

CREATROL

KNX

| Database

Basic parameter illustrated manual

Illustrated Manual



CREATROL

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Import database

ETS5™ - Test Project Presence-motion detector

ETS 编辑E 工作区 试运行C 诊断D Apps 窗口

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项目 文档 ETS Inside

+

搜索

名称	最后更改 ▾	状态
Test Project Presence-motion detector	2024/4/1 17:58	未知的
测试项目	2024/4/1 17:47	正在编辑中

After importing the database, double-click to enter

KNX 消息

JUNG New generation LED controllers

2023/4/2

JUNG is extending its product line for the control of LED in KNX systems. The new LED controllers take over the standard functions of their predecessor and enable new applications.
LED spots, LED strips, RGB(W), Tunable White or RGB+CCT luminaires: the new LED controllers are ideally suited for controlling extra-low voltage LEDs without a control transformer using pulse width modulation (PWM). They are available both for mounting on a DIN rail (390051SLEDR) and for installation as a built-in unit (390051SLEDE). The KNX LED controllers are ideal for coloured light control with RGB. Colours can be mixed as required and the brightness freely chosen.
[Read more](https://www.jung-group.com/en-DE/Products/Systems/KNX-building-technology/KNX-LED-control-ler/?utm_source=ets&utm_medium=KNX_today&utm_campaign=July_to_September_2022)

GVS KNX Waltz Series

2023/4/2

The KNX Waltz Series presented by GVS is a modern and innovative KNX panel series that offer customers a convenient and intuitive smart life. It includes a highly customizable and user-friendly Waltz Touch+ Pad which supports mainstay KNX functions including voice control (CN), it also features an HD IPS touch panel with metallic push buttons.
Moreover, the innovative G-link function allows users to fully DIY KNX functions for the buttons. This series also comes with a 2/3/4-Gang Push Button Pro and accessories, all available in five color variants. KNX Waltz Series, since its born, has become one of the best-selling panel series thanks to its elegance and functionality. Try one and you will love it for your KNX project!
[Learn more](<https://www.gvssmart.com/article/460.html>)

Copy database

ETS5™ - Test Project Presence-motion detector

ETS 编辑E 工作区 试运行C 诊断D Apps 窗口

关闭项目 撤消 恢复 报告 工作区 产品目录 诊断

测试项目 - 建筑 Test Project Presence-...

建筑

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建筑

动态文件夹 1

初始设备

更改的设备

没有分配到一个房间 2

工程作业

地址 房间 描述 应用程序 Adr Prg Par Grp Cfg 厂家 订货号 产品

Presence & motion detector - - - - - Creatrol 3

打开

下载

卸载

信息

重置设备 Ctrl键 + R

比较设备

打印标签

传递参数和标志

取消链接

添加至设备模板

删除 Del

剪切 Ctrl键 + X

复制 Ctrl键 + C 4

粘贴

特殊粘贴 Ctrl键 + V

扩展粘贴

属性 Alt键 + 回车键

属性

配置 备注 信息

名称

Presence & motion detector

物理地址

描述

最后更改 2024/4/1 17:58

最后下载的 -

系列号 -

状态

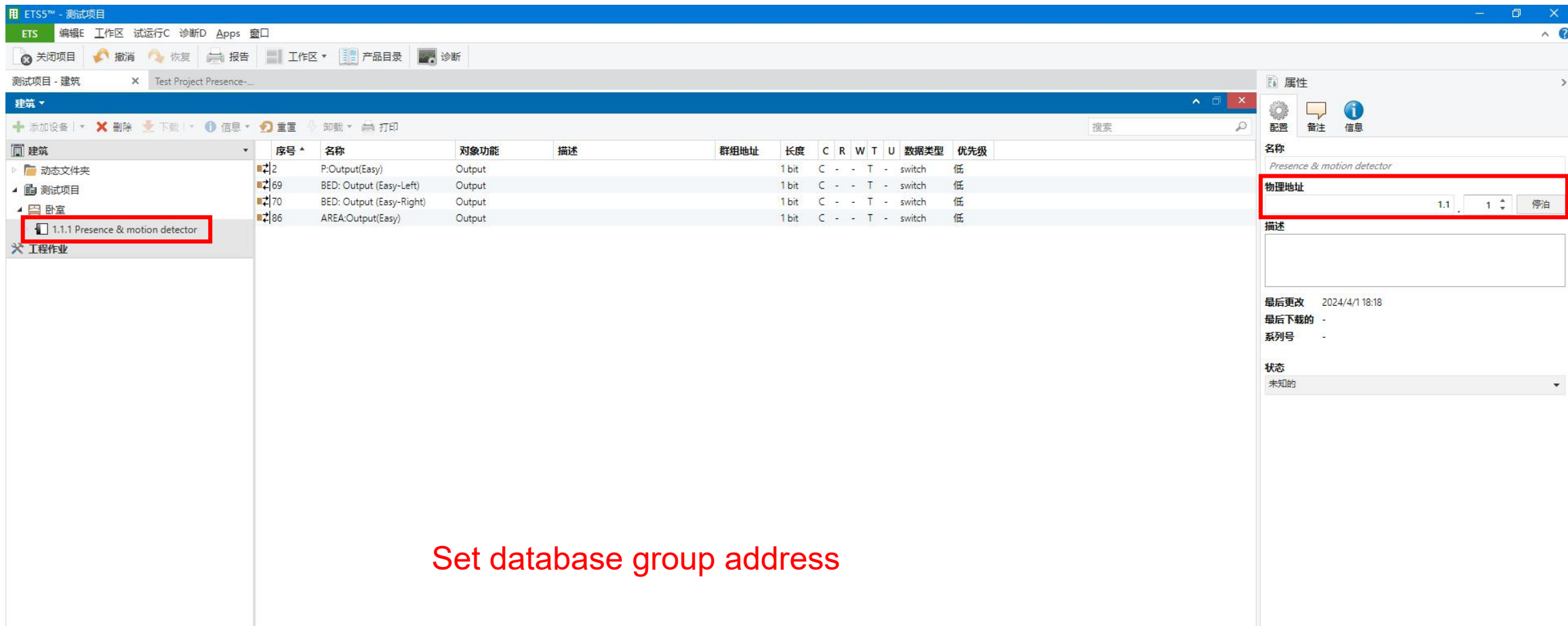
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Please follow the steps to copy the database

Paste database



Set group address



ETS5™ - 测试项目

ETS 编辑E 工作区 试运行C 诊断D Apps 窗口

关闭项目 撤销 恢复 报告 工作区 产品目录 诊断

测试项目 - 建筑 Test Project Presence...

建筑

+ 添加设备 | - 删除 - 下载 | 信息 重置 卸载 打印

建筑

- 动态文件夹
- 测试项目
- 卧室
- 1.1.1 Presence & motion detector
- 工程作业

序号	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
2	P:Output(Easy)	Output			1 bit	C	-	-	T	-	switch	低
69	BED: Output (Easy-Left)	Output			1 bit	C	-	-	T	-	switch	低
70	BED: Output (Easy-Right)	Output			1 bit	C	-	-	T	-	switch	低
86	AREA:Output(Easy)	Output			1 bit	C	-	-	T	-	switch	低

属性

配置 备注 信息

名称
Presence & motion detector

物理地址
1.1 1 停止

描述

最后更改 2024/4/1 18:18

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序列号 -

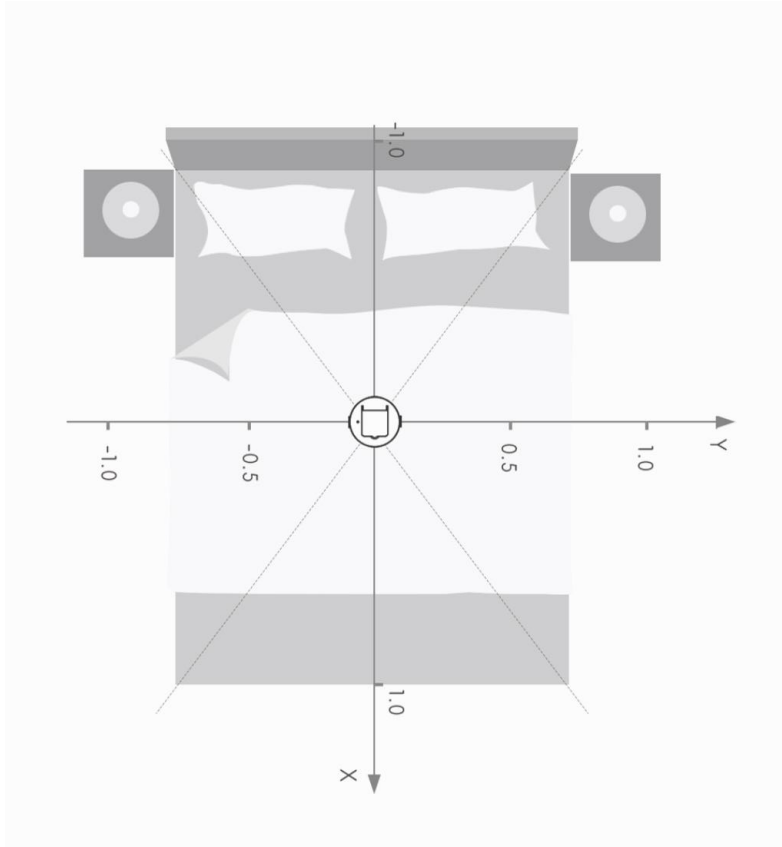
状态
未知的

Set database group address

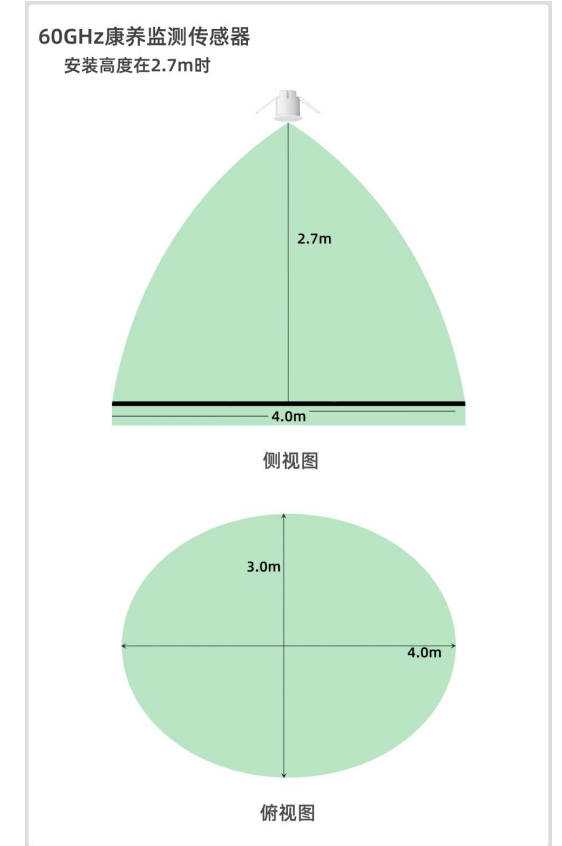
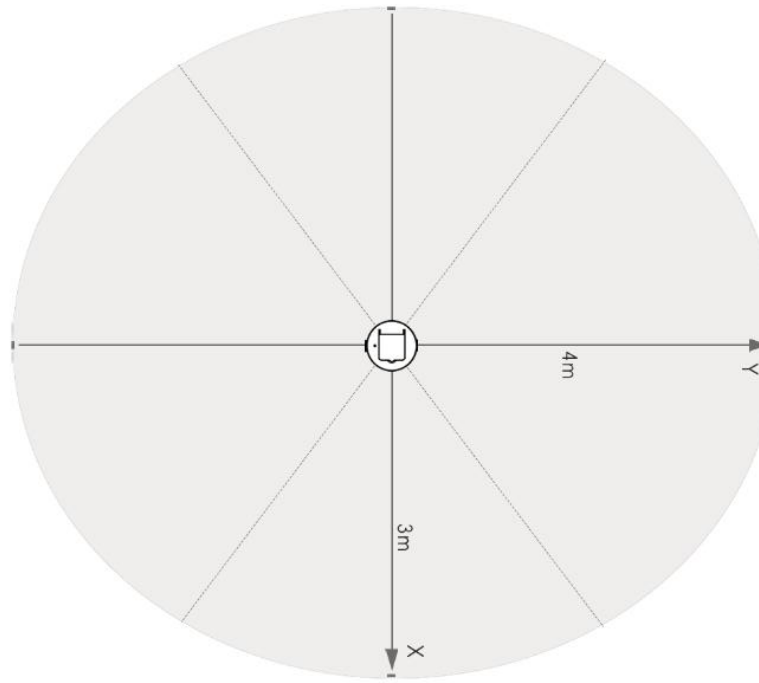
AI Monitoring Sensor

Illustrated Manual of Basic Parameters

Installation and Detection Range Diagram



Note the sensor
installation direction



General

1.1.1 Presence & motion detector > General

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

+ Area(Advanced)

+ Falldown

"On-Line" telegram

Device option

Application type

LED indicator

Common setting

Install height(20..32)*0.1m

Advanced application

1. Presence detector

2. Presence detector

3. Presence detector

4. Presence detector

5. Bed detector

6. Area detector

Extended function

Extended function

☒ Disable ☐ Enable

Health

Breath

27

☐ Disable ☒ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

☐ Disable ☒ Enable

☐ Disable ☒ Enable

☒ Disable ☐ Enable

Heartbeat packet function: indicates whether the device is working properly and not dead. Default: Disable

Device type: can be set to Motion, Presence, Ranging, Health respectively. Select according to the type of sensor installed, default Health sensor

LED indicator: Can be set to None, Breath, Night light respectively.

