼

Switch on time (hours)

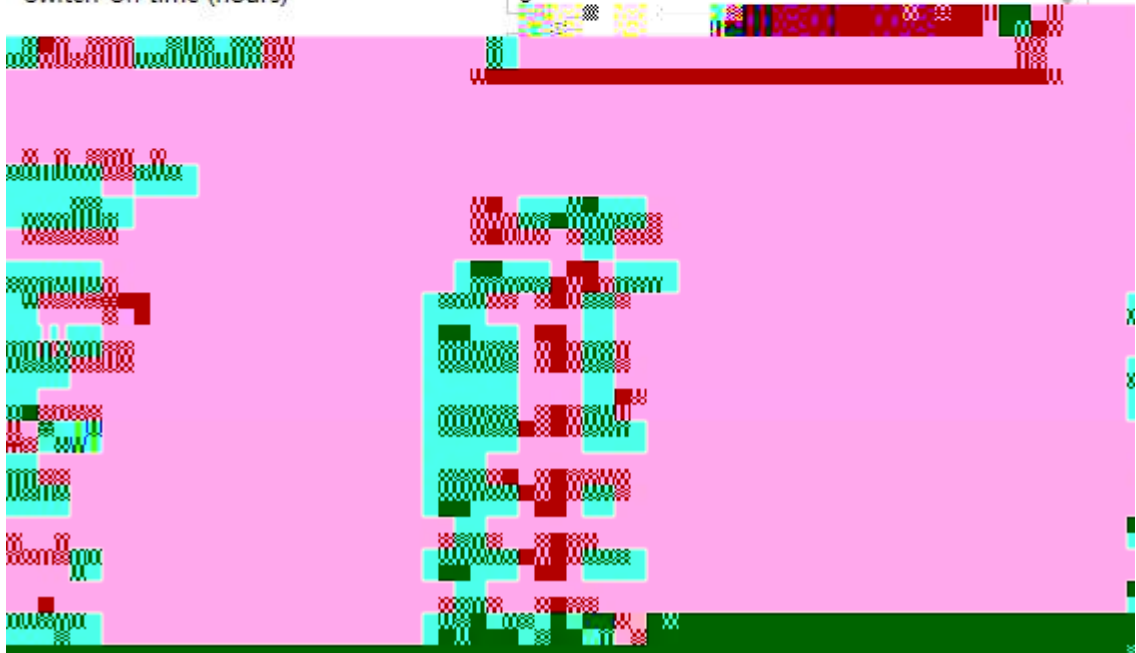
0 ▲▼

Switch on time (minutes)

0 ▲▼

Switch-off time (hours)

0 ▲▼



4.12.1(1)

"Period 1/... can be set(time period object is output)"

Period

☐ can be set (time period object is output)

☒ can be switched (time period object is input)

... an external time switch, e.g. for the façade, is to be used)

object value = 1 ☒ on object value = 0

☒ 1

Period is active ☐

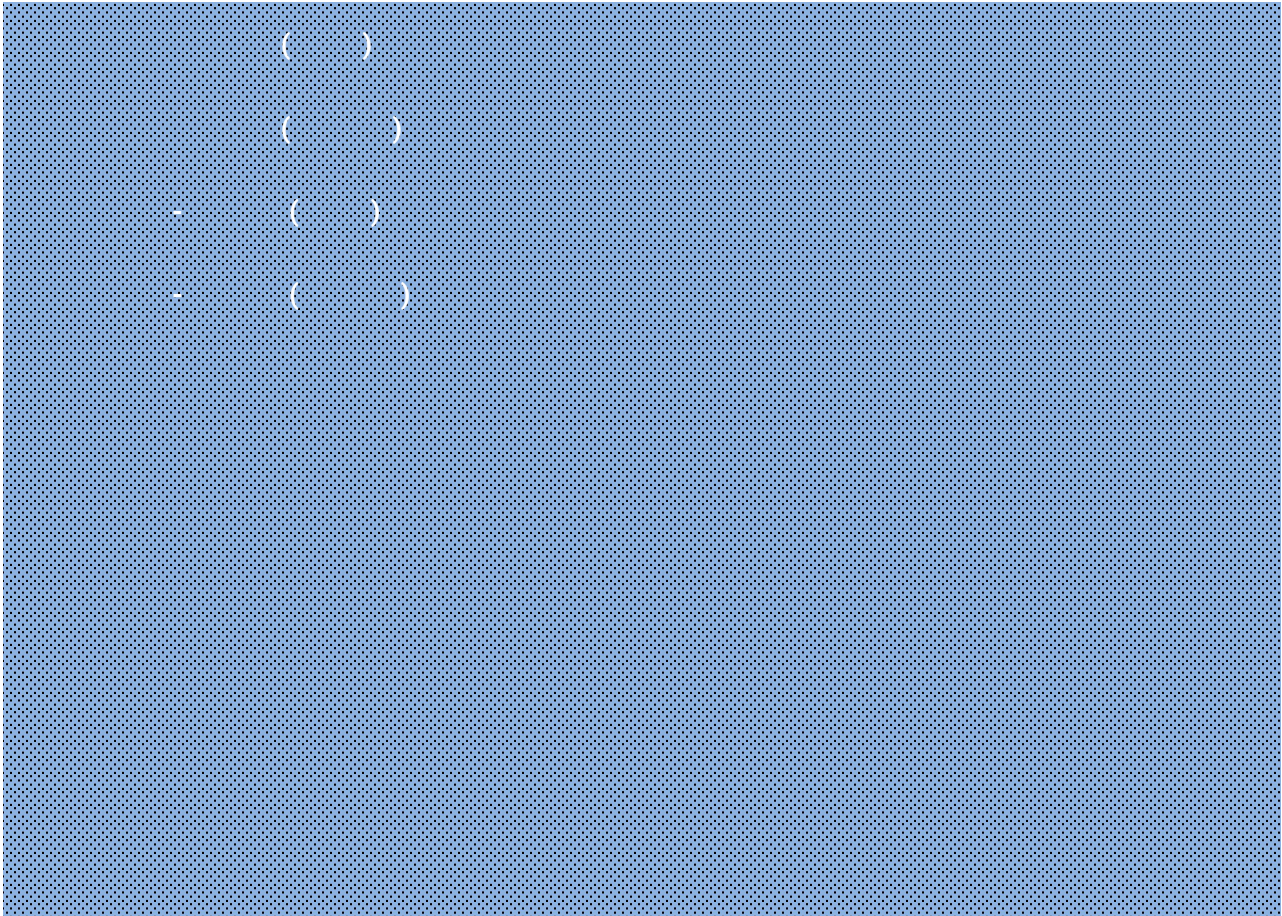
Object value prior to initial communication ☐

4.12.1(2) □ □ □

□

: /

: / /



15:35

15:35

15:36

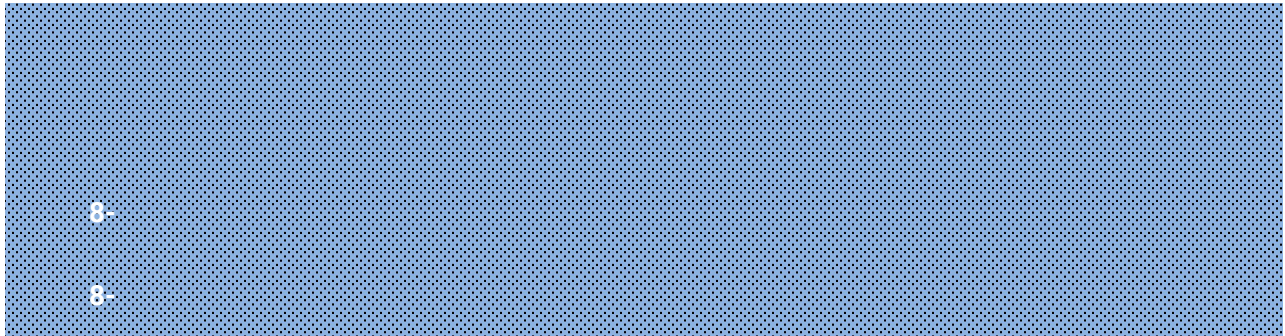
: 0...23

: 0...59

: 0...23

: 0...59

: /



8

: / /.../

: 5 /10 /.../1.5 /2

: 0...255

: 0...255

4.28

Period 1	☒ not active	☐ active
Period 2	☒ not active	☐ active
Period 3	☒ not active	☐ active
Period 4	☒ not active	☐ active