Installation height: Numerical value *0.1m, default 27, i.e. 2.7 m

Presence detection (1~4) : Independent Presence output, freely choose to turn on / off

Out-of-bed detection: Enable / Disable

Area detection: Enable / Disable

Extended function: Enable / Disable

Event & Logic

1.1.1 Presence & motion detector > Event & Logic

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

+ Area(Advanced)

+ Falldown

+ Event Group

+ Logic Group

Event Group

Event object 1

☐ Disable ☒ Enable

Event object 2

☒ Disable ☐ Enable

Event object 3

☒ Disable ☐ Enable

Event object 4

☒ Disable ☐ Enable

Logic Group

Logic function 1

☐ Disable ☒ Enable

Logic function 2

☒ Disable ☐ Enable

Logic function 3

☒ Disable ☐ Enable

Logic function 4

☒ Disable ☐ Enable

Event object (1~4): Independent Event output, Enable / Disable

Logic function (1~4): Independent Logic output, Enable / Disable

Presence(Basic)-Setting

1.1.- Presence & motion detector > Presensce(Basic) > Setting

General	Overwrite setting for download	☐ No ☒ Yes	Overwrite download settings: This parameter mainly considers whether the parameters changed by the remote control are overwritten by the currently downloaded ETS parameters.
Event & Logic	Detection Sensitivity (0..100)%	50	Detection sensitivity: 0~100% configurable, default 50%
Presensce(Basic)	Detection confirm time (0..100)*0.1s	0	Presence confirmation time : that is, how long it takes to output the presence state after the presence is detected . Unit 0.1s(100ms) , 0~100 configurable
Setting	Detection range in width (10..50)*0.1m	30	Width detection range: value *0.1m , default 30 , which is 3 m
Easy control	Detection range in length(10..50)*0.1m	40	Length detection range: value *0.1m , default 40 , which is 4m
+ Presence 1			
+ Brightness			
+ Bed(Basic)			
+ Bed(Advanced)			
+ Area(Basic)			
+ Area(Advanced)			
+ Falldown			
+ Event Group			

Presence(Basic)-Easy control

1.1.- Presence & motion detector > Presensce(Basic) > Easy control

General	Application	☐ Inactive ☒ Detector	Application: default Detector output
Event & Logic	Object type for output	1 bit	Output object type: default 1 bit
Presensce(Basic)	Value for switch-on	☐ Off ☒ On	Switch-On action output value configuration
Setting	Send value for switch-on cyclic	☒ No ☐ Yes	Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes
Easy control	Value for switch-off	☒ Off ☐ On	Switch-Off action output value configuration
	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes

+ Presence 1

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

+ Area(Advanced)

+ Falldown

+ Event Group

Presence-Common parameter

1.1.1 Presence & motion detector > Presence 1 > Common parameter

General	Detector's event	Presence	Detection method: Default Presence (Presence) Output, optional Motion(Movement) , Motionless(Still)
Event & Logic	<i>i</i> Note: Presence = Motionless + Motion		
+ Presence(Basic)	Type of output	☒ Master ☐ Slave	Output type: Default Master
- Presence 1	Input slave	☒ Disable ☐ Enable	Slave input: Default Disable
Common parameter	Object type for output	1 bit	Output type: Default 1 bit
Extended parameter	Output object send at	Switch On/Off	Output mode: Select to output On or Off
Night-mode parameter	Value for switch-on	☐ Off ☒ On	Switch-On action output value configuration
Brightness parameter	Send value for switch-on cyclic	☒ No ☐ Yes	Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes
External push-button	Value for switch-off	☒ Off ☐ On	Switch-Off action output value configuration
Enable	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
+ Brightness	Light-on time	00:00:10 hh:mm:ss	Switch on time Hold time, which is Switch off Delay output time, delay output after the relevant event is not detected Switch off Time , Default 10 s
+ Bed(Basic)			
+ Bed(Advanced)			
+ Area(Basic)			
+ Area(Advanced)			

Presence-Extended parameter

1.1.1 Presence & motion detector > Presence 1 > Extended parameter

General	Operating mode	Automatic	Working mode, default Automatic
Event & Logic	Use object for switch-off delay	☒ Disable ☐ Enable	Whether to enable the object whose adjustable Switch off delay output time can be enabled. If enabled, the delay time can be adjusted through the object
+ Presence(Basic)	Use object for test mode	☒ Disable ☐ Enable	Whether to enable the object that can enter or exit the test mode. Through this object, the corresponding function unit can enter the test module or exit the test module
- Presence 1	Use object for actuator status	☒ Disable ☐ Enable	Whether to enable the object that receives the actuator status feedback, so that the function unit can suspend the function in a targeted manner to avoid accidental triggering
Common parameter	Use object for manual status	☒ Disable ☐ Enable	Whether to enable the object that outputs the "manual mode" status
Extended parameter	Pause time	00.100 ss.fff	This parameter setting involves Switch off The output causes sudden changes in the environment, which may cause false detection of the sensor. You can set it according to the actual situation Pause time , Avoid false detection time period
Night-mode parameter	Overwrite setting for download	☒ No ☐ Yes	Overwrite download Settings: This parameter mainly considers the parameters changed by the remote control, whether it is downloaded by the current download ETS Parameter coverage processing
Brightness parameter			
External push-button			
Enable			
+ Brightness			
+ Bed(Basic)			
+ Bed(Advanced)			
+ Area(Basic)			

Presence-Night-mode parameter

1.1.1 Presence & motion detector > Presence 1 > Night-mode parameter

General

Use object for night mode

☐ Disable ☒ Enable

Use object for Night mode

Event & Logic

Night mode is activated with

☐ Off telegram ☒ On telegram

Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event

+ Presence(Basic)

Mode status after power reset

Normal mode

Mode status after power reset: Normal mode (Normal mode), Night mode (Night mode), As before reset (Same as before reset), default Normal mode

- Presence 1

Value for switch-on

☐ Off ☒ On

Switch-On Action Night mode output value configuration

Common parameter

Value for switch-off

☒ Off ☐ On

Night mode output value configuration when Switch-Off action is performed

Extended parameter

i Note: setting value here as output parameter for night mode

Note: The value set here is the output parameter of the night mode

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

Presence-Brightness parameter

1.1.1 Presence & motion detector > Presence 1 > Brightness parameter

General

Event & Logic

+ Presence(Basic)

- Presence 1

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

Used brightness

Internal or External

Illuminance setting: You can select internal, external, internal and external combined illuminance values, the default illuminance is not linked

Use object for detection independent of brightness

☒ Disable ☐ Enable

Whether to enable the object that controls the "illuminance" condition. This object can be used to disable the illuminance condition control, that is, the illuminance is not judged, and the Switch-On action is executed as long as there are people or movement conditions

Use object for internal brightness threshold

☒ Disable ☐ Enable

Whether to enable the object that adjusts the internal "illuminance" control threshold. This object can be used to adjust the internal illuminance control threshold

Brightness threshold internal(lux)

400

Internal brightness threshold: default 400 lux

Use object for external brightness threshold

☒ Disable ☐ Enable

Whether to open the object that adjusts the threshold of external "illuminance" control. The external illuminance control threshold is adjusted through this object

Brightness threshold external(lux)

256

External brightness threshold: default 256 lux

Presence-External push-button

1.1.1 Presence & motion detector > Presence 1 > External push-button

General

Use object for external push-button

☐ Disable ☒ Enable

Whether to enable the group object that receives "external button" . The external button event is received through this group object to trigger Switch-On or Switch-Off event

Event & Logic

External button switch-on with

☐ Off telegram ☒ On telegram

Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event

+ Presensce(Basic)

Use object for manual operation

☐ Disable ☒ Enable

This option configures whether to enable the group object that switches "manual mode" . If enabled, you can switch between "manual mode" and "automatic mode" through this object. If you switch to manual mode, the corresponding function unit will not run automatically, but will be controlled by external key input

- Presence 1

Manual mode is activated with

☐ Off telegram ☒ On telegram

The configuration option of the group object receives what message to trigger the manual mode, and vice versa automatic mode

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

Presence-Enable

1.1.1 Presence & motion detector > Presence 1 > Enable

General

Event & Logic

+ Presence(Basic)

- Presence 1

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

Use object for enabling detector

☐ Disable ☒ Enable

Enable with

☐ Off telegram ☒ On telegram

Device status after power reset

Enabled ▼

Output send at enable

Current status ▼

Output send at block

Off after the light-on time ▼

This option configures whether to enable the "Enable or Disable" function unit object, which can control whether the function unit is "enabled" or "disabled" function to achieve the purpose of temporarily closing the function unit.

Configure the "Enable or Disable" function unit object to receive what message to enable the function unit, and vice versa

Device status after power reset: disabled, enabled, same as before reset, enabled by default

Configuration options for outputting related actions when the function unit changes from disabled to enabled state

Configuration options for outputting related actions when the function unit changes from enabled to disabled state

Brightness-Common parameter

1.1.- Presence & motion detector > Brightness > Common parameter

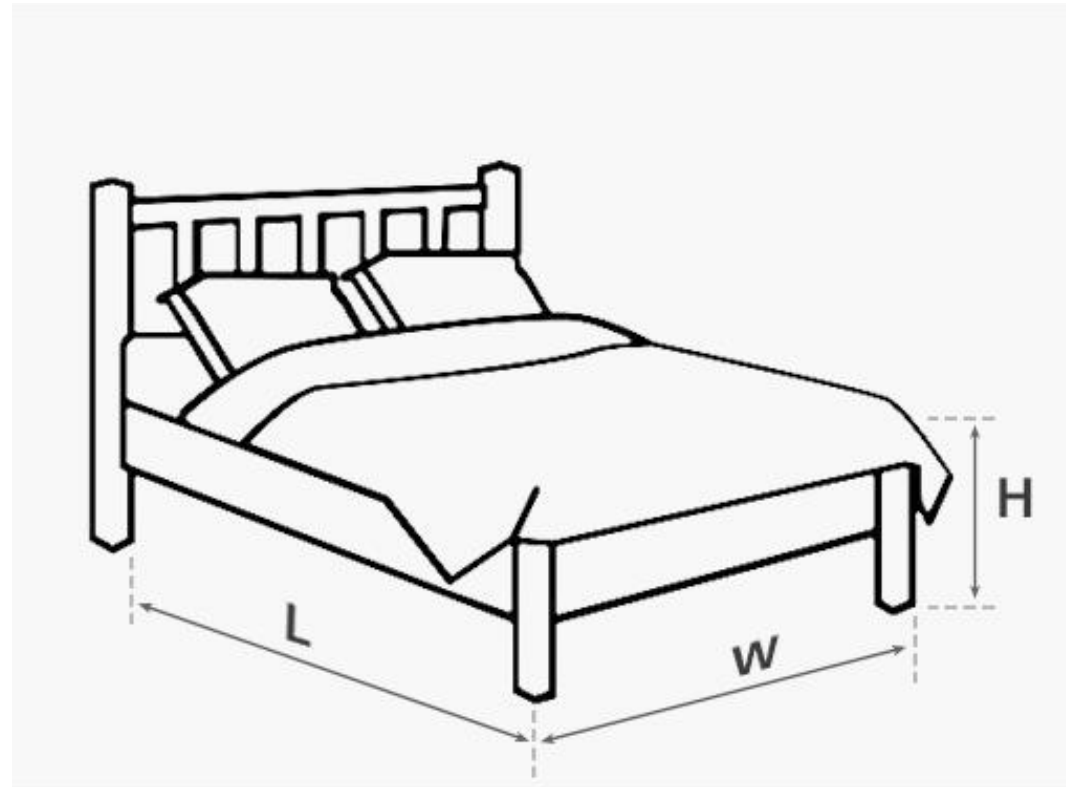
General	Application	☐ Inactive ☒ Brightness Detection	Application: Whether to enable brightness detection, default Inactive
Event & Logic	Output control function	☐ Disable ☒ Enable	Output control function: Disabled by default
+ Presence(Basic)	Send internal brightness	☐ Disable ☒ Enable	Send internal brightness: Default Disabled
+ Presence 1	Brightness difference for immediate transmission(1..255, 0:Disable)	10	Instantaneous transmitted brightness difference: 1~255 configurable. 0 is disabled, default 10
- Brightness	Report interval for brightness (1..255, 0:Disable)*1s	0	Brightness reporting interval: 1~255s configurable. Default 0 (Disabled)
Common parameter	Data type of brightness	☐ Value in lux(DPT 7.013) ☒ Float value in lux(DPT 9.004)	Brightness data type: Lux value Floating point value in Lux
Control parameter	Correction of internal brightness(Lux)	0	Internal brightness correction: -100~100Lux adjustable
+ Bed(Basic)			
+ Bed(Advanced)			
+ Area(Basic)			
+ Area(Advanced)			
+ Falldown			

Brightness-Control parameter

1.1.- Presence & motion detector > Brightness > Control parameter

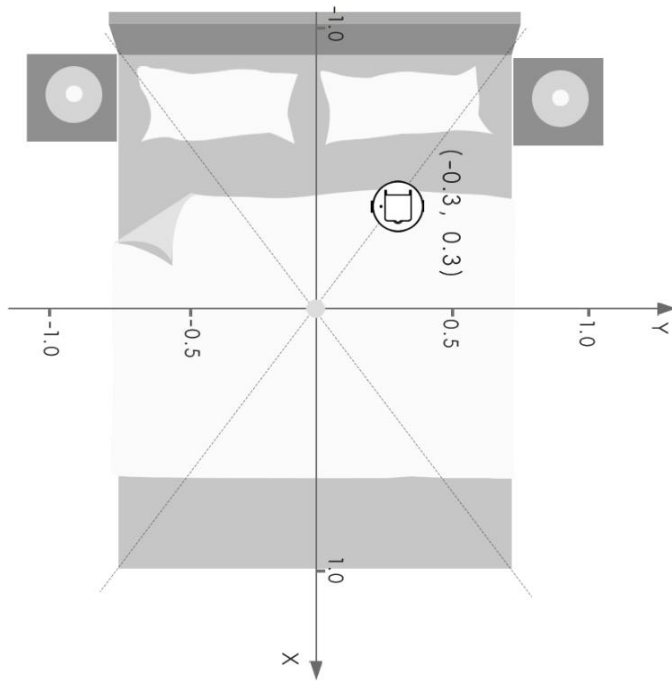
General	Threshold	
Event & Logic	Brightness threshold for switch-off	1000 Light intensity threshold for turning off: Default 1000 lux
+ Presence(Basic)	Brightness threshold for switch-on	350 Light intensity threshold for turning on: Default 350 lux
+ Presence 1	Output	
- Brightness	Object type for output	1bit Object output type: Default 1 bit
Common parameter	Value for switch-on	☐ Off ☒ On Switch-On action output value configuration
Control parameter	Value for switch-off	☒ Off ☐ On Switch-On action output value configuration
+ Bed(Basic)		
+ Bed(Advanced)		
+ Area(Basic)		
+ Area(Advanced)		
+ Falldown		

Bed size setting diagram



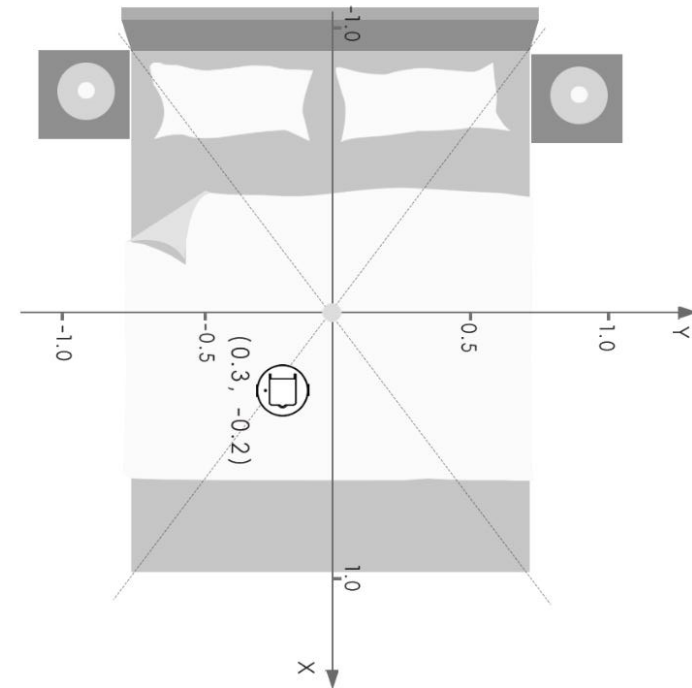
W: Bed width
L : Bed length
H : Height of the bed

x axis /y axis offset schematic diagram



The installation position of the sensor should be set as shown in the figure:

x axis offset -0.3 , y axis offset 0.3



The installation position of the sensor should be set as shown in the figure:

x axis offset 0.3 , y axis offset -0.2

Bed(Basic)-Setting

1.1.- Presence & motion detector > Bed(Basic) > Setting

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

- Bed(Basic)

Setting

Easy control

+ Bed(Advanced)

+ Area(Basic)

+ Area(Advanced)

+ Falldown

+ Event Group

+ Logic Group

Overwrite setting for download

☐ No ☒ Yes

Overwrite download settings: This parameter mainly considers whether the parameters changed by the remote control are overwritten by the currently downloaded ETS parameters

Bed size

Bed size in width(0..24)*0.1m

14

Bed width size: Value *0.1m . Default 14 , and 1.4 m

Bed size in length(0..26)*0.1m

20

Bed length size: Value *0.1m . Default 20 , and 2 m

Bed size in height(4..7)*0.1m

5

Bed height size: Value *0.1m . Default 5 , and 0.5m

Bed offset

Bed offset in X-Axis

0.0m

X axis offset: default 0m , ± 1m configurable

Bed offset in Y-Axis

0.0m

Y axis offset: default 0m , ± 1m configurable

Leaving/Return

Monitor confirm count(0..8)

3

Out-of-bed height trigger times: default 3

Bed(Basic) -Easy control

1.1.- Presence & motion detector > Bed(Basic) > Easy control

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

- Bed(Basic)

Setting

Easy control

+ Bed(Advanced)

+ Area(Basic)

+ Area(Advanced)

+ Falldown

+ Event Group

Application

☐ Inactive ☒ Monitor

Application: default Monitor Monitoring function

Object type for output

1 bit

Output object type: default 1 bit

Value for switch-on (Right)

☐ Off ☒ On

Switch-On Output value configuration when the right side is activated

Value for switch-on (Left)

☐ Off ☒ On

Switch-On Output value configuration when the left side is activated

Send value for switch-on cyclic

☐ No ☒ Yes

Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes

Value for switch-off (Right)

☒ Off ☐ On

Switch-Off Output value configuration when the right side is activated

Value for switch-off (Left)

☒ Off ☐ On

Switch-Off Output value configuration when the left side is activated

Send value for switch-off cyclic

☒ No ☐ Yes

Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes

Cyclical repeating time

00:00:10 hh:mm:ss

Cycle repetition time: default 10 s

🔍 00:00:10

Bed(Advanced)-Common parameter

1.1.1 Presence & motion detector > Bed(Advanced) > Common parameter

General	Event selection	☐ Leaving ☒ Leaving + Return	Event selection: default leave + return
Event & Logic	Note: monitor actions: leaving from bed, return to bed.		Note: Monitoring action: Get out of bed, return to bed
+ Presensce(Basic)	Event channel	Both sides	Event channel: default both sides
+ Presence 1	Leaving event	☒ Separated for both sides ☐ Unified for both sides	Leave event: Separate on both sides Unified on both sides
+ Brightness	Return event	☒ Separated for both sides ☐ Unified for both sides	Return event: Separate on both sides Unified on both sides
+ Bed(Basic)	Object type for output	1 bit	Output object type: default 1 bit
- Bed(Advanced)	Output object send at	Switch On/Off	Output mode: Select to output On or Off
Common parameter	Value for switch-on (Left)	☐ Off ☒ On	Switch-On Output value configuration when the left side is activated
Extended parameter	Value for switch-on (Right)	☐ Off ☒ On	Switch-On Output value configuration when the right side is activated
Brightness parameter	Send value for switch-on cyclic	☒ No ☐ Yes	Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes
External push-button	Value for switch-off (Left)	☒ Off ☐ On	Switch-Off Output value configuration when the left side is activated
Enable	Value for switch-off (Right)	☒ Off ☐ On	Switch-Off Output value configuration when the right side is activated
+ Area(Basic)	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
+ Area(Advanced)	Light-on time	00:00:10 hh:mm:ss	Switch on holding time, which is Switch off delay output time, delay output time after detecting no related events Switch off time , default 10s
+ Falldown			
+ Event Group			

Bed (Advanced)-Extended parameter

1.1.1 Presence & motion detector > Bed(Advanced) > Extended parameter

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Bed(Basic)

- Bed(Advanced)

Common parameter

Extended parameter

External push-button

Enable

+ Area(Basic)

+ Area(Advanced)

+ Falldown

Operating mode

Automatic switch-off

Use object for switch-off delay

☒ Disable ☐ Enable

Use object for test mode

☒ Disable ☐ Enable

Use object for manual status

☒ Disable ☐ Enable

Overwrite setting for download

☒ No ☐ Yes

Operating mode: Auto off, Auto on , Auto. Default Auto

Whether to enable the object whose adjustable Switch off delay output time can be enabled. If enabled, the delay time can be adjusted through the object

Whether to enable the object that can enter or exit the test mode. You can use this object to let the corresponding functional unit enter the test module or exit the test module

Whether to enable the object whose manual mode status is output. You can use this object to understand the manual mode status of the current functional unit

Overwrite download settings: This parameter mainly considers whether the parameters changed by the remote control are overwritten by the currently downloaded ETS parameters.

Bed (Advanced)-Brightness parameter

1.1.1 Presence & motion detector > Bed(Advanced) > Brightness parameter

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Bed(Basic)

- Bed(Advanced)

Common parameter

Extended parameter

Brightness parameter

External push-button

Enable

+ Area(Basic)

+ Area(Advanced)

Used brightness

Internal or External

Use object for detection independent of brightness

☒ Disable ☐ Enable

Use object for internal brightness threshold

☒ Disable ☐ Enable

Brightness threshold internal(lux)

400

Use object for external brightness threshold

☒ Disable ☐ Enable

Brightness threshold external(lux)

256

Illuminance setting: You can select internal, external, internal and external combined illuminance values, the default illuminance is not linked

Whether to enable the object that controls the "illuminance" condition. This object can be used to disable the illuminance condition control, that is, the illuminance is not judged, and the Switch-On action is executed as long as there are people or movement conditions

Whether to enable the object that adjusts the internal "illuminance" control threshold. This object can be used to adjust the internal illuminance control threshold

Internal brightness threshold: default 400 lux

Whether to open the object that adjusts the threshold of external "illuminance" control. The external illuminance control threshold is adjusted through this object

External brightness threshold: default 256 lux

Bed (Advanced)- External parameter

1.1.1 Presence & motion detector > Bed(Advanced) > External push-button

General

Use object for external push-button

☐ Disable ☒ Enable

Whether to enable the group object that receives "external button" . The external button event is received through this group object to trigger Switch-On or Switch-Off event

Event & Logic

External button switch-on with

☐ Off telegram ☒ On telegram

Configuration options for the group object to trigger the Switch-On event when it receives a message, and vice versa for the Switch-Off event

+ Presence(Basic)

Use object for manual operation

☐ Disable ☒ Enable

This option configures whether to enable the group object that switches "manual mode" . If enabled, you can switch between "manual mode" and "automatic mode" through this object. If you switch to manual mode, the corresponding function unit will not run automatically, but will be controlled by external key input

+ Presence 1

Manual mode is activated with

☐ Off telegram ☒ On telegram

Configuration options for the group object to switch to manual mode when receiving a message, and vice versa to exit manual mode

+ Brightness

+ Bed(Basic)

- Bed(Advanced)

Common parameter

Extended parameter

Brightness parameter

External push-button

Enable

+ Area(Basic)

+ Area(Advanced)

Bed (Advanced)- Enable

1.1.1 Presence & motion detector > Bed(Advanced) > Enable

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Bed(Basic)

- Bed(Advanced)

Common parameter

Extended parameter

External push-button

Enable

+ Area(Basic)

+ Area(Advanced)

+ Falldown

Use object for enabling detector

☐ Disable ☒ Enable

Enable with

☐ Off telegram ☒ On telegram

Device status after power reset

Enabled

Output send at enable

Current status

Output send at block

Off after the light-on time

This option configures whether to enable the "Enable or Disable" function unit object, which can control whether the function unit is "enabled" or "disabled" function to achieve the purpose of temporarily closing the function unit.

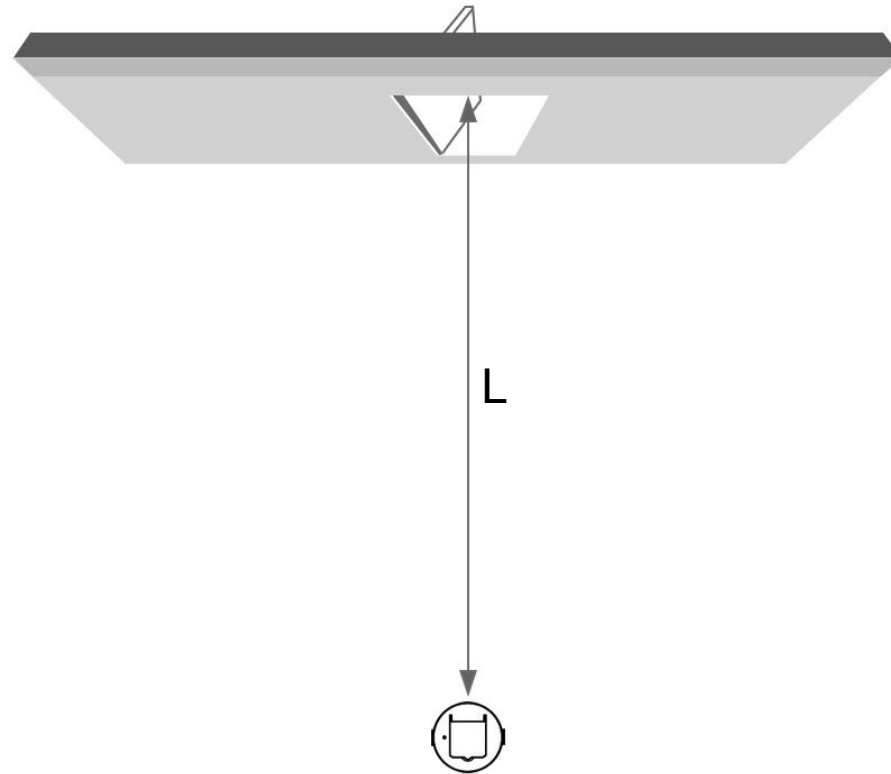
Configuration of the object of the "enable or disable" function unit When receiving a message, the function unit is enabled, and vice versa

Device status after power reset: disabled, enabled, same as before reset, default enabled

Configuration options for outputting related actions when the function unit changes from disabled to enabled state

Configuration options for outputting related actions when the function unit changes from enabled to disabled state

Exit location schematic diagram



L : Horizontal distance from sensor
mounting position to door

Area(Basic)-Setting

1.1.1 Presence & motion detector > Area(Basic) > Setting

General

Overwrite setting for download

☐ No ☒ Yes

Overwrite download settings: This parameter mainly considers whether the parameters changed by the remote control are overwritten by the currently downloaded ETS parameters

Event & Logic

Exit position (2..15)*0.1m

10

Exit position: Numerical value *0.1m , default 10 , which is 1 m

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

- Area(Basic)

Setting

Easy control

+ Area(Advanced)

+ Falldown

+ Event Group

+ Logic Group

Area(Basic)-Easy control

1.1.- Presence & motion detector > Area(Basic) > Easy control

General	Application	☐ Inactive ☒ Monitor	Application: Default Guard Function
Event & Logic	Object type for output	1 bit	Output object type: default 1 bit
+ Presence(Basic)	Value for leaving	☐ Off ☒ On	Output value configuration when leaving action
+ Presence 1	Send value for leave cyclic	☒ No ☐ Yes	Whether the output value of leaving is cyclically sent , the option " No " means that it is only output once when the state changes
+ Brightness	Value for entering	☒ Off ☐ On	Output Value Configuration When Entering Action
+ Bed(Basic)	Send value for enter cyclic	☒ No ☐ Yes	Whether the entered output value is cyclically sent , the option " No " means that it is only output once when the state changes
+ Bed(Advanced)			
- Area(Basic)			
Setting			
Easy control			
+ Area(Advanced)			
+ Falldown			
+ Event Group			

Area(Advanced)-Common parameter

1.1.1 Presence & motion detector > Area(Advanced) > Common parameter

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

- Area(Advanced)

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

Application mode

☐ Leave:Off / Enter:On
☒ Leave:On / Enter:Off

Application: Leave :Switch-off/ Enter :Switch-on
Leave : Switch-on/ Enter : Switch-off

Object type for output

1 bit

Output object type: default 1 bit

Output object send at

Switch On/Off

Output mode: Select to output On or Off

Value for switch-on

☐ Off ☒ On

Switch-On action output value configuration

Send value for switch-on cyclic

☒ No ☐ Yes

Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes

Value for switch-off

☒ Off ☐ On

Switch-Off action output value configuration

Send value for switch-off cyclic

☒ No ☐ Yes

Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes

Light-on time

00:00:10 hh:mm:ss

Switch on holding time, which is Switch off delay output time, delay output time after detecting no related events Switch off time , default 10s

Area(Advanced)-Extended parameter

1.1.1 Presence & motion detector > Area(Advanced) > Extended parameter

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

- Area(Advanced)

Common parameter

Extended parameter

Night-mode parameter

External push-button

Enable

Operating mode

Automatic switch-off

Use object for switch-off delay

☒ Disable ☐ Enable

Use object for test mode

☒ Disable ☐ Enable

Use object for manual status

☒ Disable ☐ Enable

Overwrite setting for download

☒ No ☐ Yes

Operating mode: Auto off, Auto on , Auto. Default Auto

Whether to enable the object whose adjustable Switch off delay output time can be enabled. If enabled, the delay time can be adjusted through the object

Whether to enable the object that can enter or exit the test mode. You can use this object to let the corresponding functional unit enter the test module or exit the test module

Whether to enable the object whose manual mode status is output. You can use this object to understand the manual mode status of the current functional unit

Overwrite Download Settings: This parameter mainly considers whether the parameters changed by the remote control are overwritten by the currently downloaded ETS parameters

Area(Advanced)-Night-mode parameter

1.1.1 Presence & motion detector > Area(Advanced) > Night-mode parameter

General

Use object for night mode

☐ Disable ☒ Enable

Use object for Night mode

Event & Logic

Night mode is activated with

☐ Off telegram ☒ On telegram

What message is received by the group object to trigger the night mode, and vice versa to exit the night mode

+ Presence(Basic)

Mode status after power reset

Normal mode

Mode status after power reset: Normal mode (Normal mode), Night mode (Night mode), As before reset (Same as before reset), default Normal mode

+ Presence 1

Value for switch-on

☐ Off ☒ On

Switch-On Action Night mode output value configuration

+ Brightness

Value for switch-off

☒ Off ☐ On

Switch-Off Action Night Mode Output Value Configuration

+ Bed(Basic)

i Note: setting value here as output parameter for night mode

Note: The value set here is the output parameter of the night mode

+ Bed(Advanced)

+ Area(Basic)

- Area(Advanced)

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

Area(Advanced)-Brightness parameter

1.1.1 Presence & motion detector > Area(Advanced) > Brightness parameter

General	Used brightness	Internal or External	Illuminance setting: You can select internal, external, internal and external combined illuminance values, the default illuminance is not linked
Event & Logic	Use object for detection independent of brightness	☒ Disable ☐ Enable	Whether to enable the object that controls the "illuminance" condition. This object can be used to disable the illuminance condition control, that is, the illuminance is not judged, and the Switch-On action is executed as long as there are people or movement conditions
+ Presence(Basic)	Use object for internal brightness threshold	☒ Disable ☐ Enable	Whether to enable the object that adjusts the internal "illuminance" control threshold. This object can be used to adjust the internal illuminance control threshold
+ Presence 1	Brightness threshold internal(lux)	400	Internal brightness threshold: default 400 lux
+ Brightness	Use object for external brightness threshold	☒ Disable ☐ Enable	Whether to open the object that adjusts the threshold of external "illuminance" control. The external illuminance control threshold is adjusted through this object
+ Bed(Basic)	Brightness threshold external(lux)	256	External brightness threshold: default 256 lux
+ Bed(Advanced)			
+ Area(Basic)			
- Area(Advanced)			
Common parameter			
Extended parameter			
Night-mode parameter			
Brightness parameter			
External push-button			
Enable			

Area(Advanced)-External push-button

1.1.- Presence & motion detector > Area(Advanced) > External push-button

General

Use object for external push-button

☐ Disable ☒ Enable

Whether to enable the group object that receives "external button" . The external button event is received through this group object to trigger Switch-On or Switch-Off event

Event & Logic

External button switch-on with

☐ Off telegram ☒ On telegram

Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event

This option configures whether to enable the group object that switches " manual mode " . If enabled, you can switch between "manual mode" and "automatic mode" through this object. If you switch to manual mode, the corresponding function unit will not run automatically, but will be controlled by external key input

+ Presence(Basic)

Use object for manual operation

☐ Disable ☒ Enable

+ Presence 1

Manual mode is activated with

☐ Off telegram ☒ On telegram

Configuration options for what message the group object receives to trigger manual mode, and vice versa for automatic mode

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

- Area(Advanced)

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

Area(Advanced)-Enable

1.1.- Presence & motion detector > Area(Advanced) > Enable

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

- Area(Advanced)

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

Use object for enabling detector

☐ Disable ☒ Enable

Enable with

☐ Off telegram ☒ On telegram

Device status after power reset

Enabled

Output send at enable

Current status

Output send at block

Off after the light-on time

This option configures whether to enable the "Enable or Disable" function unit object, which can control whether the function unit is "enabled" or "disabled" function to achieve the purpose of temporarily closing the function unit.