4.28

"Calendar time switch"

1/2/3/4

:

4.28.1

1/2/3/4

Use objects for switching and switching times ☐ No ☒ Yes

Maintain the switching data and times received via communication objects. not

from:

Month January

Day 1

up to and including:

Month December

Day 1

Sequence 1:

Switch on time (hours) 0

Switch on time (minutes) 0

Switch off time (hours) 0

Switch off time (minutes) 0

Switching outputs on change to inactive and periodically

Cycle 10 sec

Output value if active 0

Output value if inactive 0

Switch-on

Switch-off

Send switch

Send

8-bit output sequence

8-bit output sequence

Sequence 2:

Switch on time (hours)

0

Switch on time (minutes)

0

Switch-off time (hours)

0

Switch-off time (minutes)

0

Send switching outputs

on change to inactive and periodically

Send cycle

10 sec

8-bit output value if
sequence active

0

8-bit output value if
sequence inactive

0

4.11.1

"Period 1/2/3/4"

: /

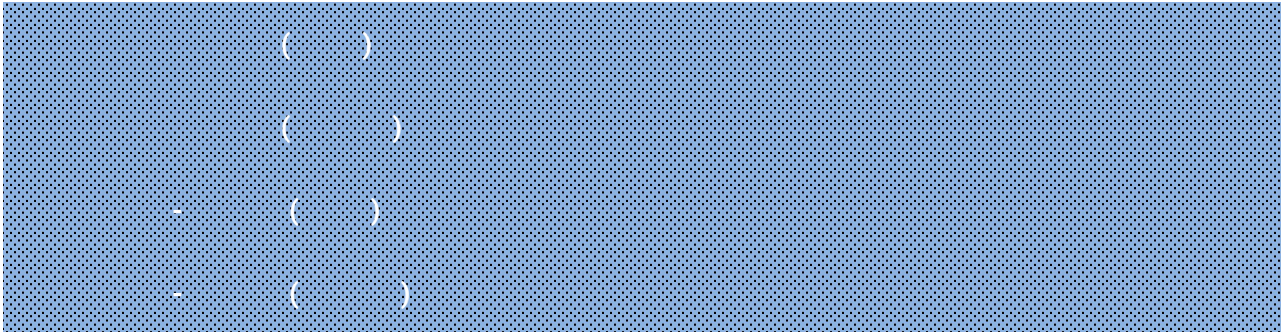
: / /

/ : /

: / /.../ /

: 1...31

1/2

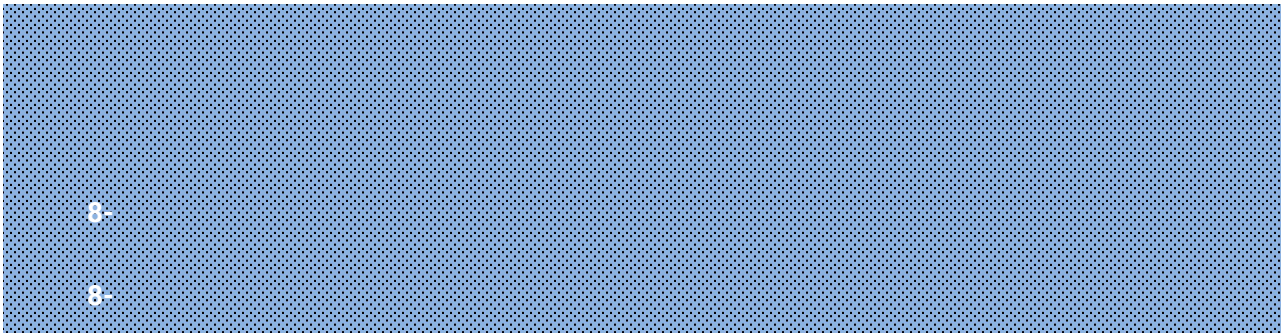


: 0...23

: 0...59

: 0...23

: 0...59



8

: / / .../

: 5 /10 /.../1.5 /2

: 0...255

4.29

16

Use logic inputs ☐ No ☒ Yes

Object value before 1. communication
for:

- Logic input 1 ☐ 0 ☒ 1

- Logic input 2 ☒ 0 ☐ 1

- Logic input 3 ☒ 0 ☐ 1

- Logic input 4 ☒ 0 ☐ 1

- Logic input 5 ☒ 0 ☐ 1

- Logic input 6 ☒ 0 ☐ 1

- Logic input 7 ☒ 0 ☐ 1

- Logic input 8 ☒ 0 ☐ 1

- Logic input 9 ☒ 0 ☐ 1

- Logic input 10 ☒ 0 ☐ 1

- Logic input 11 ☒ 0 ☐ 1

- Logic input 12 ☒ 0 ☐ 1

- Logic input 13 ☒ 0 ☐ 1

Logic input 14 ☒ 0 ☐ 1

Logic input 15 ☒ 0 ☐ 1

Logic input 16 ☒ 0 ☐ 1

AND logic:

AND logic 1

☐ not active ☒ active

AND logic 2

☒ not active ☐ active

AND logic 3

☒ not active ☐ active

AND logic 4

☒ not active ☐ active

AND logic 5

☒ not active ☐ active

AND logic 6

☒ not active ☐ active

AND logic 7

☒ not active ☐ active

AND logic 8

☒ not active ☐ active

OR logic:

OR logic 1

☐ not active ☒ active

OR logic 2

☒ not active ☐ active

OR logic 3

☒ not active ☐ active

OR logic 4

☒ not active ☐ active

OR logic 5

☒ not active ☐ active

OR logic 6

☒ not active ☐ active

OR logic 7

☒ not active ☐ active

OR logic 8

☒ not active ☐ active

4.29

"Logic"



:

1.

1

- 1/.../16

Yes

16

8

8

:

0

1

/

/

1/.../6
1/.../6

/

:

4.29.1

/

1/.../8

1st input do not use

2nd input do not use

3rd input do not use

4th input do not use

Output type ☐ one 1 bit object ☒ two 8 bit objects

Object A output value 0

if monitoring time exceeded

Object B output value 0

if monitoring time exceeded

Transmission behaviour on change of logic + receipt of

Send cycle 10 sec

Block:

Use block ☐ No ☒ Yes

Evaluation of the blocking object ☒ 1 = block | 0 = Release
☐ 0 = block | 1 = Release

Blocking object value before 1. communication ☒ 0 ☐ 1

Output behaviour

On block ☒ do not send telegram
☐ Transmit blocking value

on release (with 2 seconds release delay) send value for current logic status

Monitoring:

Use input monitoring ☐ No ☒ Yes

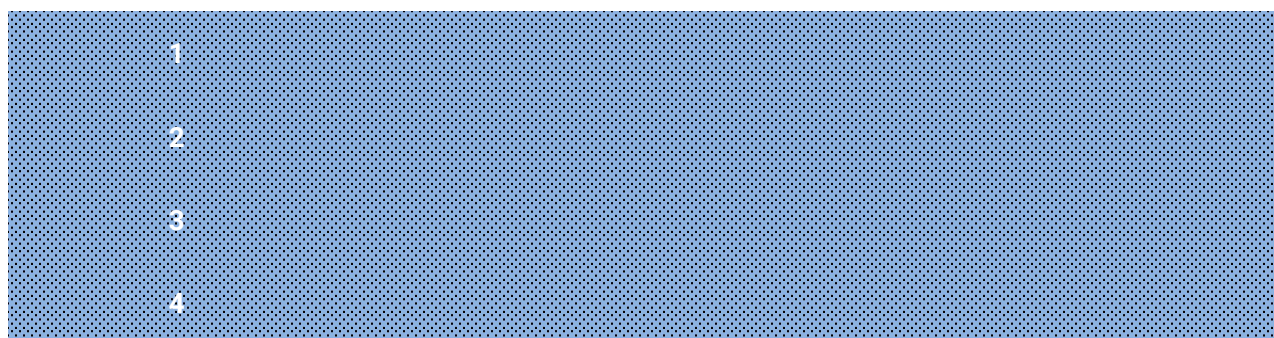
Input monitoring 1 + 2 + 3 + 4 ▼

Monitoring period 1 min ▼

Output behaviour on exceeding the monitoring time ☒ do not send telegram
☐ Transmit excess value

4.29.1

"AND logic 1/.../8"



:

1...16

1...16

...