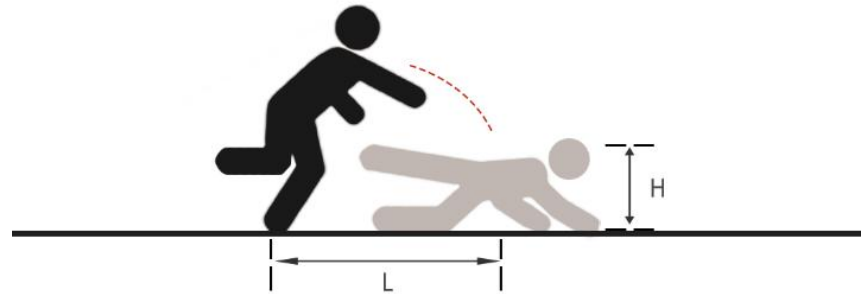
Configure the "Enable or Disable" function unit object to receive what message to enable the function unit, and vice versa

Device status after power reset: disabled, enabled, same as before reset, enabled by default

Configuration options for outputting related actions when the function unit changes from disabled to enabled state

Configuration options for outputting related actions when the function unit changes from enabled to disabled state

Fall Schematic diagram



H : Height of lying on
the ground after a fall
L : Sliding distance
after falling

Falldown-Setting

1.1.- Presence & motion detector > Falldown > Setting

General

Overwrite setting for download

☐ No ☒ Yes

Overwrite download Settings: This parameter mainly considers the parameters changed by the remote control, whether it is downloaded by the current download ETS Parameter coverage processing

Event & Logic

Value in height while fall-down(0..10)
*0.1m

4

Height of lying on the ground after a fall: Numerical value *0.1m . Default 4 , which is 0.4 m

+ Presensce(Basic)

Slip distance while fall-down(0..10)*0.1m

2

Sliding distance after falling: Numerical value *0.1m . Default 2 , which is 0.2m

+ Presence 1

Confirm time after fall-down(0..60)*1s

3

Fall alarm timing: Default 3s . That is, it is judged that the fall 3s has not gotten up after Output alarm

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

+ Area(Advanced)

- Falldown

Setting

Easy control

+ Event Group

Falldown-Easy control

1.1.- Presence & motion detector > Falldown > Easy control

General	Application	☐ Inactive ☒ Monitor	Application: Default Inactive
Event & Logic	Object type for output	1 bit	Output type: Default 1 bit
+ Presence(Basic)	Value for fall-down	☐ Off ☒ On	Output value configuration when falling
+ Presence 1	Send value for fall-down cyclic	☒ No ☐ Yes	Whether the output value of the fall is cycled , the option " No " means that it is only output once when the state changes
+ Brightness	Value for reset-status	☒ Off ☐ On	Reset State Value
+ Bed(Basic)	Send value for reset-status cyclic	☒ No ☐ Yes	Whether the output value of the fall is cycled , the option " No " means that it is only output once when the state changes
+ Bed(Advanced)	Reset after delay time	00:01:00 hh:mm:ss	Delay Reset Time: Default 1 minute
+ Area(Basic)			
+ Area(Advanced)			
- Falldown			
Setting			
Easy control			
+ Event Group			

Event Group-Event Object

1.1.- Presence & motion detector > Event Group > Event Object 1

General	Object type of output	1 Bit	Output type: Default 1 bit
Event & Logic	Mutual exclusion between scene	☒ Disable ☐ Enable	Mutual Exclusion Between Scenes: Default Disable
+ Presensce(Basic)	1. Trigger scene (1-64,0-Disable)	1	Trigger Scene 1 : Settable Range 1~64 , 0 is Disable, Default 1
+ Presence 1	Object Value (0-1)	0	Object Value: 0 or 1
+ Brightness	Delay time (0-255)*0.1s	0	Delay Time: Value *0.1s , Default 0
+ Bed(Basic)	2. Trigger scene (1-64,0-Disable)	0	
+ Bed(Advanced)	3. Trigger scene (1-64,0-Disable)	0	
+ Area(Basic)	4. Trigger scene (1-64,0-Disable)	0	
+ Area(Advanced)	5. Trigger scene (1-64,0-Disable)	0	Trigger Scene 2~8 : Settable Range 1~64 , 0 is Disable, Default 0
+ Falldown	6. Trigger scene (1-64,0-Disable)	0	
- Event Group	7. Trigger scene (1-64,0-Disable)	0	
Event Object 1	8. Trigger scene (1-64,0-Disable)	0	
+ Logic Group			

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	AND	Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND
Event & Logic	Input A	Normal	Output A : Settable Disable, Normal, Reverse, Default Normal
+ Presensce(Basic)	Default value	0	Default Value: 0
+ Presence 1	Input B	Normal	Output B : Set to disable, normal, reverse, default normal
+ Brightness	Default value	0	Default Value: 0
+ Bed(Basic)	Input C	Disable	Output C~H : Settable Disable, Normal, Reverse, Default Disable
+ Bed(Advanced)	Input D	Disable	
+ Area(Basic)	Input E	Disable	
+ Area(Advanced)	Input F	Disable	
+ Falldown	Input G	Disable	Whether the result is the opposite
+ Event Group	Input H	Disable	
- Logic Group	Inverted in result	☒ No ☐ Yes	Output sending time: each new message Every change
	Output send when	☒ Each one new telegram ☐ Every change in output	Whether to support output delay
	Support delay in output	☒ No ☐ Yes	

Logic Function 1

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	Gate Transfer	Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND
Event & Logic	Object type of I/O	1 Bit	I/O object type: default 1 bit
+ Presensce(Basic)	Default gate after startup	None	Default door after startup: default None
+ Presence 1	1) Gate trigger scene	NO.1	1) Door trigger scene: default NO.1
+ Brightness	Input A send on	Output A	A Output Send : Default Output A
+ Bed(Basic)	Input B send on	Output B	B Output Send : Default Output B
+ Bed(Advanced)	Input C send on	Output C	C Output Send : Default Output C
+ Area(Basic)	Input D send on	Output D	D Output Send : Default Output D
+ Area(Advanced)	2) Gate trigger scene	None	
+ Falldown	3) Gate trigger scene	None	
+ Event Group	4) Gate trigger scene	None	
- Logic Group	5) Gate trigger scene	None	2~8 door trigger scene: default None
	6) Gate trigger scene	None	
	7) Gate trigger scene	None	
	8) Gate trigger scene	None	

Logic Function 1

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	Threshold Compare	Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND
Event & Logic	Threshold data type	4 Bit	Threshold data type: default 4bit
+ Presensce(Basic)	Threshold value(0-15)	10	Threshold: Settable 0~15 , default 10
+ Presence 1	If Object value < Threshold value	Send value "0"	If the target value < threshold: default sending value '0'
+ Brightness	If Object value > Threshold value	Send value "1"	If the target value > threshold: default sending value '1'
+ Bed(Basic)	If Object value == Threshold value	No action	If the target value = threshold : Default no action
+ Bed(Advanced)	Output send when	☒ Each one new telegram ☐ Every change in output	Output sending time: each new message Every change
+ Area(Basic)	Support delay in output	☒ No ☐ Yes	Whether to support output delay
+ Area(Advanced)			
+ Falldown			
+ Event Group			
- Logic Group			
Logic Function 1			

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Bed(Basic)

+ Bed(Advanced)

+ Area(Basic)

+ Area(Advanced)

+ Falldown

+ Event Group

- Logic Group

Logic Function

Format convert type

Output send when

Format Convert

2x1Bit --> 1x2Bit

- ☒ Each one new telegram
☐ Every change in output

Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND

Format conversion type: default 2 × 1bit ➡ 1 × 2 bit

Output sending time: each new message
Every change

Logic Function 1

PIR Motion Sensor (infrared)

Illustrated Manual of Basic Parameters

General

1.1.- Presence & motion detector > General

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Event Group

+ Logic Group

"On-Line" telegram

☒ Disable ☐ Enable

Heartbeat packet function: indicates whether the device is working properly and not dead. Default: Disable

Device option

Application type

Motion

Device type: can be set to Motion, Presence, Ranging, Health respectively. Select according to the type of sensor installed, default Health sensor

LED indicator

Breath

LED indicator: Can be set to None, Breath, Night light respectively.

Advanced application

1. Presence detector

☐ Disable ☒ Enable

2. Presence detector

☒ Disable ☐ Enable

3. Presence detector

☒ Disable ☐ Enable

4. Presence detector

☒ Disable ☐ Enable

Presence detection (1~4) : Independent Presence output, freely choose to turn on / off

Extended function

Extended function

☒ Disable ☐ Enable

Extended function: Enable / Disable

Event& Logic

1.1.- Presence & motion detector > Event & Logic

General

Event & Logic

+ Presense(Basic)

+ Presence 1

+ Brightness

+ Event Group

+ Logic Group

Event Group

Event object 1

Event object 2

Event object 3

Event object 4

Logic Group

Logic function 1

Logic function 2

Logic function 3

Logic function 4

☐ Disable ☒ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

☐ Disable ☒ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

Event object (1~4): Independent Event output, Enable / Disable

Logic function (1~4): Independent Logic output, Enable / Disable

Presence(Basic)-Setting

1.1.- Presence & motion detector > Presence(Basic) > Setting

General	Overwrite setting for download	☐ No ☒ Yes	Overwrite download settings: This parameter mainly considers whether the parameters changed by the remote control are overwritten by the currently downloaded ETS parameters.
Event & Logic	Detection Sensitivity (0..100)%	50	Detection sensitivity: 0~100% configurable, default 50%
Presence(Basic)	Detection confirm time (0..100)*0.1s	0	Presence confirmation time : that is, how long it takes to output the presence state after the presence is detected . Unit 0.1 s(100ms) , 0~100ms configurable
Setting			
Easy control			
+ Presence 1			
+ Brightness			
+ Event Group			
+ Logic Group			

Presence(Basic)-Easy control

1.1.- Presence & motion detector > Presensce(Basic) > Easy control

General	Application	☐ Inactive ☒ Detector	Application: default Detector output
Event & Logic	Object type for output	1 bit	Output object type: default 1 bit
Presensce(Basic)	Value for switch-on	☐ Off ☒ On	Switch-On action output value configuration
Setting	Send value for switch-on cyclic	☒ No ☐ Yes	Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes
Easy control	Value for switch-off	☒ Off ☐ On	Switch-Off action output value configuration
+ Presence 1	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
+ Brightness			
+ Event Group			
+ Logic Group			

Presence-Common parameter

1.1.- Presence & motion detector > Presence 1 > Common parameter

General

Event & Logic

+ Presense(Basic)

- Presence 1

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Event Group

+ Logic Group

Detector's event

Presence

i

Note: Presence = Motionless + Motion

Type of output

☒ Master

☐ Slave

Input slave

☒ Disable

☐ Enable

Object type for output

1 bit

Output object send at

Switch On/Off

Value for switch-on

☐ Off

☒ On

Send value for switch-on cyclic

☒ No

☐ Yes

Value for switch-off

☒ Off

☐ On

Send value for switch-off cyclic

☒ No

☐ Yes

Light-on time

00:00:10

hh:mm:ss

Detection method: Default Presence(Presence) output, optional Motion(Motion) , Motionless(Still , Motion sensing does not have this function)

Output type: Default Master

Slave input: Default Disable

Output type: Default 1 bit

Output mode: Output On or Off selection,

Switch-On action output value configuration

Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes

Switch-Off action output value configuration

Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes

Switch on holding time, which is Switch off delay output time, delay output after the corresponding event is not detected Switch off time , default 10 s

Presence-Extended parameter

1.1.- Presence & motion detector > Presence 1 > Extended parameter

General	Operating mode	Automatic	Working mode, default Automatic
Event & Logic	Use object for switch-off delay	☒ Disable ☐ Enable	Whether to enable the object whose adjustable Switch off delay output time can be enabled. If enabled, the delay time can be adjusted through the object
+ Presence(Basic)	Use object for test mode	☒ Disable ☐ Enable	Whether to enable the object that can enter or exit the test mode. Through this object, the corresponding function unit can enter the test module or exit the test module
- Presence 1	Use object for actuator status	☒ Disable ☐ Enable	Whether to enable the object that receives the actuator status feedback, so that the function unit can suspend the function in a targeted manner to avoid accidental triggering
Common parameter	Use object for manual status	☒ Disable ☐ Enable	Whether to enable the object that outputs the "manual mode" status
Extended parameter	Pause time	00.100 ss.fff	This parameter setting involves Switch off The output causes sudden changes in the environment, which may cause false detection of the sensor. You can set it according to the actual situation Pause time , Avoid false detection time period
Night-mode parameter	Overwrite setting for download	☒ No ☐ Yes	Overwrite download Settings: This parameter mainly considers the parameters changed by the remote control, whether it is downloaded by the current download ETS Parameter coverage processing
Brightness parameter			
External push-button			
Enable			
+ Brightness			
+ Event Group			
+ Logic Group			

Presence-Night-mode parameter

1.1.- Presence & motion detector > Presence 1 > Night-mode parameter

General

Use object for night mode

☐ Disable ☒ Enable

Use object for Night mode

Event & Logic

Night mode is activated with

☐ Off telegram ☒ On telegram

Configuration options for the event when the group object receives a value to trigger Switch-On event, and vice versa Switch-Off event

+ Presence(Basic)

Mode status after power reset

Normal mode

Mode status after power reset: Normal mode (Normal mode), Night mode (Night mode), As before reset (Same as before reset), default Normal mode

- Presence 1

Value for switch-on

☐ Off ☒ On

Switch-On Action Night mode output value configuration

Common parameter

Value for switch-off

☒ Off ☐ On

Night mode output value configuration when Switch-Off action is performed

Extended parameter

i Note: setting value here as output parameter for night mode

Note: The value set here is the output parameter of the night mode

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Event Group

+ Logic Group

Presence-Brightness parameter

1.1.- Presence & motion detector > Presence 1 > Brightness parameter

General

Used brightness

Internal or External

Illuminance setting: You can select internal, external, internal and external combined illuminance values, the default illuminance is not linked

Event & Logic

Use object for detection independent of brightness

☒ Disable ☐ Enable

Whether to enable the object that controls the "illuminance" condition. This object can be used to disable the illuminance condition control, that is, the illuminance is not judged, and the Switch-On action is executed as long as there are people or movement conditions

+ Presense(Basic)

Use object for internal brightness threshold

☒ Disable ☐ Enable

Whether to enable the object that adjusts the internal "illuminance" control threshold. This object can be used to adjust the internal illuminance control threshold

- Presence 1

Brightness threshold internal(lux)

400

Internal brightness threshold: default 400 lux

Common parameter

Use object for external brightness threshold

☒ Disable ☐ Enable

Whether to open the object that adjusts the threshold of external "illuminance" control. The external illuminance control threshold is adjusted through this object

Extended parameter

Brightness threshold external(lux)

256

External brightness threshold: default 256 lux

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Event Group

+ Logic Group

Presence-External push-button

1.1.- Presence & motion detector > Presence 1 > External push-button

General

Use object for external push-button

☐ Disable ☒ Enable

Whether to enable the group object that receives "external button" . The external button event is received through this group object to trigger Switch-On or Switch-Off event

Event & Logic

External button switch-on with

☐ Off telegram ☒ On telegram

Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event

+ Presensce(Basic)

Use object for manual operation

☐ Disable ☒ Enable

This option configures whether to enable the group object that switches " manual mode " . If enabled, you can switch between "manual mode" and "automatic mode" through this object. If you switch to manual mode, the corresponding function unit will not run automatically, but will be controlled by external key input

- Presence 1

Manual mode is activated with

☐ Off telegram ☒ On telegram

Configuration options for the group object to enter manual mode when receiving a message, and vice versa to exit manual mode

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Event Group

+ Logic Group

Presence-Enable

1.1.- Presence & motion detector > Presence 1 > Enable

General

Event & Logic

+ Presence(Basic)

- Presence 1

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Event Group

+ Logic Group

Use object for enabling detector

☐ Disable ☒ Enable

Enable with

☐ Off telegram ☒ On telegram

Device status after power reset

Enabled ▼

Output send at enable

Current status ▼

Output send at block

Off after the light-on time ▼

This option configures whether to enable the "Enable or Disable" function unit object, which can control whether the function unit is "enabled" or "disabled" function to achieve the purpose of temporarily closing the function unit.

Configure the "Enable or Disable" function unit object to receive what message to enable the function unit, and vice versa

Device status after power reset: disabled, enabled, same as before reset, enabled by default

Configuration options for outputting related actions when the function unit changes from disabled to enabled state

Configuration options for outputting related actions when the function unit changes from enabled to disabled state

Brightness-Common parameter

1.1.- Presence & motion detector > Brightness > Common parameter

General	Application	☐ Inactive ☒ Brightness Detection	Application: Whether to enable brightness detection, default Inactive
Event & Logic	Output control function	☐ Disable ☒ Enable	Output control function: Disabled by default
+ Presence(Basic)	Send internal brightness	☐ Disable ☒ Enable	Send internal brightness: Default Disabled
+ Presence 1	Brightness difference for immediate transmission(1..255, 0:Disable)	10	Instantaneous transmitted brightness difference: 1~255 configurable. 0 is disabled, default 10
- Brightness	Report interval for brightness (1..255, 0:Disable)*1s	0	Brightness reporting interval: 1~255s configurable. Default 0 (Disabled)
Common parameter	Data type of brightness	☐ Value in lux(DPT 7.013) ☒ Float value in lux(DPT 9.004)	Brightness data type: Lux value Floating point value in Lux
Control parameter	Correction of internal brightness(Lux)	0	Internal brightness correction: -100~100Lux adjustable
+ Event Group			
+ Logic Group			

Brightness-Control parameter

1.1.- Presence & motion detector > Brightness > Control parameter

General	Threshold	
Event & Logic	Brightness threshold for switch-off	1000 Light intensity threshold for turning off: Default 1000 lux
+ Presence(Basic)	Brightness threshold for switch-on	350 Light intensity threshold for turning on: Default 350 lux
+ Presence 1	Output	
- Brightness	Object type for output	1bit Object output type: Default 1 bit
Common parameter	Value for switch-on	☐ Off ☒ On Switch-On action output value configuration
Control parameter	Value for switch-off	☒ Off ☐ On Switch-On action output value configuration
+ Event Group		
+ Logic Group		

Event Group-Event Object

1.1.- Presence & motion detector > Event Group > Event Object 1

General	Object type of output	1 Bit	Output type: Default 1 bit
Event & Logic	Mutual exclusion between scene	☒ Disable ☐ Enable	Mutual Exclusion Between Scenes: Default Disable
+ Presensce(Basic)	1. Trigger scene (1-64,0-Disable)	1	Trigger Scene 1 : Settable Range 1~64 , 0 is Disable, Default 1
+ Presence 1	Object Value (0-1)	0	Object Value: 0 or 1
- Brightness	Delay time (0-255)*0.1s	0	Delay Time: Value *0.1s , Default 0
Common parameter	2. Trigger scene (1-64,0-Disable)	0	
- Event Group	3. Trigger scene (1-64,0-Disable)	0	
Event Object 1	4. Trigger scene (1-64,0-Disable)	0	
	5. Trigger scene (1-64,0-Disable)	0	Trigger Scene 2~8 : Settable Range 1~64 , 0 is Disable, Default 0
	6. Trigger scene (1-64,0-Disable)	0	
	7. Trigger scene (1-64,0-Disable)	0	
+ Logic Group	8. Trigger scene (1-64,0-Disable)	0	

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	AND	Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND
Event & Logic	Input A	Normal	Output A : Settable Disable, Normal, Reverse, Default Normal
+ Presensce(Basic)	Default value	0	Default Value: 0
+ Presence 1	Input B	Normal	Output B : Set to disable, normal, reverse, default normal
+ Brightness	Default value	0	Default Value: 0
+ Event Group	Input C	Disable	Output C~H : Settable Disable, Normal, Reverse, Default Disable
- Logic Group	Input D	Disable	
	Input E	Disable	
	Input F	Disable	
	Input G	Disable	Whether the result is the opposite
	Input H	Disable	
	Inverted in result	☒ No ☐ Yes	Output sending time: each new message Every change
	Output send when	☒ Each one new telegram ☐ Every change in output	Whether to support output delay
	Support delay in output	☒ No ☐ Yes	

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	Gate Transfer	Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND
Event & Logic	Object type of I/O	1 Bit	I/O object type: default 1 bit
+ Presensce(Basic)	Default gate after startup	None	Default door after startup: default None
+ Presence 1	1) Gate trigger scene	NO.1	1) Door trigger scene: default NO.1
+ Brightness	Input A send on	Output A	A Output Send : Default Output A
+ Event Group	Input B send on	Output B	B Output Send : Default Output B
- Logic Group	Input C send on	Output C	C Output Send : Default Output C
	Input D send on	Output D	D Output Send : Default Output D
	2) Gate trigger scene	None	
	3) Gate trigger scene	None	
	4) Gate trigger scene	None	
	5) Gate trigger scene	None	2~8 door trigger scene: default None
	6) Gate trigger scene	None	
	7) Gate trigger scene	None	
	8) Gate trigger scene	None	

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Event Group

- Logic Group

Logic Function 1

Logic Function

Threshold Compare

Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND

Threshold data type

4 Bit

Threshold date type: default 4bit

Threshold value(0-15)

10

Threshold: Settable 0~15 , default 10

If Object value < Threshold value

Send value "0"

If the target value < threshold: default sending value '0'

If Object value > Threshold value

Send value "1"

If the target value > threshold: default sending value '1'

If Object value == Threshold value

No action

If the target value = threshold : Default no action

Output send when

☒ Each one new telegram
☐ Every change in output

Output sending time: each new message
Every change

Support delay in output

☒ No ☐ Yes

Whether to support output delay

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	Format Convert	Logical function: AND, OR, XOR, gate transfer, threshold comparison, format conversion can be set, default AND
Event & Logic	Format convert type	2x1Bit --> 1x2Bit	Format conversion type: default 2 × 1bit ➔ 1 × 2 bit
+ Presence(Basic)	Output send when	☒ Each one new telegram ☐ Every change in output	Output sending time: each new message Every change
+ Presence 1			
+ Brightness			
+ Event Group			
- Logic Group			

Logic Function 1

24G Presence sensing (Radar)

Illustrated Manual of Basic Parameters

General

1.1.- Presence & motion detector > General

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Event Group

+ Logic Group

"On-Line" telegram

☒ Disable ☐ Enable

Heartbeat packet function: indicates whether the device is working properly and not dead. Default: Disable

Device option

Application type

Presence ▼

Device type: can be set to Motion, Presence, Ranging, Health respectively. Select according to the type of sensor installed, default Health sensor

LED indicator

Breath ▼

LED indicator: Can be set to None, Breath, Night light respectively.

Advanced application

1. Presence detector

☐ Disable ☒ Enable

2. Presence detector

☒ Disable ☐ Enable

3. Presence detector

☒ Disable ☐ Enable

4. Presence detector

☒ Disable ☐ Enable

Presence detection (1~4) : Independent Presence output, freely choose to turn on / off

Extended function

Extended function

☒ Disable ☐ Enable

Extended function: Enable / Disable

Event& Logic

1.1.- Presence & motion detector > Event & Logic

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Event Group

+ Logic Group

Event Group

Event object 1

Event object 2

Event object 3

Event object 4

Logic Group

Logic function 1

Logic function 2

Logic function 3

Logic function 4

☐ Disable ☒ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

☐ Disable ☒ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

☒ Disable ☐ Enable

Event object (1~4): Independent Event output, Enable / Disable

Logic function (1~4): Independent Logic output, Enable / Disable

Presence(Basic)-Setting

1.1.- Presence & motion detector > Presensce(Basic) > Setting

General	Overwrite setting for download	☐ No ☒ Yes	Overwrite download settings: This parameter mainly considers whether the parameters changed by the remote control are overwritten by the currently downloaded ETS parameters.
Event & Logic	Detection Sensitivity (0..100)%	50	Detection sensitivity: 0~100% configurable, default 50%
Presensce(Basic)	Distance (0..100)%	100	Distance: 0~100% configurable, default 100%
Setting	Detection confirm time (0..100)*0.1s	0	Presence confirmation time : that is, how long it takes to output the presence state after the presence is detected . Unit 0.1s(100ms) , 0~100ms configurable
Easy control			
+ Presence 1			
+ Brightness			
+ Event Group			
+ Logic Group			

Presence(Basic)-Easy control

1.1.- Presence & motion detector > Presensce(Basic) > Easy control

General	Application	☐ Inactive ☒ Detector	Application: default Detector output
Event & Logic	Object type for output	1 bit	Output object type: default 1 bit
Presensce(Basic)	Value for switch-on	☐ Off ☒ On	Switch-On action output value configuration
Setting	Send value for switch-on cyclic	☒ No ☐ Yes	Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes
Easy control	Value for switch-off	☒ Off ☐ On	Switch-Off action output value configuration
	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
+ Presence 1			
+ Brightness			
+ Event Group			
+ Logic Group			

Presence-Common parameter

1.1.- Presence & motion detector > Presence 1 > Common parameter

General	Detector's event	Presence	Detection method: Default Presence (Presence) Output, optional Motion(Movement) , Motionless(Still)
Event & Logic	Note: Presence = Motionless + Motion		
+ Presensce(Basic)	Type of output	☒ Master ☐ Slave	Output type: Default Master
- Presence 1	Input slave	☒ Disable ☐ Enable	Slave input: Default Disable
Common parameter	Object type for output	1 bit	Output type: Default 1 bit
Extended parameter	Output object send at	Switch On/Off	Output mode: Output On or Off selection,
Night-mode parameter	Value for switch-on	☐ Off ☒ On	Switch-On action output value configuration
Brightness parameter	Send value for switch-on cyclic	☒ No ☐ Yes	Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes
External push-button	Value for switch-off	☒ Off ☐ On	Switch-Off action output value configuration
Enable	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
+ Brightness	Light-on time	00:00:10 hh:mm:ss	Switch on holding time, which is the Switch off delay output time, the time to delay the output of Switch off after the related event is not detected
+ Event Group			
+ Logic Group			

Presence-Extended parameter

1.1.- Presence & motion detector > Presence 1 > Extended parameter

General	Operating mode	Automatic	Working mode, default Automatic
Event & Logic	Use object for switch-off delay	☒ Disable ☐ Enable	Whether to enable the object whose adjustable Switch off delay output time can be enabled. If enabled, the delay time can be adjusted through the object
+ Presence(Basic)	Use object for test mode	☒ Disable ☐ Enable	Whether to enable the object that can enter or exit the test mode. Through this object, the corresponding function unit can enter the test module or exit the test module
- Presence 1	Use object for actuator status	☒ Disable ☐ Enable	Whether to enable the object that receives the actuator status feedback, so that the function unit can suspend the function in a targeted manner to avoid accidental triggering
Common parameter	Use object for manual status	☒ Disable ☐ Enable	Whether to enable the object that outputs the "manual mode" status
Extended parameter	Pause time	00.100 ss.fff	This parameter setting involves Switch off The output causes sudden changes in the environment, which may cause false detection of the sensor. You can set it according to the actual situation Pause time , Avoid false detection time period
Night-mode parameter	Overwrite setting for download	☒ No ☐ Yes	Overwrite download Settings: This parameter mainly considers the parameters changed by the remote control, whether it is downloaded by the current download ETS Parameter coverage processing
Brightness parameter			
External push-button			
Enable			
+ Brightness			
+ Event Group			
+ Logic Group			

Presence-Night-mode parameter

1.1.- Presence & motion detector > Presence 1 > Night-mode parameter

General	Use object for night mode	☐ Disable ☒ Enable	Use object for Night mode
Event & Logic	Night mode is activated with	☐ Off telegram ☒ On telegram	Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event
+ Presence(Basic)	Mode status after power reset	Normal mode	Mode status after power reset: Normal mode (Normal mode), Night mode (Night mode), As before reset (Same as before reset), default Normal mode
- Presence 1	Value for switch-on	☐ Off ☒ On	Switch-On Action Night mode output value configuration
Common parameter	Value for switch-off	☒ Off ☐ On	Night mode output value configuration when Switch-Off action is performed
Extended parameter	Note: setting value here as output parameter for night mode		Note: The value set here is the output parameter of the night mode
Night-mode parameter			
Brightness parameter			
External push-button			
Enable			
+ Brightness			
+ Event Group			
+ Logic Group			

Presence-Brightness parameter

1.1.- Presence & motion detector > Presence 1 > Brightness parameter

General	Used brightness	Internal or External	Illuminance setting: You can select internal, external, internal and external combined illuminance values, the default illuminance is not linked Whether to turn on the object controlled by the "illuminance" condition. Through this object, the illuminance condition control can be turned off, that is, the illuminance is not judged, and the Switch-On action is executed as long as there are people or moving conditions. Whether to open the internal "illuminance" control threshold adjustment object, adjust the internal illuminance control threshold through this object.
Event & Logic	Use object for detection independent of brightness	☒ Disable ☐ Enable	
+ Presense(Basic)	Use object for internal brightness threshold	☒ Disable ☐ Enable	
- Presence 1	Brightness threshold internal(lux)	400	
Common parameter	Use object for external brightness threshold	☒ Disable ☐ Enable	Whether to open the external "illuminance" control threshold adjustment object, adjust the external illuminance control threshold through this object.
Extended parameter	Brightness threshold external(lux)	256	
Night-mode parameter			
Brightness parameter			
External push-button			
Enable			
+ Brightness			
+ Event Group			
+ Logic Group			

Presence-External push-button

1.1.- Presence & motion detector > Presence 1 > External push-button

General

Use object for external push-button

☐ Disable ☒ Enable

Whether to enable the group object that receives "external button" . The external button event is received through this group object to trigger Switch-On or Switch-Off event

Event & Logic

External button switch-on with

☐ Off telegram ☒ On telegram

Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event

+ Presencc(Basic)

Use object for manual operation

☐ Disable ☒ Enable

This option configures whether to enable the group object that switches " manual mode " . If enabled, you can switch between "manual mode" and "automatic mode" through this object. If you switch to manual mode, the corresponding function unit will not run automatically, but will be controlled by external key input

- Presence 1

Manual mode is activated with

☐ Off telegram ☒ On telegram

Configuration options for the group object to enter manual mode when receiving a message, and vice versa to exit manual mode

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Event Group

+ Logic Group

Presence-Enable

1.1.- Presence & motion detector > Presence 1 > Enable

General

Event & Logic

+ Presence(Basic)

- Presence 1

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Event Group

+ Logic Group

Use object for enabling detector

☐ Disable ☒ Enable

Enable with

☐ Off telegram ☒ On telegram

Device status after power reset

Enabled ▼

Output send at enable

Current status ▼

Output send at block

Off after the light-on time ▼

This option configures whether to enable the "Enable or Disable" function unit object, which can control whether the function unit is "enabled" or "disabled" function to achieve the purpose of temporarily closing the function unit.