1...4

1...4



1

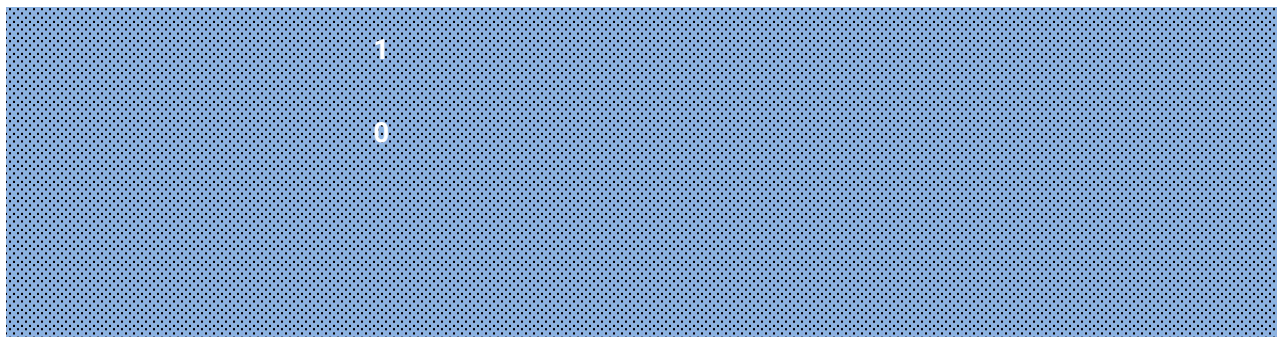
8

:

1

8

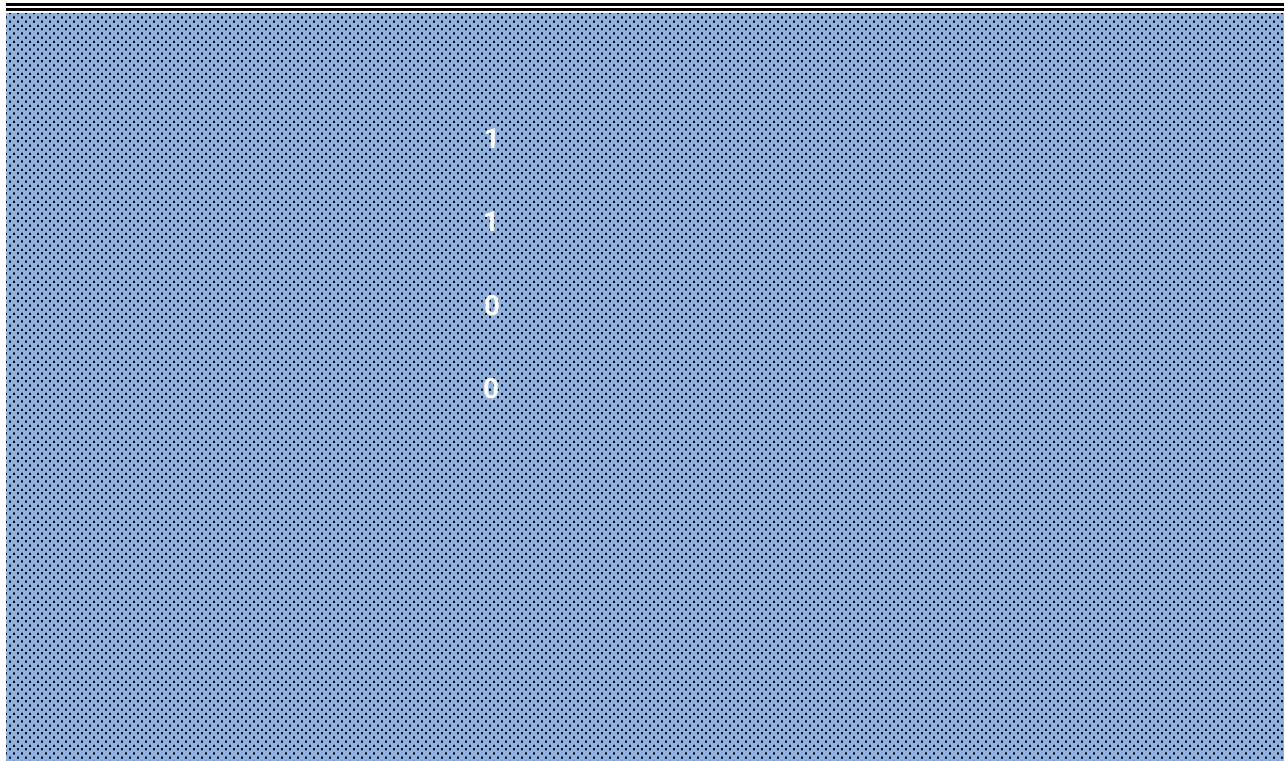
1



1 1

: 0...1

8



2 8

: (0...255)/ (0%...100%)/ (0°...360°)/ - (0...63) :

0...255/0%...100%/0°...360°/0...63



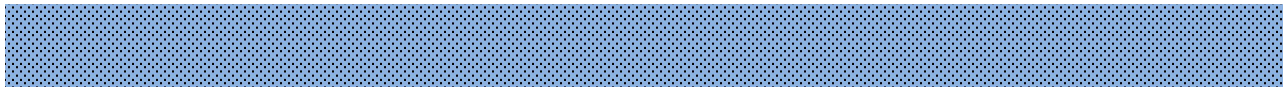
: /.../ + +

: 5 /10 /.../1.5 /2

:



:

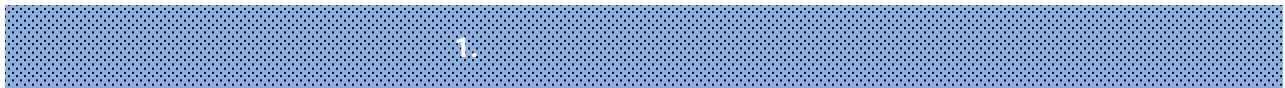


AND logic X: output block

1 0

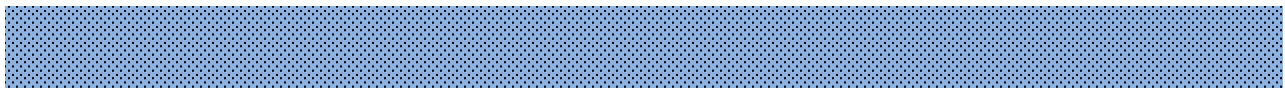
:

1	0	1	0:
0	1	0	1:



1.