Configure the "Enable or Disable" function unit object to receive what message to enable the function unit, and vice versa

Device status after power reset: disabled, enabled, same as before reset, enabled by default

Configuration options for outputting related actions when the function unit changes from disabled to enabled state

Configuration options for outputting related actions when the function unit changes from enabled to disabled state

Brightness-Common parameter

1.1.- Presence & motion detector > Brightness > Common parameter

General	Application	☐ Inactive ☒ Brightness Detection	Application: Whether to enable brightness detection, default Inactive
Event & Logic	Output control function	☐ Disable ☒ Enable	Output control function: Disabled by default
+ Presence(Basic)	Send internal brightness	☐ Disable ☒ Enable	Send internal brightness: Default Disabled
+ Presence 1	Brightness difference for immediate transmission(1..255, 0:Disable)	10	Instantaneous transmitted brightness difference: 1~255 configurable. 0 is disabled, default 10
- Brightness	Report interval for brightness (1..255, 0:Disable)*1s	0	Brightness reporting interval: 1~255s configurable. Default 0 (Disabled)
Common parameter	Data type of brightness	☐ Value in lux(DPT 7.013) ☒ Float value in lux(DPT 9.004)	Brightness data type: Lux value Floating point value in Lux
Control parameter	Correction of internal brightness(Lux)	0	Internal brightness correction: -100~100Lux adjustable
+ Event Group			
+ Logic Group			

Brightness-Control parameter

1.1.- Presence & motion detector > Brightness > Control parameter

General	Threshold	
Event & Logic	Brightness threshold for switch-off	1000 Light intensity threshold for turning off: Default 1000 lux
+ Presence(Basic)	Brightness threshold for switch-on	350 Light intensity threshold for turning on: Default 350 lux
+ Presence 1	Output	
- Brightness	Object type for output	1bit Object output type: Default 1 bit
Common parameter	Value for switch-on	☐ Off ☒ On Switch-On action output value configuration
Control parameter	Value for switch-off	☒ Off ☐ On Switch-On action output value configuration
+ Event Group		
+ Logic Group		

Event Group-Event Object

1.1.- Presence & motion detector > Event Group > Event Object 1

General	Object type of output	1 Bit	Output type: Default 1 bit
Event & Logic	Mutual exclusion between scene	☒ Disable ☐ Enable	Mutual Exclusion Between Scenes: Default Disable
+ Presensce(Basic)	1. Trigger scene (1-64,0-Disable)	1	Trigger Scene 1 : Settable Range 1~64 , 0 is Disable, Default 1
+ Presence 1	Object Value (0-1)	0	Object Value: 0 or 1
— Brightness	Delay time (0-255)*0.1s	0	Delay Time: Value *0.1s , Default 0
Common parameter	2. Trigger scene (1-64,0-Disable)	0	
— Event Group	3. Trigger scene (1-64,0-Disable)	0	
Event Object 1	4. Trigger scene (1-64,0-Disable)	0	
	5. Trigger scene (1-64,0-Disable)	0	Trigger Scene 2~8 : Settable Range 1~64 , 0 is Disable, Default 0
	6. Trigger scene (1-64,0-Disable)	0	
	7. Trigger scene (1-64,0-Disable)	0	
+ Logic Group	8. Trigger scene (1-64,0-Disable)	0	

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	AND	Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND
Event & Logic	Input A	Normal	Output A : Settable Disable, Normal, Reverse, Default Normal
+ Presensce(Basic)	Default value	0	Default Value: 0
+ Presence 1	Input B	Normal	Output B : Set to disable, normal, reverse, default normal
+ Brightness	Default value	0	Default Value: 0
+ Event Group	Input C	Disable	Output C~H : Settable Disable, Normal, Reverse, Default Disable
- Logic Group	Input D	Disable	
	Input E	Disable	
	Input F	Disable	
	Input G	Disable	Whether the result is the opposite
	Input H	Disable	
	Inverted in result	☒ No ☐ Yes	Output sending time: each new message Every change
	Output send when	☒ Each one new telegram ☐ Every change in output	Whether to support output delay
	Support delay in output	☒ No ☐ Yes	

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	Gate Transfer	Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND
Event & Logic	Object type of I/O	1 Bit	I/O object type: default 1 bit
+ Presensce(Basic)	Default gate after startup	None	Default door after startup: default None
+ Presence 1	1) Gate trigger scene	NO.1	1) Door trigger scene: default NO.1
+ Brightness	Input A send on	Output A	A Output Send : Default Output A
+ Event Group	Input B send on	Output B	B Output Send : Default Output B
- Logic Group	Input C send on	Output C	C Output Send : Default Output C
	Input D send on	Output D	D Output Send : Default Output D
	2) Gate trigger scene	None	
	3) Gate trigger scene	None	
	4) Gate trigger scene	None	
	5) Gate trigger scene	None	2~8 door trigger scene: default None
	6) Gate trigger scene	None	
	7) Gate trigger scene	None	
	8) Gate trigger scene	None	

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Event Group

- Logic Group

Logic Function 1

Logic Function

Threshold Compare

Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND

Threshold data type

4 Bit

Threshold date type: default 4bit

Threshold value(0-15)

10

Threshold: Settable 0~15 , default 10

If Object value < Threshold value

Send value "0"

If the target value < threshold: default sending value '0'

If Object value > Threshold value

Send value "1"

If the target value > threshold: default sending value '1'

If Object value == Threshold value

No action

If the target value = threshold : Default no action

Output send when

☒ Each one new telegram
☐ Every change in output

Output sending time: each new message
Every change

Support delay in output

☒ No ☐ Yes

Whether to support output delay

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	Format Convert	Logical function: AND, OR, XOR, gate transfer, threshold comparison, format conversion can be set, default AND
Event & Logic	Format convert type	2x1Bit --> 1x2Bit	Format conversion type: default 2 × 1bit ➔ 1 × 2 bit
+ Presence(Basic)	Output send when	☒ Each one new telegram ☐ Every change in output	Output sending time: each new message Every change
+ Presence 1			
+ Brightness			
+ Event Group			
- Logic Group			

Logic Function 1

ToF Distance &Occupancy Sensor

Illustrated Manual of Basic Parameters

General

1.1.- Presence & motion detector > General

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

+ Segment(Advanced)

+ Event Group

+ Logic Group

"On-Line" telegram

☒ Disable ☐ Enable

Heartbeat packet function: indicates whether the device is working properly and not dead. Default: Disable

Device option

Application type

Ranging ▼

Device type: can be set to Motion, Presence, Ranging, Health respectively. Select according to the type of sensor installed, default Health sensor

LED indicator

Breath ▼

LED indicator: Can be set to None, Breath, Night light respectively.

Advanced application

1. Presence detector

☐ Disable ☒ Enable

2. Presence detector

☒ Disable ☐ Enable

3. Presence detector

☒ Disable ☐ Enable

4. Presence detector

☒ Disable ☐ Enable

5. Target detector

☐ Disable ☒ Enable

6. Segment detector

☐ Disable ☒ Enable

Presence detection (1~4) : Independent Presence output, freely choose to turn on / off

Target detection: Independent selection on / off

Segmented detection: Independent selection on / off

Extended function

Extended function

☒ Disable ☐ Enable

Extended function: Enable / Disable

Event& Logic

1.1.- Presence & motion detector > Event & Logic

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

+ Segment(Advanced)

+ Event Group

+ Logic Group

Event Group

Event object 1

☐ Disable ☒ Enable

Event object 2

☒ Disable ☐ Enable

Event object 3

☒ Disable ☐ Enable

Event object 4

☒ Disable ☐ Enable

Logic Group

Logic function 1

☐ Disable ☒ Enable

Logic function 2

☒ Disable ☐ Enable

Logic function 3

☒ Disable ☐ Enable

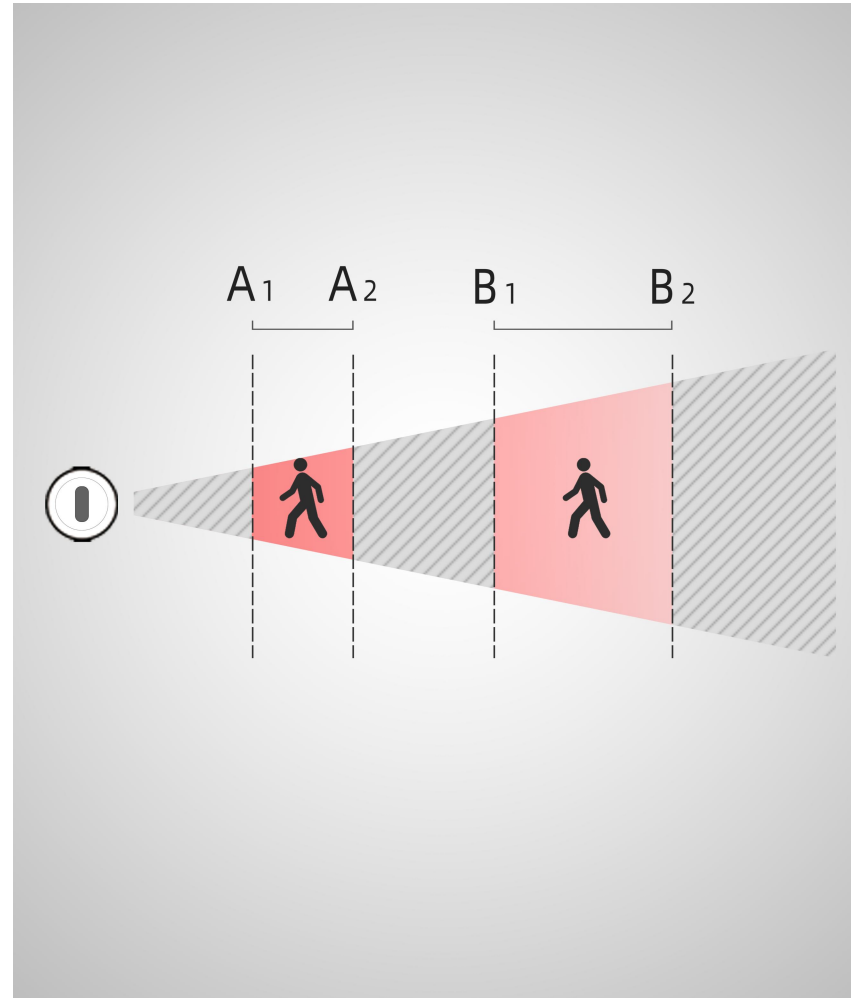
Logic function 4

☒ Disable ☐ Enable

Event object (1~4): Independent Event output, Enable / Disable

Logic function (1~4): Independent Logic output, Enable / Disable

A/B segment distance setting schematic diagram



Presence(Basic)-Setting

1.1.- Presence & motion detector > Presensce(Basic) > Setting

General

Event & Logic

Presensce(Basic)

Setting

Easy control

+ Presence 1

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

+ Segment(Advanced)

+ Event Group

+ Logic Group

Overwrite setting for download

☐ No ☒ Yes

Overwrite download settings: This parameter mainly considers whether the parameters changed by the remote control are overwritten by the currently downloaded ETS parameters.

|<--- A --->|

Start-point of A segment (0..10000)cm

0

A segment start distance : 0~10000cm configurable, default 0

End-point of A segment (0..10000)cm

120

A segment end distance : 0~10000cm configurable, default 120 , which is 1.2m

|<--- B --->|

Start-point of B segment (0..10000)cm

0

B segment start distance : 0~10000cm configurable, default 0

End-point of B segment (0..10000)cm

0

B End distance of section : 0~10000cm Configurable, default 0

Detection confirm time (0..100)*0.1s

0

Presence confirmation time : that is, how long it takes to output the presence state after the presence is detected . Unit 0.1s(100 ms) , 0~100ms Configurable

Presence(Basic)-Easy control

1.1.- Presence & motion detector > Presensce(Basic) > Easy control

General	Application	☐ Inactive ☒ Detector	Application: default Detector output
Event & Logic	Object type for output	1 bit	Output object type: default 1 bit
Presensce(Basic)	Value for switch-on	☐ Off ☒ On	Switch-On action output value configuration
Setting	Send value for switch-on cyclic	☒ No ☐ Yes	Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes
Easy control	Value for switch-off	☒ Off ☐ On	Switch-Off action output value configuration
	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
+ Presence 1			
+ Brightness			
+ Target(Basic)			
+ Target(Advanced)			
+ Segment(Basic)			
+ Segment(Advanced)			
+ Event Group			
+ Logic Group			

Presence-Common parameter

1.1.- Presence & motion detector > Presence 1 > Common parameter

General	Detector's event	Presence	Detection method: Default Presence (Presence) Output, optional Motion(Movement) , Motionless(Still)
Event & Logic	Note: Presence = Motionless + Motion		
+ Presence(Basic)	Type of output	☒ Master ☐ Slave	Output type: Default Master
- Presence 1	Input slave	☒ Disable ☐ Enable	Slave input: Default Disable
Common parameter	Object type for output	1 bit	Output type: Default 1 bit
Extended parameter	Output object send at	Switch On/Off	Output mode: Output On or Off selection,
Night-mode parameter	Value for switch-on	☐ Off ☒ On	Switch-On action output value configuration
Brightness parameter	Send value for switch-on cyclic	☒ No ☐ Yes	Whether the output value of Switch-On is cycled , the option " No " means that it is output only once when the state changes
External push-button	Value for switch-off	☒ Off ☐ On	Switch-Off action output value configuration
Enable	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
+ Brightness	Light-on time	00:00:10 hh:mm:ss	Switch on time Hold time, which is Switch off Delay output time, delay output after the relevant event is not detected Switch off Time , Default 10 s
+ Target(Basic)			
+ Target(Advanced)			
+ Segment(Basic)			
+ Segment(Advanced)			

Presence-Extended parameter

1.1.- Presence & motion detector > Presence 1 > Extended parameter

General	Operating mode	Automatic	Working mode, default Automatic
Event & Logic	Use object for switch-off delay	☒ Disable ☐ Enable	Whether to enable the object whose adjustable Switch off delay output time can be enabled. If enabled, the delay time can be adjusted through the object
+ Presensce(Basic)	Use object for test mode	☒ Disable ☐ Enable	Whether to enable the object that can enter or exit the test mode. Through this object, the corresponding function unit can enter the test module or exit the test module
- Presence 1	Use object for actuator status	☒ Disable ☐ Enable	Whether to enable the object that receives the actuator status feedback, so that the function unit can suspend the function in a targeted manner to avoid accidental triggering
Common parameter	Use object for manual status	☒ Disable ☐ Enable	Whether to enable the object that outputs the "manual mode" status
Extended parameter	Pause time	00.100 ss.fff	This parameter setting involves Switch off The output causes sudden changes in the environment, which may cause false detection of the sensor. You can set it according to the actual situation Pause time , Avoid false detection time period
Night-mode parameter	Overwrite setting for download	☒ No ☐ Yes	Overwrite download Settings: This parameter mainly considers the parameters changed by the remote control, whether it is downloaded by the current download ETS Parameter coverage processing
Brightness parameter			
External push-button			
Enable			
+ Brightness			
+ Target(Basic)			
+ Target(Advanced)			
+ Segment(Basic)			

Presence-Night-mode parameter

1.1.- Presence & motion detector > Presence 1 > Night-mode parameter

General	Use object for night mode	☐ Disable ☒ Enable	Use object for Night mode
Event & Logic	Night mode is activated with	☐ Off telegram ☒ On telegram	Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event
+ Presence(Basic)	Mode status after power reset	Normal mode	Mode status after power reset: Normal mode (Normal mode), Night mode (Night mode), As before reset (Same as before reset), default Normal mode
- Presence 1	Value for switch-on	☐ Off ☒ On	Switch-On Action Night mode output value configuration
Common parameter	Value for switch-off	☒ Off ☐ On	Night mode output value configuration when Switch-Off action is performed
Extended parameter	 Note: setting value here as output parameter for night mode		Note: The value set here is the output parameter of the night mode
Night-mode parameter			
Brightness parameter			
External push-button			
Enable			
+ Brightness			
+ Target(Basic)			
+ Target(Advanced)			