: 0/1



:



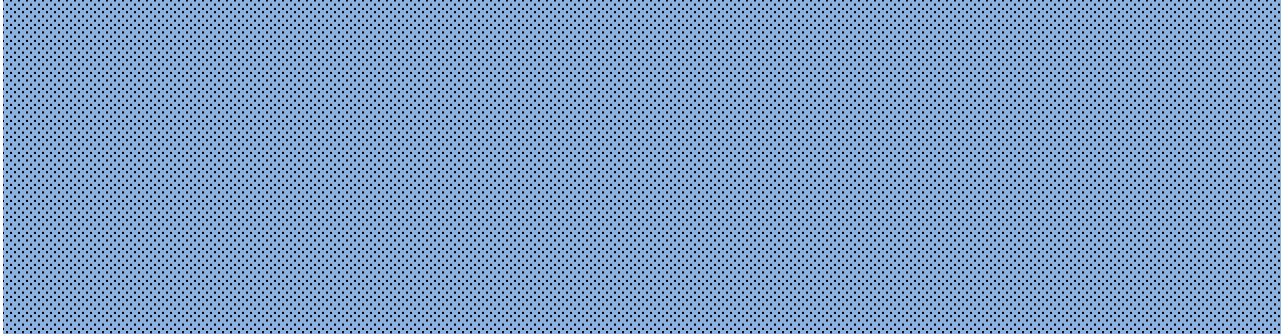
(2)

:

"

"

:



monitoring status

: /

:1/2/3/4/.../2+3+4/1+2+3+4

:5 /10 /.../1.5 /2

: /

5.1

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
		Software version	Output			2 bytes	C	R	-	T	-	DPT version	Low

5.1 "General settings"

					DPT
1				2	, , 1.001

5.1 "General settings"

5.2

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	104	GPS malfunction (0 : OK... Output				1 bit	C	R	*				
	105	Date / time	Input / Output			8 bytes	C	R					

5.2

"GPS settings"

						DPT
104	(0: 1:)		1	, ,		1.002
GPS 20min~2h GPS 1-- 0--						
105	/		8	, , ,		19.001
/ / 10						
106			3	, , ,		11.001
10						
107			3	, , ,		10.001

10					
108			1	,	1.017
1 KNX					

5.2

"GPS settings"

5.3

	序号	对象名称	对象功能	描述	群组地址	长度	C	R	W	T	U	数据类型	优先级
■↕	110	Location: Latitude [°]	Output			4 bytes	C	R	-	T	-	angle (degree)	低
■↕	111	Location: Longitude [°]	Output			4 bytes	C	R	-	T	-	angle (degree)	低

5.3 “Location”

					DPT
110	:	-	4	, ,	14.007 ()
GPS					
111	:	-	4	, ,	14.007 ()
GPS					

5.3 “Location”

5.4

Number	Name	Object	Export	Description	Group Address	Length	C	R	W	T	U	D	Time	Priority
114	Rain: Switching output	Output				1 bit	C	R	-	T	-		switch	Low
115	Rain: Switching output with fixed delays	Output				1 bit	C	R	-	T	-		switch	Low
116	Rain: Switching delay to rain	Input				2 bytes	C	-	W	-	-		time (s)	Low
117	Rain: Switching delay to no rain	Input				2 bytes	C	-	W	-	-		time (s)	Low

5.4

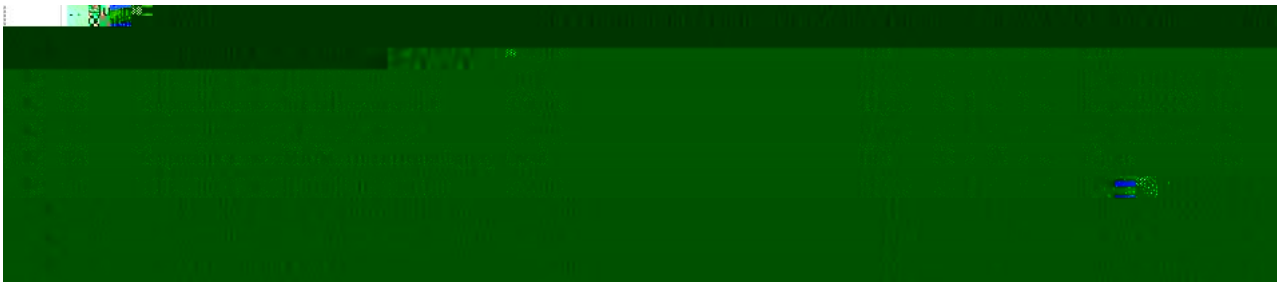
"Rain"

					DPT
114	:		1	, ,	1.001
Switching output sends on change and periodically 1-- 0--					
115	:		1	, ,	1.001
5 1-- 0--					
116	:		2	,	7.005 ()
s					
117	:		2	,	7.005 ()
s					

5.4

"Rain"

5.5



5.5 “Temperature”

					DPT
121	:		1	, ,	1.001
1-- 0--					
122	:		2	, ,	9.001 ()
123	:		2	, ,	9.001 ()
124	:		2	, ,	9.001 ()

External measured value proportion of the total measure value						0%
125	:	./		1	,	1.017
/ 1 KNX						
126	:			2	,	9.001 ()
127	:			2	,	9.001 ()
128	:	./		1	,	1.017
/						
129	.	:		2	,	9.001 ()

5.5 "Temperature"

5.6

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
🔧	131	Temp. threshold value 1: Absolute value	Input / Output			2 bytes	C	R	W	T	-	temperature (°C)	Low
🔧	133	Temp. threshold value 1: Switching delay from 0 to 1	Input			2 bytes	C	-	W	-	-	time (s)	Low
🔧	134	Temp. threshold value 1: Switching delay from 1 to 0	Input			2 bytes	C	-	W	-	-	time (s)	Low
🔧	135	Temp. threshold value 1: Switching output	Output			1 bit	C	R	-	T	-	switch	Low
🔧	136	Temp. threshold value 1: Switching output block	Input			1 bit	C	-	W	-	-	switch	Low
🔧	132	Temp. threshold value 1: (1:+ 0:-)	Input			1 bit	C	-	W	-	-	step	Low

5.6 “Temperature threshold value”

					DPT
131	.	1:	/	2	, , , 9.001 ()
		1			1
		1			
132	.	1:		1	, 1.007
		(1:+ 0:-)			
		1			
		1--	1		
		0--	1		
133	.	1:		2	, 7.005 ()
		0 1			
			0 1	1	s
134	.	1:		2	, 7.005 ()
		1 0			
			1 0	1	s

135	.	1:		1	, ,	1.001
1 Output is at(TV=threshold value)(SD=Switching distance)						
136	.	1:		1	,	1.001
/ 1-- 0--						

5.6

"Temperature threshold value"

5.7



5.7 "Frost alarm"

					DPT
161			1	, ,	1.001
Object value with frost					

5.7 "Frost alarm"

5.8

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
391	Humidity sensor: malfunction	Output			1 bit	C	R	-	T	-	switch	Low
394	Humidity sensor: external measured value	Input			2 bytes	C	-	W	T	-	humidity (%)	Low
395	Humidity sensor: internal measured value	Output			2 bytes	C	R	-	T	-	humidity (%)	Low
396	Humidity sensor: total measured value	Input			2 bytes	C	-	W	T	-	humidity (%)	Low

5.8 "Humidity measured value"

					DPT
391	:		1	, ,	1.001
1-- 0--					
394	:		2	, ,	9.007 (%)
395	:		2	, ,	9.007 (%)
396	:		2	, ,	9.007 (%)

GV

K-BUS

KNX/EIB

KNX-GPS

Pro

External measured value proportion of the total measured value

0%

5.9

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
411	Humidity threshold value 1: Absolute value	Input/Output			2 bytes	C	R	W	T	-	humidity (%)	Low
412	Humidity threshold value 1: (1+ 0:-)	Input			1 bit	C	-	W	-	-	step	Low
413	Humidity threshold value 1: Delay from 0 to 1	Input			2 bytes	C	-	W	-	-	time (s)	Low
414	Humidity threshold value 1: Delay from 1 to 0	Input			2 bytes	C	-	W	-	-	time (s)	Low
415	Humidity threshold value 1: Switching output	Output			1 bit	C	R	-	T	-	switch	Low
416	Humidity threshold value 1: Switching output block	Input			1 bit	C	-	W	-	-	switch	Low