Presence-Brightness parameter

1.1.- Presence & motion detector > Presence 1 > Brightness parameter

General

Event & Logic

+ Presensce(Basic)

- Presence 1

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

Used brightness

Internal or External

Use object for detection independent of brightness

☒ Disable ☐ Enable

Use object for internal brightness threshold

☒ Disable ☐ Enable

Brightness threshold internal(lux)

400

Use object for external brightness threshold

☒ Disable ☐ Enable

Brightness threshold external(lux)

256

Illuminance setting: You can select internal, external, internal and external combined illuminance values, the default illuminance is not linked

Whether to enable the object that controls the "illuminance" condition. This object can be used to disable the illuminance condition control, that is, the illuminance is not judged, and the Switch-On action is executed as long as there are people or movement conditions

Whether to enable the object that adjusts the internal "illuminance" control threshold. This object can be used to adjust the internal illuminance control threshold

Internal brightness threshold: default 400 lux

Whether to open the object that adjusts the threshold of external "illuminance" control. The external illuminance control threshold is adjusted through this object

External brightness threshold: default 256 lux

Presence-External push-button

1.1.- Presence & motion detector > Presence 1 > External push-button

General

Use object for external push-button

☐ Disable ☒ Enable

Whether to enable the group object that receives "external button" . The external button event is received through this group object to trigger Switch-On or Switch-Off event

Event & Logic

External button switch-on with

☐ Off telegram ☒ On telegram

Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event

+ Presence(Basic)

Use object for manual operation

☐ Disable ☒ Enable

This option configures whether to enable the group object that switches " manual mode " . If enabled, you can switch between "manual mode" and "automatic mode" through this object. If you switch to manual mode, the corresponding function unit will not run automatically, but will be controlled by external key input

- Presence 1

Manual mode is activated with

☐ Off telegram ☒ On telegram

Configuration options for the group object to enter manual mode when receiving a message, and vice versa to exit manual mode

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

Presence-Enable

1.1.- Presence & motion detector > Presence 1 > Enable

General

Event & Logic

+ Presence(Basic)

- Presence 1

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

Use object for enabling detector

☐ Disable ☒ Enable

Enable with

☐ Off telegram ☒ On telegram

Device status after power reset

Enabled ▼

Output send at enable

Current status ▼

Output send at block

Off after the light-on time ▼

This option configures whether to enable the "Enable or Disable" function unit object, which can control whether the function unit is "enabled" or "disabled" function to achieve the purpose of temporarily closing the function unit.

Configure the "Enable or Disable" function unit object to receive what message to enable the function unit, and vice versa

Device status after power reset: disabled, enabled, same as before reset, enabled by default

Configuration options for outputting related actions when the function unit changes from disabled to enabled state

Configuration options for outputting related actions when the function unit changes from enabled to disabled state

Brightness-Common parameter

1.1.- Presence & motion detector > Brightness > Common parameter

General	Application	☐ Inactive ☒ Brightness Detection	Application: Whether to enable brightness detection, default Inactive
Event & Logic	Output control function	☐ Disable ☒ Enable	Output control function: Disabled by default
+ Presence(Basic)	Send internal brightness	☐ Disable ☒ Enable	Send internal brightness: Default Disabled
+ Presence 1	Brightness difference for immediate transmission(1..255, 0:Disable)	10	Instantaneous transmitted brightness difference: 1~255 configurable. 0 is disabled, default 10
- Brightness	Report interval for brightness (1..255, 0:Disable)*1s	0	Brightness reporting interval: 1~255s configurable. Default 0 (Disabled)
Common parameter	Data type of brightness	☐ Value in lux(DPT 7.013) ☒ Float value in lux(DPT 9.004)	Brightness data type: Lux value Floating point value in Lux
Control parameter	Correction of internal brightness(Lux)	0	Internal brightness correction: -100~100Lux adjustable
+ Target(Basic)			
+ Target(Advanced)			
+ Segment(Basic)			
+ Segment(Advanced)			
+ Event Group			
+ Logic Group			

Brightness-Control parameter

1.1.- Presence & motion detector > Brightness > Control parameter

General

Event & Logic

+ Presence(Basic)

+ Presence 1

- Brightness

Common parameter

Control parameter

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

+ Segment(Advanced)

+ Event Group

+ Logic Group

Threshold

Brightness threshold for switch-off1000Light intensity threshold for turning off: Default 1000 lux

Brightness threshold for switch-on350Light intensity threshold for turning on: Default 350 lux

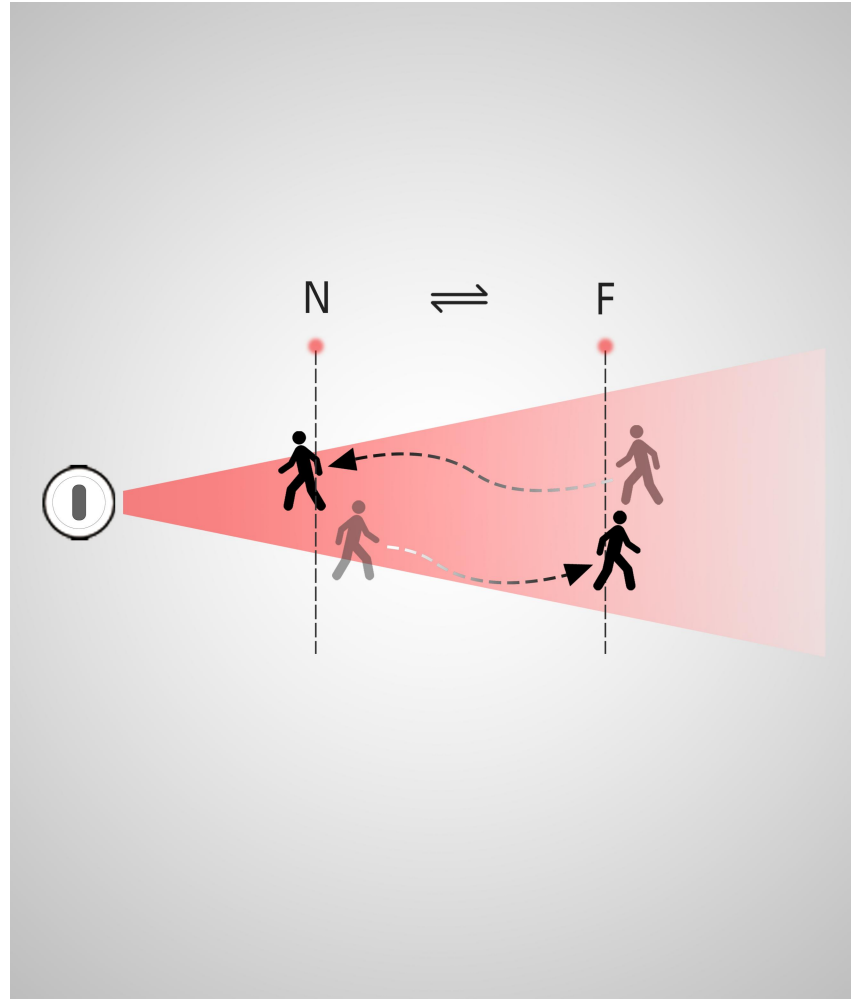
Output

Object type for output1bitObject output type: Default 1 bit

Value for switch-on☐ Off ☒ OnSwitch-On action output value configuration

Value for switch-off☒ Off ☐ OnSwitch-On action output value configuration

Approach / Distance setting diagram



Target(Basic)-Setting

1.1.- Presence & motion detector > Target(Basic) > Setting

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

- Target(Basic)

Setting

Easy control

+ Target(Advanced)

+ Segment(Basic)

+ Segment(Advanced)

+ Event Group

+ Logic Group

Overwrite setting for download

☐ No ☒ Yes

Overwrite download settings: This parameter mainly considers whether the parameters changed by the remote control are overwritten by the currently downloaded ETS parameters

Point A: close to target (10..320)cm

100

Distance to target: configurable 10~320cm , default 100 , ie 1m

Point B: away from target (10..320)cm

250

Distance from target: configurable 10~320cm , default 25 0 , ie 2.5 m

Time duration for moving

5

Limited moving time: configurable 0~60s , default 5s

Target(Basic)-Easy control

1.1.- Presence & motion detector > Target(Basic) > Easy control

General	Application	☐ Inactive ☒ Monitor	Application: default Monitor output
Event & Logic	Object type for output	1 bit	Output object type: Default 1 bit
+ Presence(Basic)	Value for close to target	☐ Off ☒ On	Approach target Output value configuration
+ Presence 1	Value for away from target	☐ Off ☒ On	Output value configuration when away from the target
+ Brightness	Send value for close/away cyclic	☐ No ☒ Yes	Whether the output value of approaching / moving away is cycled , the option " No " means that the output is only once when the state changes
- Target(Basic)	Value for switch-off	☒ Off ☐ On	Switch-Off Output value configuration
Setting	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
Easy control	Cyclical repeating time	00:00:10 hh:mm:ss	Cycle repetition time: default 10 s

+ Target(Advanced)

+ Segment(Basic)

+ Segment(Advanced)

+ Event Group

+ Logic Group

Target(Advanced)-Common parameter

1.1.- Presence & motion detector > Target(Advanced) > Common parameter

General	Object type for output	1 bit	Output object type: Default 1 bit
Event & Logic	Output object send at	Switch On/Off	Output mode: Select to output On or Off
+ Presensce(Basic)	Value for close to target	☐ Off ☒ On	Approach target Output value configuration
+ Presence 1	Value for away from target	☐ Off ☒ On	Output value configuration when away from the target
+ Brightness	Send value for close/away cyclic	☒ No ☐ Yes	Whether the output value of approaching / moving away is cycled , the option " No " means that the output is only once when the state changes
+ Target(Basic)	Value for switch-off	☒ Off ☐ On	Switch-Off Output value configuration
+ Target(Advanced)	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
- Target(Advanced)	Delay time for switch-off	00:00:10 hh:mm:ss	Switch-Off Delay Time: Default 10 s

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

Target(Advanced)-Extended parameter

1.1.- Presence & motion detector > Target(Advanced) > Extended parameter

General	Operating mode	Automatic switch-off	Working mode, default Automatic
Event & Logic	Use object for switch-off delay	☒ Disable ☐ Enable	Whether to enable the object whose adjustable Switch off delay output time can be enabled. If enabled, the delay time can be adjusted through the object
+ Presensce(Basic)	Use object for test mode	☒ Disable ☐ Enable	Whether to enable the object that can enter or exit the test mode. Through this object, the corresponding function unit can enter the test module or exit the test module
+ Presence 1	Use object for manual status	☒ Disable ☐ Enable	Whether to enable the object that receives the actuator status feedback, so that the function unit can suspend the function in a targeted manner to avoid accidental triggering
+ Brightness	Overwrite setting for download	☒ No ☐ Yes	Overwrite download Settings: This parameter mainly considers the parameters changed by the remote control, whether it is downloaded by the current download ETS Parameter coverage processing
+ Target(Basic)			
- Target(Advanced)			
Common parameter			
Extended parameter			
Night-mode parameter			
External push-button			
Enable			

Target(Advanced)-Night-mode parameter

1.1.- Presence & motion detector > Target(Advanced) > Night-mode parameter

General	Use object for night mode	☐ Disable ☒ Enable	Use object for Night mode
Event & Logic	Night mode is activated with	☐ Off telegram ☒ On telegram	Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event
+ Presensce(Basic)	Mode status after power reset	Normal mode	Mode status after power reset: Normal mode (Normal mode), Night mode (Night mode), As before reset (Same as before reset), default Normal mode
+ Presence 1	Value for close to target	☐ Off ☒ On	Approach target Night mode output value configuration
+ Brightness	Value for away from target	☐ Off ☒ On	Away from target Night mode output value configuration
+ Target(Basic)	Value for switch-off	☒ Off ☐ On	Night mode output value configuration when Switch-Off action is performed
- Target(Advanced)	 Note: setting value here as output parameter for night mode		
Common parameter			
Extended parameter			
Night-mode parameter			
Brightness parameter			
External push-button			
Enable			

Target(Advanced)-Night-mode parameter

1.1.- Presence & motion detector > Target(Advanced) > Brightness parameter

General

Used brightness

Internal or External

Illuminance setting: You can select internal, external, internal and external combined illuminance values, the default illuminance is not linked

Event & Logic

Use object for detection independent of brightness

☒ Disable ☐ Enable

Whether to enable the object that controls the "illuminance" condition. This object can be used to disable the illuminance condition control, that is, the illuminance is not judged, and the Switch-On action is executed as long as there are people or movement conditions

+ Presence(Basic)

Use object for internal brightness threshold

☒ Disable ☐ Enable

Whether to enable the object that adjusts the internal "illuminance" control threshold. This object can be used to adjust the internal illuminance control threshold

+ Presence 1

Brightness threshold internal(lux)

400

Internal brightness threshold: default 400 lux

+ Brightness

Use object for external brightness threshold

☒ Disable ☐ Enable

Whether to open the object that adjusts the threshold of external "illuminance" control. The external illuminance control threshold is adjusted through this object

+ Target(Basic)

Brightness threshold external(lux)

256

External brightness threshold: default 256 lux

- Target(Advanced)

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

Target(Advanced)-External push-button

1.1.- Presence & motion detector > Target(Advanced) > External push-button

General	Use object for external push-button	☐ Disable ☒ Enable	Whether to enable the group object that receives "external button" . The external button event is received through this group object to trigger Switch-On or Switch-Off event
Event & Logic	External button switch-on with	☐ Off telegram ☒ On telegram	Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event
+ Presensce(Basic)	Use object for manual operation	☐ Disable ☒ Enable	This option configures whether to enable the group object that switches " manual mode " . If enabled, you can switch between "manual mode" and "automatic mode" through this object. If you switch to manual mode, the corresponding function unit will not run automatically, but will be controlled by external key input
+ Presence 1	Manual mode is activated with	☐ Off telegram ☒ On telegram	Configuration options for the group object to enter manual mode when receiving a message, and vice versa to exit manual mode
+ Brightness			
+ Target(Basic)			
- Target(Advanced)			
Common parameter			
Extended parameter			
Night-mode parameter			
Brightness parameter			
External push-button			
Enable			

Target(Advanced)-Enable

1.1.- Presence & motion detector > Target(Advanced) > Enable

General

Use object for enabling detector

☐ Disable ☒ Enable

This option configures whether to enable the "Enable or Disable" function unit object, which can control whether the function unit is "enabled" or "disabled" function to achieve the purpose of temporarily closing the function unit.