5.9 "Humidity threshold value"

					DPT
411	1:	/	2	, , ,	9.007 (%)
	1				1
412	1: (1:+ 0:-)		1	,	1.007
	1				
	1--	1			
	0--	1			
413	1: 0 1		2	,	7.005 ()
		0 1		1	s
414	1: 1 0		2	,	7.005 ()

101s					
415	1:		1	, ,	1.001
1 Output is at(TV=threshold value)(SD=Switching distance)					
416	1:		1	,	1.001
/ 1-- 0--					

5.9 “Humidity threshold value”

5.10

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	461	Dew point: Measurement	Output			2 bytes	C	R	-	T	-	temperature (°C)	Low
	462	Cooling medium temp.: Threshold value	Output			2 bytes	C	R	-	T	-	temperature (°C)	Low
	463	Cooling medium temp.: Actual value	Input			2 bytes	C	R	W	T	-	temperature (°C)	Low
	464	Cooling medium temp.: Offset change (1+ 10:-)	Input			1 bit	C	R	-	T	-	switch	Low
		Cooling medium temp.: Offset current	Output			2 bytes	C	R	-	T	-	temperature (°C)	Low
		Cooling medium temp.: Switching delay from 0 to 1	Input			2 bytes	C	-	W	-	-	time (s)	Low
		Cooling medium temp.: Switching delay from 1 to 0	Input			2 bytes	C	-	W	-	-	time (s)	Low
		Cooling medium temp.: Switching output	Output			1 bit	C	R	-	T	-	switch	Low
	469	Cooling medium temp.: Switching output block	Input			1 bit	C	-	W	-	-	switch	Low

5.10

“Dew point measured value”

					DPT
461	:		2	, ,	9.001 ()
462	::		2	, ,	9.001 ()
463	::		2	, , ,	9.001 ()
464	:: (1+ 0:-)		1	,	1.007

1-- 0--					
465	∴		2	, ,	9.001 ()
466	∴		2	,	7.005 ()
	0 1				
1 0 s					
467	∴		2	,	7.005 ()
	1 0				
1 0 s					
468	∴		1	, ,	1.001
Output is at(TV=threshold value)(SD=Switching distance)					
469	∴			, 1	1.001
/ 1-- 0--					

5.10

"Dew point measured value"

5.11

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
■	471	Absolute humidity [g/kg]	Output			4 bytes	C	R	-	T	-	amplitude	Low
■	472	Absolute humidity [g/m³]	Output			2 bytes	C	R	-	T	-	2-byte float value	Low

5.11 "Absolute humidity"

					DPT
471	/		4	, ,	14.005
g/kg					
472	/ ²		4	, ,	9.*2-
g/m³					

5.11 "Absolute humidity"

5.12

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
✚	474	Ambient climate status: 1=comfortable 0=uncomfort.	Output			1 bit	C	R	-	T	-	switch	Low
✚	475	Ambient climate status: Text	Output			14 bytes	C	R	-	T	-	Character String (ASCII)	Low

5.12 "Comfort field"

					DPT
474	:1	0	1	, ,	1.001
1-- 0--					
475	:		14	, ,	16.000 ()

5.12 "Comfort field"

5.13

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	175	Brightness sensor measurement	Output			2 bytes	C	R	-	T	-	lux (Lux)	Low

5.13 “Brightness”

					DPT
175			, ,	2	9.004 ()

5.13 “Brightness”

5.14

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
➡	181	Brightness sensor TLV 1: Absolute value	Input / Output			2 bytes	C	R	W	T	-	lux (Lux)	Low
➡	182	Brightness sensor TLV 1: (1:+ 0:-)	Input			1 bit	C	-	W	-	-	step	Low
➡	183	Brightness sensor TLV 1: Delay from 0 to 1	Input			2 bytes	C	-	W	-	-	time (s)	Low
➡	184	Brightness sensor TLV 1: Delay from 1 to 0	Input			2 bytes	C	-	W	-	-	time (s)	Low
➡	185	Brightness sensor TLV 1: Switching output	Output			1 bit	C	R	-	T	-	switch	Low
➡	186	Brightness sensor TLV 1: Switching output block	Input			1 bit	C	-	W	-	-	switch	Low

5.14

"Brightness threshold values"

						DPT
181	.	1:	/	, , ,	2	9.004 ()
		1				1
		1				
182	.	1:		,	1	1.007
		(1:+ 0:-)				
		1				
		1--	1			
		0--	1			
183	.	1:		,	2	7.005 ()
		0 1				
			0 1		1	s
184	.	1:		,	2	7.005 ()
		1 0				

101s					
185	.	1:		, , 1	1.001
1					
Output is at(TV=threshold value)(SD=Switching distance)					
186	.	1:		, 1	1.001
/ 1-- 0--					

5.14 “Brightness threshold values”

5.15

,

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	293	Twilight brightness TLV 1: Absolute value	Input / Output			2 bytes	C	R	W	T	-	lux (Lux)	Low
	294	Twilight brightness threshold value 1: (1:+ 0:-)	Input			1 bit	C	-	W	-	-	step	Low
	295	Twilight brightness threshold 1: delay from 0 to 1	Input			2 bytes	C	-	W	-	-	time (s)	Low
	296	Twilight brightness threshold 1: delay from 1 to 0	Input			2 bytes	C	-	W	-	-	time (s)	Low

5.15

"Brightness, TV twilight sensor"

					DPT
293	1:	/	, , ,	2	9.004 ()
	1				1
294	1: (1:+ 0:-)		,	1	1.007
	1 1-- 0--	1 1 1			
295	1: 0 1		,	2	7.005 ()
		0 1		1	s
296	1: 1 0		,	2	7.005 ()
		1 0		1	s
297			, ,	1	1.001

	1:				
1					
Output is at(TV=threshold value)(SD=Switching distance)					
298	1:		,	1	1.001
/					
1--					
0--					

5.15 "Brightness, TV twilight sensor"

5.16

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
331	Night: Switching output	Output			1 bit	C	R	-	T	-	switch	Low
332	Night: Switching delay to night	Input			time (s)	-	-	-	-	-	Low	333
	Night: Switching delay on day	Input			time (s)	-	-	-	-	-	Low	

5.16

"Night"

					DPT
331	:		, ,	1	1.001
332	:		,	2	7.005 ()
s					
333	:		,	2	7.005 ()
s					

5.16

"Night"

5.17

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
341	Sun position: Direction of the sun	Input			4 bytes	C	-	W	I	-	angle (degree)	Low
342	Sun position: Height of the sun	Input			4 bytes	C	-	W	T	-	angle (degree)	Low

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
343	Sun position: Direction of the sun	Input			2 bytes	C	-	W	T	-	2-byte float value	Low
344	Sun position: Height of the sun	Input			2 bytes	C	-	W	T	-	2-byte float value	Low

5.17

"Sun position"

DPT

341 : , , 4 4.007 ()

4

342 : , , 4 14.007 ()

4

343 : , , 2 9.*2-

2

344 : , , 2 9.*2-

2

5.18

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
351	351	Wind sensor: Malfunction	Output			1 bit	C	R	-	T	-	switch	Low
352	352	Wind sensor: Measurement [m/s]	Output			2 bytes	C	R	-	T	-	speed (m/s)	Low
353	353	Wind sensor: Measurement [Beaufort]	Output			1 byte	C	R	-	T	-	wind force scale (0..12)	Low
354	354	Wind sensor: Max. query measurement	Input			1 bit	C	-	W	-	-	1-bit, trigger	Low
355	355	Wind sensor: Maximum measurement [m/s]	Output			2 bytes	C	R	-	T	-	speed (m/s)	Low
356	356	Wind sensor: Maximum measurement [Beaufort]	Output			1 byte	C	R	-	T	-	wind force scale (0..12)	Low
357	357	Wind sensor: Max. resolution	Output			1 byte	C	R	-	T	-	wind force scale (0..12)	Low

5.18 "Wind measurement"

					DPT
351	:		, ,	1	1.001
1- 0-					
352	:		, ,	2	9.005 (/)
/					
353	:		, ,	1	20.014 (0...12)
354	:	,	,	1	1.017
1 KNX					
355	:		, ,	2	9.005 (/)

	/				
m/s					
356	:		, ,	1	20.014 (0...12)
357	:		,	1	1.017
	.				

5.18

"Wind measure"

101s					
365	1:		, ,	1	1.001
1					
Output is at(TV=threshold value)(SD=Switching distance)					
366	1:		,	1	1.001
/ 1-- 0--					

5.19 “Wind threshold values”

5.20

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
1890	Wind direction: Measured value [cardinal position]	Output			14 bytes	-	-	-	-	-	Character String (ASCII)	Low
1891	Wind direction measured value [°]	Output			1 byte	-	-	-	-	-	angle (degrees)	Low
1892	Wind direction North	Output			1 bit	-	-	-	-	-	boolean	Low
1893	Wind direction North-East	Output			1 bit	-	-	-	-	-	boolean	Low
1894	Wind direction East	Output			1 bit	-	-	-	-	-	boolean	Low
1895	Wind direction South-East	Output			1 bit	-	-	-	-	-	boolean	Low
1896	Wind direction South	Output			1 bit	-	-	-	-	-	boolean	Low
1897	Wind direction South-West	Output			1 bit	-	-	-	-	-	boolean	Low
1898	Wind direction West	Output			1 bit	-	-	-	-	-	boolean	Low
1899	Wind direction North-West	Output			1 bit	-	-	-	-	-	boolean	Low

5.20

"Wind direction"

					DPT
1890	:		14	, ,	16.000 ()
1891	-		1	, ,	5.003 ()
1892			1	, ,	1.002
North(0°) if active, send:					
1893	-		1	, ,	1.002
North-East(45°) if active, send:					
1894			1	, ,	1.002
East(90°) if active, send:					
1895	-		1	, ,	1.002

South East(135°) if active, send:

1896		1	, ,	1.002
------	--	---	-----	-------

South(180°) if active, send:

1897	-	1	, ,	1.002
------	---	---	-----	-------

South-West(225°) if active, send:

1898		1	, ,	1.002
------	--	---	-----	-------

West(270°) if active, send:

1899	-	1	, ,	1.002
------	---	---	-----	-------

North-West(315°) if active, send:

☞ 輸入

5.21

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
1904	Wind direction: Range 1 Switching output	Output			1 bit	C	R	-	T	-	switch	Low
1905	Wind direction range value 1: Delay from 0 to 1	Input			2 bytes	C	-	W	-	-	time (s)	Low
1906	Wind direction range value 1: Delay from 1 to 0	Input			2 bytes	C	-	W	-	-	time (s)	Low
1907	Wind direction range value 1 from: (1:+ 0:-)	Input			1 bit	C	-	W	-	-	step	Low
1908	Wind direction range value 1 up to: (1:+ 0:-)	Input			1 bit	C	-	W	-	-	step	Low
1909	Wind direction range value 1 from: Absolute value	Input / Output			4 bytes	C	R	W	T	-	angle (degree)	Low
1910	Wind direction range value 1 up to: Absolute value	Input / Output			4 bytes	C	R	W	T	-	angle (degree)	Low
1911	Wind direction range value 1: Switching output block	Input			1 bit	C	-	W	-	-	switch	Low

5.21

"Wind direction ranges"

					DPT
1904	:	1		1	, , 1.001
1					
Output is at(TV=threshold value)(SD=Switching distance)					
1905	1:	0 1		2	, 7.005 ()
0 1 1 s					
1906	1:	1 0		2	, 7.005 ()
1 0 1 s					
1907/ 1908	1 : (1:+ 0:-)			1	, 1.007
1 : (1:+ 0:-)					
1					

1--1					
0--1					
1909/ 1910	1 :	/	4	, , ,	14.007 ()
	1 :				
11					
1					
1911	1:			,	1.001
/					
1--					
0--					

5.21 “Wind direction ranges”

5.22

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
481	Air pressure sensor: Malfunction	Output			1 bit	C	R	-	T	-	switch	Low
482	Air pressure sensor: Normal measurement [Pa]	Output			4 bytes	C	R	-	T	-	pressure	
487	Air pressure sensor: Max. normal measurement [Pa]	Output			4 bytes	C	R	-	T	-	pressure (Pa)	Low
488	Air pressure sensor: Min./Max. measurement reset	Input			1 bit	C	-	W	-	-	trigger	Low
490	Air pressure sensor: Pressure range text	Output			14 bytes	C	R	-	T	-	Character String (ASCII)	Low

5.22

"Pressure measured value"

					DPT
481	:		1	, ,	1001
1-- 0--					
482	:		4	, ,	14.058 ()
483	:		4	, ,	14.058 ()
484	:		1	,	1.017
/ 1 KNX /					

485	:	.	4	, ,	14.058 ()
Pa					
486	:	.	4	, ,	14.058 ()
Pa					
487	:	.	4	, ,	14.058 ()
Pa					
488	:	.	4	, ,	14.058 ()
Pa					
489	:	./ .	1	,	1.017
/					
490	:		14	, ,	16.000 ()

5.22

“Pressure measured value”

Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
Air pressure threshold value 1: Absolute value	Input / Output			4 bytes	C	R	W	T	-	pressure (Pa)	Low
Air pressure threshold value 1: (1:+ 0:-)	Input			1 bit	C	-	W	-	-	step	Low
Air pressure threshold value 1: Delay from 0 to 1	Input			2 bytes	C	-	W	-	-	time (s)	Low
Air pressure threshold value 1: Delay from 1 to 0	Input			2 bytes	C	-	W	-	-	time (s)	Low
Air pressure threshold value 1: Switching output	Output			1 bit	C	R	-	T	-	switch	Low
Air pressure TLV 1: Switching output block	Input			1 bit	C	-	W	-	-	switch	Low

“Pressure threshold value”

DPT

()

1:

1

1

J: 1

492

18

1: (1:+ 0:-)

0% LMP

4

	1:				
1					
Output is at(TV=threshold value)(SD=Switching distance)					
496	1:		1	,	1.001
/					
1-					
0-					

5.23 "Pressure threshold value"

5.24

Priority	Number	Name	Object	Extraction	Description	Group Address	Length	Unit	R	W	T	U	Data Type	Priority
	595	Summer compensation: Outdoor temperature	Input				2 bytes	C	-	W	T	-	temperature (°C)	Low
	596	Summer compensation: Target value	Input				2 bytes	C	-	W	T	-	temperature (°C)	Low
	597	Summer compensation: Block (1 = Blocking)	Input				1 bit	C	-	W	T	-	switch	Low

5.24 "Summer compensation"

					DPT
595	:		2	, ,	9.001 ()
596	:		2	, ,	9.001 ()
597	:	(1)	1	,	1.001
/ 1-- 0--					

5.24 "Summer compensation"

5.25

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	609	Façade Wind measurement 1 in m/s	Input			2 bytes	C	-	W	T	-	speed (m/s)	Low
	610	Façade Wind measurement 2 in m/s	Input			2 bytes	C	-	W	T	-	speed (m/s)	Low
	611	Façade Wind measurement 3 in m/s	Input			2 bytes	C	-	W	T	-	speed (m/s)	Low
	612	Façade Wind measurement 4 in m/s	Input			2 bytes	C	-	W	T	-	speed (m/s)	Low
	613	Façade Wind measurement 5 in m/s	Input			2 bytes	C	-	W	T	-	speed (m/s)	Low
	614	Façade Wind measurement 6 in m/s	Input			2 bytes	C	-	W	T	-	speed (m/s)	Low
	650	Façade X channel (1+ 0:-)	Input			1 bit	C	-	W	-	-	switch	Low
	651	Façade X channel state text	Output			14 bytes	C	R	-	T	-	Character String (ASCII)	Low
	652	Façade X channel status bit state	Output			14 bytes	C	R	-	T	-	Character String (ASCII)	Low
	653	Façade X channel status bit state	Output			1 bit	C	R	-	T	-	switch	Low
	654	Façade X channel status bit state	Output			2 bytes	C	R	-	T	-	switch	Low
	655	Façade X channel status bit state	Output			2 bytes	C	R	-	T	-	switch	Low