Event & Logic

Enable with

☐ Off telegram ☒ On telegram

Configure the "Enable or Disable" function unit object to receive what message to enable the function unit, and vice versa

+ Presensce(Basic)

Device status after power reset

Enabled ▼

Device status after power reset: disabled, enabled, same as before reset, enabled by default

+ Presence 1

Output send at enable

No telegram ▼

Configuration options for outputting related actions when the function unit changes from disabled to enabled state

+ Brightness

Output send at block

No telegram ▼

Configuration options for outputting related actions when the function unit changes from enabled to disabled state

+ Target(Basic)

- Target(Advanced)

Common parameter

Extended parameter

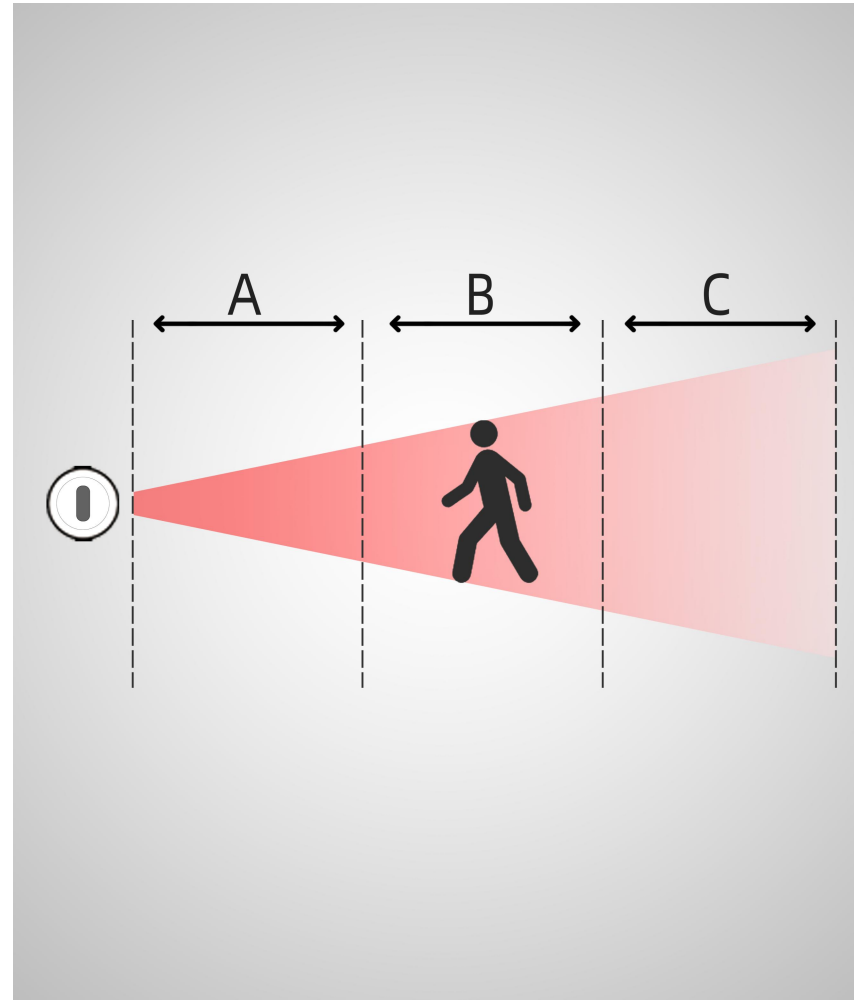
Night-mode parameter

Brightness parameter

External push-button

Enable

Segmentation settings Schematic diagram



Segment(Basic)-Setting

1.1.- Presence & motion detector > Segment(Basic) > Setting

General	Overwrite setting for download	☐ No ☒ Yes	Overwrite download settings: This parameter mainly considers whether the parameters changed by the remote control are overwritten by the currently downloaded ETS parameters
Event & Logic	Space for segment A (0..320)cm	100	A Segment distance setting: Settable 0~320cm , Default 100 , which is 0~1 m
+ Presensce(Basic)	Space for segment B (0..320)cm	100	B Segment distance setting: Settable 0~320cm , Default 100 , which is 1~2m
+ Presence 1	Space for segment C (0..320)cm	100	C Segment distance setting: Settable 0~320cm , Default 100 , which is 2~3m
+ Brightness	Stay time for segment A (0..600)s	5	A Segment dwell time: Settable 0'600s , Default 5 s
+ Target(Basic)	Stay time for segment B (0..600)s	5	B Segment dwell time: Settable 0'600s , Default 5 s
+ Target(Advanced)	Stay time for segment C (0..600)s	5	C Section dwell time: configurable 0'600s , default 5 s
- Segment(Basic)			
Setting			
Easy control			
+ Segment(Advanced)			
+ Event Group			
+ Logic Group			

Segment(Basic)-Easy control

1.1.- Presence & motion detector > Segment(Basic) > Easy control

General	Application	☐ Inactive ☒ Monitor	Application: default Monitor output
Event & Logic	Event selection	☒ Instant event ☐ Event with stay-time	Event selection: Instant event , Event with stay-time , default instant event
+ Presensce(Basic)	Object type for output	1 bit	Output object type: default 1 bit
+ Presence 1	Value for segment A	☐ Off ☒ On	A Section output value configuration
+ Brightness	Value for segment B	☐ Off ☒ On	B Section output value configuration
+ Target(Basic)	Value for segment C	☐ Off ☒ On	C Section output value configuration
+ Target(Advanced)	Send value for A/B/C cyclic	☐ No ☒ Yes	A/B/C Section output value cyclic sending , option " No " means output only once when the state changes
- Segment(Basic)	Value for switch-off	☒ Off ☐ On	Switch-Off action output value configuration
Setting	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
Easy control	Cyclical repeating time	00:00:10 hh:mm:ss	Cycle repetition time: default 10 s
+ Segment(Advanced)			
+ Event Group			
+ Logic Group			

Segment(Advanced)-Common parameter

1.1.- Presence & motion detector > Segment(Advanced) > Common parameter

General	Event selection	☒ Instant event ☐ Event with stay-time	Event selection: Instant event , Event with stay-time , default instant event
Event & Logic	Object type for output	1 bit	Output object type: default 1 bit
+ Presence(Basic)	Output object send at	Switch On/Off	Output mode: Select to output On or Off
+ Presence 1	Value for segment A	☐ Off ☒ On	A Section output value configuration
+ Brightness	Value for segment B	☐ Off ☒ On	B Section output value configuration
+ Target(Basic)	Value for segment C	☐ Off ☒ On	C Section output value configuration
+ Target(Advanced)	Send value for A/B/C cyclic	☒ No ☐ Yes	A/B/C Section output value cyclic sending , option " No " means output only once when the state changes
+ Segment(Basic)	Value for switch-off	☒ Off ☐ On	Switch-Off action output value configuration
+ Segment(Advanced)	Send value for switch-off cyclic	☒ No ☐ Yes	Whether the output value of Switch-Off is cycled , the option " No " means that it is output only once when the state changes
- Segment(Advanced)	Delay time for switch-off	00:00:10 hh:mm:ss	Switch-Off delay time: default 10 s

Common parameter

- Extended parameter
- Night-mode parameter
- Brightness parameter
- External push-button
- Enable

Segment(Advanced)-Extended parameter

1.1.- Presence & motion detector > Segment(Advanced) > Extended parameter

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

- Segment(Advanced)

Common parameter

Extended parameter

Night-mode parameter

External push-button

Enable

Operating mode

Automatic switch-off

Use object for switch-off delay

☒ Disable ☐ Enable

Use object for test mode

☒ Disable ☐ Enable

Use object for manual status

☒ Disable ☐ Enable

Overwrite setting for download

☒ No ☐ Yes

Working mode, default Automatic

Whether to enable the object whose adjustable Switch off delay output time can be enabled. If enabled, the delay time can be adjusted through the object

Whether to enable the object that can enter or exit the test mode. Through this object, the corresponding function unit can enter the test module or exit the test module

Whether to enable "manual mode" status as an output object

Overwrite download Settings: This parameter mainly considers the parameters changed by the remote control, whether it is downloaded by the current download ETS Parameter coverage processing

Segment(Advanced)-Night-mode parameter

1.1.- Presence & motion detector > Segment(Advanced) > Night-mode parameter

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

- Segment(Advanced)

Common parameter

Extended parameter

Night-mode parameter

External push-button

Enable

Use object for night mode

☐ Disable

☒ Enable

Use object for Night mode

Night mode is activated with

☐ Off telegram

☒ On telegram

Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event

Mode status after power reset

Normal mode

Mode status after power reset: Normal mode (Normal mode), Night mode (Night mode), As before reset (Same as before reset), default Normal mode

Value for segment A

☐ Off

☒ On

A Section output Night mode and value configuration

Value for segment B

☐ Off

☒ On

B Section Night Mode Output Value Configuration

Value for segment C

☒ Off

☐ On

C Section Night Mode Output Value Configuration

Value for switch-off

☒ Off

☐ On

Night mode output value configuration when Switch-Off action is performed

Note: setting value here as output parameter for night mode

Note: The value set here is the output parameter of the night mode

Segment(Advanced)-Brightness parameter

1.1.- Presence & motion detector > Segment(Advanced) > Brightness parameter

General

Event & Logic

+ Presence(Basic)

+ Presence 1

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

- Segment(Advanced)

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

Used brightness

Internal or External

Use object for detection independent of brightness

☒ Disable ☐ Enable

Use object for internal brightness threshold

☒ Disable ☐ Enable

Brightness threshold internal(lux)

400

Use object for external brightness threshold

☒ Disable ☐ Enable

Brightness threshold external(lux)

256

Illuminance setting: You can select internal, external, internal and external combined illuminance values, the default illuminance is not linked

Whether to turn on the object controlled by the "Illuminance" condition. Through this object, the illuminance condition control can be turned off, that is, the illuminance is not judged, and the Switch-On action is executed as long as there are people or moving conditions.

Whether to open the internal "Illuminance" control threshold adjustment object, adjust the internal illuminance control threshold through this object.

Internal brightness threshold: default 400 lux

Whether to open the external "Illuminance" control threshold adjustment object, adjust the external illuminance control threshold through this object.

External brightness threshold: default 256 lux

Segment(Advanced)-External push-button

1.1.- Presence & motion detector > Segment(Advanced) > External push-button

General

Use object for external push-button

☐ Disable ☒ Enable

Whether to enable the group object that receives "external button". The external button event is received through this group object to trigger Switch-On or Switch-Off event

Event & Logic

External button switch-on with

☐ Off telegram ☒ On telegram

Configuration options for the event that the group object receives a message to trigger the Switch-On event, and vice versa for the Switch-Off event

This option configures whether to enable the group object that switches "manual mode". If enabled, you can switch between "manual mode" and "automatic mode" through this object. If you switch to manual mode, the corresponding function unit will not run automatically, but will be controlled by external key input

+ Presense(Basic)

Use object for manual operation

☐ Disable ☒ Enable

+ Presence 1

Manual mode is activated with

☐ Off telegram ☒ On telegram

Configuration options for the group object to enter manual mode when receiving a message, and vice versa to exit manual mode

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

- Segment(Advanced)

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

Segment(Advanced)-Enable

1.1.- Presence & motion detector > Segment(Advanced) > Enable

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

- Segment(Advanced)

Common parameter

Extended parameter

Night-mode parameter

Brightness parameter

External push-button

Enable

Use object for enabling detector

☐ Disable ☒ Enable

Enable with

☐ Off telegram ☒ On telegram

Device status after power reset

Enabled ▼

Output send at enable

No telegram ▼

Output send at block

No telegram ▼

This option configures whether to enable the "Enable or Disable" function unit object , which can control whether the function unit is "enabled " or "disabled" function to achieve the purpose of temporarily closing the function unit.

Configure the "Enable or Disable" function unit object to receive what message to enable the function unit, and vice versa

Device status after power reset: disabled, enabled, same as before reset, enabled by default

Configuration options for outputting related actions when the function unit changes from disabled to enabled state

Configuration options for outputting related actions when the function unit changes from enabled to disabled state

Event Group-Event Object

1.1.- Presence & motion detector > Event Group > Event Object 1

General	Object type of output	1 Bit	Output type: Default 1 bit
Event & Logic	Mutual exclusion between scene	☒ Disable ☐ Enable	Mutual Exclusion Between Scenes: Default Disable
+ Presence(Basic)	1. Trigger scene (1-64,0-Disable)	1	Trigger Scene 1 : Settable Range 1~64 , 0 is Disable, Default 1
+ Presence 1	Object Value (0-1)	0	Object Value: 0 or 1
+ Presence 1	Delay time (0-255)*0.1s	0	Delay Time: Value *0.1s , Default 0
+ Brightness	2. Trigger scene (1-64,0-Disable)	0	
+ Target(Basic)	3. Trigger scene (1-64,0-Disable)	0	
+ Target(Advanced)	4. Trigger scene (1-64,0-Disable)	0	
+ Segment(Basic)	5. Trigger scene (1-64,0-Disable)	0	Trigger Scene 2~8 : Settable Range 1~64 , 0 is Disable, Default 0
+ Segment(Advanced)	6. Trigger scene (1-64,0-Disable)	0	
- Event Group	7. Trigger scene (1-64,0-Disable)	0	
Event Object 1	8. Trigger scene (1-64,0-Disable)	0	
+ Logic Group			

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	AND	Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND
Event & Logic	Input A	Normal	Output A : Settable Disable, Normal, Reverse, Default Normal
+ Presence(Basic)	Default value	0	Default Value: 0
+ Presence 1	Input B	Normal	Output B : Set to disable, normal, reverse, default normal
+ Brightness	Default value	0	Default Value: 0
+ Target(Basic)	Input C	Disable	Output C~H : Settable Disable, Normal, Reverse, Default Disable
+ Target(Advanced)	Input D	Disable	
+ Segment(Basic)	Input E	Disable	
+ Segment(Advanced)	Input F	Disable	
+ Event Group	Input G	Disable	Whether the result is the opposite
- Logic Group	Input H	Disable	
	Inverted in result	☒ No ☐ Yes	Output sending time: each new message Every change
	Output send when	☒ Each one new telegram ☐ Every change in output	Whether to support output delay
	Support delay in output	☒ No ☐ Yes	

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	Gate Transfer	Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND
Event & Logic	Object type of I/O	1 Bit	I/O object type: default 1 bit
+ Presensce(Basic)	Default gate after startup	None	Default door after startup: default None
+ Presence 1	1) Gate trigger scene	NO.1	1) Door trigger scene: default NO.1
+ Brightness	Input A send on	Output A	A Output Send : Default Output A
+ Target(Basic)	Input B send on	Output B	B Output Send : Default Output B
+ Target(Advanced)	Input C send on	Output C	C Output Send : Default Output C
+ Segment(Basic)	Input D send on	Output D	D Output Send : Default Output D
+ Segment(Advanced)	2) Gate trigger scene	None	
+ Event Group	3) Gate trigger scene	None	
- Logic Group	4) Gate trigger scene	None	
Logic Function 1	5) Gate trigger scene	None	2~8 door trigger scene: default None
	6) Gate trigger scene	None	
	7) Gate trigger scene	None	
	8) Gate trigger scene	None	

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General	Logic Function	Threshold Compare	Logic Function: Settable AND, OR, XOR, Gate Transfer, Threshold Comparison, Format Conversion, Default AND
Event & Logic	Threshold data type	4 Bit	Threshold data type: default 4bit
+ Presensce(Basic)	Threshold value(0-15)	10	Threshold: Settable 0~15 , default 10
+ Presence 1	If Object value < Threshold value	Send value "0"	If the target value < threshold: default sending value '0'
+ Brightness	If Object value > Threshold value	Send value "1"	If the target value > threshold: default sending value '1'
+ Target(Basic)	If Object value == Threshold value	No action	If the target value = threshold : Default no action
+ Target(Advanced)	Output send when	☒ Each one new telegram ☐ Every change in output	Output sending time: each new message Every change
+ Segment(Basic)	Support delay in output	☒ No ☐ Yes	Whether to support output delay
+ Segment(Advanced)			
+ Event Group			
- Logic Group			
Logic Function 1			

Logic Group-Logic Function

1.1.- Presence & motion detector > Logic Group > Logic Function 1

General

Event & Logic

+ Presensce(Basic)

+ Presence 1

+ Brightness

+ Target(Basic)

+ Target(Advanced)

+ Segment(Basic)

+ Segment(Advanced)

+ Event Group

- Logic Group

Logic Function 1

Logic Function

Format Convert

Format convert type

2x1Bit --> 1x2Bit

Output send when

- ☒ Each one new telegram
☐ Every change in output

Logical function: AND, OR, XOR, gate transfer, threshold comparison, format conversion can be set, default AND

Format conversion type: default 2 x 1bit ➡ 1 x 2 bit

Output sending time: each new message
Every change