656	Façade Wind simulation in m/s	Input	2 bytes	C	R	W	-	-	speed (m/s)	Low			
657	Façade Wind ext. blocking simulation (1: active)	Input	1 bit	C	R	W	-	-	switch	Low			
658	Façade Wind alarm simulation (1: active)	Input	1 bit	C	R	W	-	-	switch	Low			
659	Façade Rain simulation (1: active)	Input	1 bit	C	R	W	-	-	switch	Low			
660	Façade Outdoor temperature in °C simulation	Input	2 bytes	C	R	W	-	-	temperature (°C)	Low			
661	Façade Indoor temperature in °C simulation	Input	2 bytes	C	R	W	-	-	temperature (°C)	Low			
662	Façade Brightness in Lux simulation	Input	2 bytes	C	R	W	-	-	lux (Lux)	Low			
663	Façade Sun intensity simulation in watts/m²	Input	2 bytes	C	R	W	-	-	power density (W/m²)	Low			
664	Façade Date simulation	Input	3 bytes	C	R	W	-	-	date	Low			
665	Façade Time simulation	Input	3 bytes	C	R	W	-	-	time (date & time)	Low			
666	Façade Direction of the sun simulation in °, date & time	Output	4 bytes	C	R	-	T	-	angle (degree)	Low			
667	Façade Height of the sun simulation in °, date & time	Output	4 bytes	C	R	-	T	-	angle (degree)	Low			
668	Façade Direction of the sun simulation in °	Input	4 bytes	C	R	W	-	-	angle (degree)	Low			
669	Façade Height of the sun simulation in °	Input	4 bytes	C	R	W	-	-	angle (degree)	Low			
670	Façade Reset simulation (1: reset)	Input	1 bit	C	R	W	-	-	switch	Low			
671	Façade Sun angle mode simulation (1: On 0: Off)	Input	1 bit	C	R	W	-	-	switch	Low			
	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
672	672	Façade 1 simulation (1: On 0: Off)	Input			1 bit	C	R	W	-	-	switch	Low
673	673	Façade 1 block (1 = Block 0 = Release)	Input			1 bit	C	R	W	-	-	switch	Low
674	674	Façade 1 safety (1: On 0: Off)	Output			1 bit	C	R	-	T	-	switch	Low
675	675	Façade 1 wind extension block (1: On 0: Off)	Input			1 bit	C	-	W	-	-	switch	Low
676	676	Façade 1 wind extension block TLV in m/s	Input			2 bytes	C	R	W	T	-	speed (m/s)	Low
677	677	Façade 1 wind extension block TLV (1: + 0: -)	Input			1 bit	C	-	W	-	-	step	Low
678	678	Façade 1 wind ext. block status (1: On 0: Off)	Output			1 bit	C	R	-	T	-	switch	Low
679	679	Façade 1 wind alarm (1: On 0: Off)	Input			1 bit	C	-	W	-	-	switch	Low
680	680	Façade 1 wind alarm threshold value in m/s	Input			2 bytes	C	R	W	T	-	speed (m/s)	Low
681	681	Façade 1 wind alarm threshold value (1: + 0: -)	Input			1 bit	C	-	W	-	-	step	Low
682	682	Façade 1 wind alarm status (1: On 0: Off)	Output			1 bit	C	R	-	T	-	switch	Low
683	683	Façade 1 frost alarm status (1: On 0: Off)	Output			1 bit	C	R	W	T	-	switch	Low
684	684	Façade 1 rain automation (1: activated)	Input			1 bit	C	R	W	-	-	switch	Low
</													

707	Façade 1 indoor temperature via bit object (1: block) Input	1 bit	C	R	W	-	-	switch	Low
708	Façade 1 sun automation (1: activated) Input	1 bit	C	R	W	-	-	switch	Low
709	Façade 1 sun automation Direction of the sun from (1: Input	4 bytes	C	R	W	T	-	angle (degree)	Low
710	Façade 1 sun automation Direction of the sun from (1: Input	1 bit	C	-	W	-	-	step	Low
711	Façade 1 sun automation Direction of the sun up to (1: Input	4 bytes	C	R	W	T	-	angle (degree)	Low
712	Façade 1 sun automation Direction of the sun up to (1: Input	1 bit	C	-	W	-	-	step	Low
713	Façade 1 sun automation Height of the sun from (1: Input	4 bytes	C	R	W	T	-	angle (degree)	Low
714	Façade 1 sun automation Height of the sun from (1: Input	1 bit	C	-	W	-	-	step	Low
715	Façade 1 sun automation Height of the sun up to (1: Input	4 bytes	C	R	W	T	-	angle (degree)	Low
716	Façade 1 sun autom. Height of the sun up to (1: 0:-) Input	1 bit	C	-	W	-	-	step	Low
717	Façade 1 sun autom. DirHeight status (1: On 0: Off) Output	1 bit	C	R	-	-	-	switch	Low
719	Façade 1 sun autom. Brightness measurement in Lux Input	2 bytes	C	-	W	T	-	Lux (Lux)	Low
720	Façade 1 sun automation Brightness Lux (1: Input	2 bytes	C	R	W	T	-	Lux (Lux)	Low
721	Façade 1 sun automation Brightness Lux (1: 0:-) Input	2 bytes	C	-	W	-	-	step	Low

5.25

"Facades"

					DPT
609/.../ 620	1/..12 /		2	, ,	9.005 (/)
621	.	/	2	, , ,	7.006 ()
622	. (1:+ 0:-)		1	,	1.007
min					

1-- 0--					
623	.	/	2	, , ,	7.006 ()
624	. (1:+ 0:-)		1	,	1.007
1-- 0--					
625		/	2	, , ,	9.004 ()
Lux					
626	(1:+ 0:-)		1	,	1.007
1-- 0--					
627	()		2	, ,	9.001 ()

628		/	2	, , ,	9.001 ()
°C					
629	- (1:+ 0:-)		1	,	1.007
1-- 0--					
630		/	2	, , ,	9.001 ()
631	(1:+ 0:-)		1	,	1.007
1-- 0--					
632		/	2	, , ,	7.007 ()

h

633 1 , 1.007

(1:+ 0:-)

h

1-

0-

634 / 2 , , , 9.001 ()

°C

635 1 , 1.007

(1:+ 0:-)

°C

1-

0-

636 *V / 2 , , , 7.007 ()

1--					
0--					
638/.../ 645	1/.../4 /		2 4	, ,	9.022 (/ 2) 14.005
W/m ²					
648	(1:)		1	, ,	1.001
1					
649			14	, ,	16.000 ()
650	(1:+ 0:-)		1	,	1.001
1 12 / 649 651 1-- 0--					
651			14	, ,	16.000 ()
4.25 Facades Texts that are output with object "Facade X channel state text"					

652			14	, ,	16.000 ()
4.25 Facades Texts that are output with object "Facade X channel state bit text"					
653			1	, ,	1.001
Analysis of the facade status release object					
654			2	, ,	7.005 ()
/					
655	(1:+ 0:-)		1	,	1.007
652 653 652 653 1- 0-					
656	/		2	, ,	9.005 (/)
m/s					
657	(1:)		1	, ,	1.001
1					

658 1 , , 1.001

(1:)

1

659 (1:) 1 , , 1.001

665		3	, ,	10.001	
666		4	, ,	14.007	()
	, &				

/ 1 1– 0–					
673	1		1	, ,	1.001
/ 1 1– 0–					
674	1 (1: 0:)		1	, ,	1.001
1 1– 0–					
675	1 (1: 0:)		1	,	1.001
/ 1 1– 0–					
676	1 /		2	, , ,	9.005 (/)
1					

677	1 (1:+ 0:-)		1	,	1.007
1 1-- 0--					
678	1 (1: 0:)		1	, ,	1.001
1 1-- 0--					
679	1 (1: 0:)		1	,	1.001
/ 1 1-- 0--					
680	1 /		2	, , ,	9.005 (/)
1					
681	1 (1:+ 0:-)		1	,	1.007
1					

1-- 0--						
682	1	(1: 0:)		1	, ,	1.001
148 1-- 0--						
683	1	(1: 0:)		1	, , ,	1.001
148 1-- 0--						
684	1	/		1	, ,	1.001
/ 1 1-- 0--						
685	1	(1: 0:)		1	, ,	1.001

		1				
	1-					
	0-					
686	1	/		1	, ,	1.001

(1:+ 0:-)

1

1--

0--

691 **1** . **1** , , **1.001**

(1: 0:)

1

1--

0--

692

object						
695	1	(1: 0:)		1	, ,	1.001
1 1-- 0--						
696	1	/		1	, ,	1.001
/ 1 Analysis of the heat protection release						
object						
697	1	(1: 0:)		1	, ,	1.001
1 1-- 0--						
698	1	/		1	, ,	1.001
/ 1 Analysis of the pyranometer release						
object						
699	1	/ ±	/	2	, , ,	9.022 (/ 2)
1						

700	1 / ± (1:± 0:-)		1	,	1.007
1 1-- 0--					
701	1 (1: 0:)		1	, ,	1.001
1 1-- 0--					
702	1 -		2	, ,	9.001 ()
1					
703	1 / .		1	, ,	1.001
/ 1 Analysis of the indoor temperature blocking release object					
704	1 . - /		2	, , ,	9.001 ()
1					

705	1 . - (1:+ 0:-)		1	,	1.007
1 1-- 0--					
706	1 . (1: 0:)		1	, ,	1.001
1 1-- 1 0-- 1					
707	1 /		1	, ,	1.001
/ 1 1-- 0--					
708	1 / .		1	, ,	1.001
/ 1 1-- 0--					
709/	1 .		4	, , ,	14.007 ()

711/	()				
713/	1 .				
715/	()				
	1 .				
	1 .				
	()				
1					
°					
710/	1 .		1	,	1.007
712/	(1:+ 0:-)				
714/	1 .				
716/	(1:+ 0:-)				
	1 .				
	(1:+ 0:-)				
	1 .				
	(1:+ 0:-)				
1--					
0--					
717	1 .		1	, ,	1.001
	(1: 0:)				
1 1					
718	1 .		2	, ,	9.004 ()

	1	lux			
719	1 .		2	, , ,	9.004 ()
	1				
720	1 . (1:+ 0:-)		1	,	1.007
	1 1- 0-				
721	1 . . (1:)		1	, ,	1.001
	1				
722	1 . . (1:)		1	, ,	1.001
	1				
723	1 .	/	2	, , ,	7.006 ()
				min	
724	1 . (1:+ 0:-)		1	,	1.007

1 1-- 0--					
725	1	/	2	, , ,	7.005 ()
1 s					
726	1 (1:+ 0:-)		1	,	1.007
1 1-- 0--					
727	1 .	/	2	, , ,	7.006 ()
1 min					
728	1 . (1:+ 0:-)		1	,	1.007
1 1-- 0--					
729	1		1	, ,	5.001 (0...100%)
1					

730	1		1	, ,	5.001 (0...100%)
1					
731	1	(1: 0:)	1	, ,	1.001
/ 1 1-- 0--					
732	1		14	, ,	16.000 ()
1 4.25 Facades Texts that are output with object "Facade X channel state text"					
733	1		14	, ,	16.000 ()
1 4.25 Facades Texts that are output with object "Facade X channel state bit text"					
734	1		1	, ,	1.001
1 Analysis of the facade status release object					
735	1		2	, ,	7.005 ()
1 /					

736	1		1	,	1.007
(1:+ 0:-)					
1 732 733 732					
733					
1--					
0--					

5.25 "Facades"

5.26

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
↕	1530	Computer 1: Input I1	Input			2 bytes	C	R	W	T	-	pulses difference	Low
↕	1531	Computer 1: Input I2	Input			2 bytes	C	R	W	T	-	pulses difference	Low
↕	1532	Computer 1: Input I3	Input			2 bytes	C	R	W	T	-	pulses difference	Low
↕	1533	Computer 1: Output O1	Output			1 bit	C	R	-	T	-	switch	Low
↕	1534	Computer 1: Output O2	Output			1 bit	C	R	-	T	-	switch	Low
↕	1535	Computer 1: Condition text	Output			14 bytes	C	R	-	T	-	Character String (ASCII)	Low
↕	1536	Computer 1: Monitoring status	Output			1 bit	C	R	-	T	-	switch	Low
↕	1537	Computer 1: Block (1: block)	Input			1 bit	C	-	W	-	-	switch	Low

5.26

“Computer”

DPT

1530/.../

1:

1/2/3

4

, , ,

1532

1

□ □ □ □ □ □ □

1537	1:	(1:		1	,	1.001
/						
1--						
0--						

5.26 "Computer"

5.27

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
1600	Weekly time switch period 1: Switch-on time	Input			3 bytes	C	R	W	T	-	time of day	Low
1601	Weekly time switch period 1: Switch-off time	Input			3 bytes	C	R	W	T	-	time of day	Low
1602	Weekly time switch period 1: Switching output	Output			1 bit	C	R	-	T	-	switch	Low
1603	Weekly time switch period 1: 8-bit output	Output			1 byte	C	R	-	T	-	counter pulses (0..255)	Low

5.27 "Week time switch"

					DPT
1600	1:		, , ,	3	10.001
1 11					
1601	1:		, , ,	3	10.001
1 11					
1602	1:		, ,	1	1.001
1110					
1603	1: 8-		, ,	1	5.010 (0...255)
8bit					

5.27 "Week time switch"

5.28

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority		
	Calendar time switch period 1: Start date	Input			3 bytes	C	R	W	T	-	date	Low	1720	
	Calendar time switch period 1: End date	Input			3 bytes	C	R	W	T	-	date	Low	1721	
	Calendar time switch period 1 seq. 1: Switch-on time	Input			3 bytes	C	R	W	T	-	time of day	Low	1722	
	Calendar time switch period 1 seq. 1: Switch-off time	Input			3 bytes	C	R	W	T	-	time of day	Low	1723	
	Calendar time switch period 1 seq. 1: Switching output	Output			1 bit	C	R	-	T	-	switch	Low	1724	
	Calendar time switch period 1 seq. 1: 8-bit output	Output			1 byte	C	R	-	T	-	counter (0..255)	Low	1725	

5.28 "Calendar time switch"

					DPT
1720	1:		3	, , ,	11.001
1					
1721	1:		3	, , ,	11.001
1					
1722	1: -	1	3	, , ,	10.001
1 1					
1723	1:	1	3	, , ,	10.001
1 1					

1724	1 1:		1	, ,	1.001
1 1 1 0					
1725	1 1: 8-		1	, ,	5.010 (0...255)
8bit					

5.28 "Calendar time switch"

1801/1802	1: 8- /		, ,	1	5.001 (0...100%)
1 8bit					
1803	1:		,	1	1.001
/ 1 1-- 0--					
1832	1: 1-		, ,	1	1.002
1 1bit					
1833/1834	1: 8- /		, ,	1	5.001 (0...100%)
1 8bit					
1835	1:		,	1	1.001
/ 1 1-- 0--					