

## 2 in 1 Sensor FAQ



## Content

1. Product main function .....	3
2. Product Specification .....	3
3. Backseat Dimension .....	4
4. Thickness of keypad .....	5
5. Did it have proximity sensor.....	שגיאה! הסימניה אינה מוגדרת.
6. How to set the backlight brightens.....	שגיאה! הסימניה אינה מוגדרת.
7. How to set the backlight delay off.....	שגיאה! הסימניה אינה מוגדרת.
8. How to set the toggle feedback.....	שגיאה! הסימניה אינה מוגדרת.
9. How to set the on with led status, off without led	שגיאה! הסימניה אינה מוגדרת.
10. How to set the on with led status, off without led. But proximity sensor detect, then LED status light on .....	שגיאה! הסימניה אינה מוגדרת.
11. How to turn off the proximity sensor function.	שגיאה! הסימניה אינה מוגדרת.
12. How to active keypad radar to turn on the specified light .....	שגיאה! הסימניה אינה מוגדרת.

## 1. Product main function

The Illuminance infrared motion sensor is mainly installed on the ceiling. It is a kind of device that can sense external signals and physical conditions (such as light and movement) and transfer the sensed information to other device (such as dimmers and relays) and realize its function. Connect to the EIB / KNX system through the EIB bus terminal, use the engineering design tool software ETS software (version ETS4.0 or above) to perform physical address allocation and parameter setting.

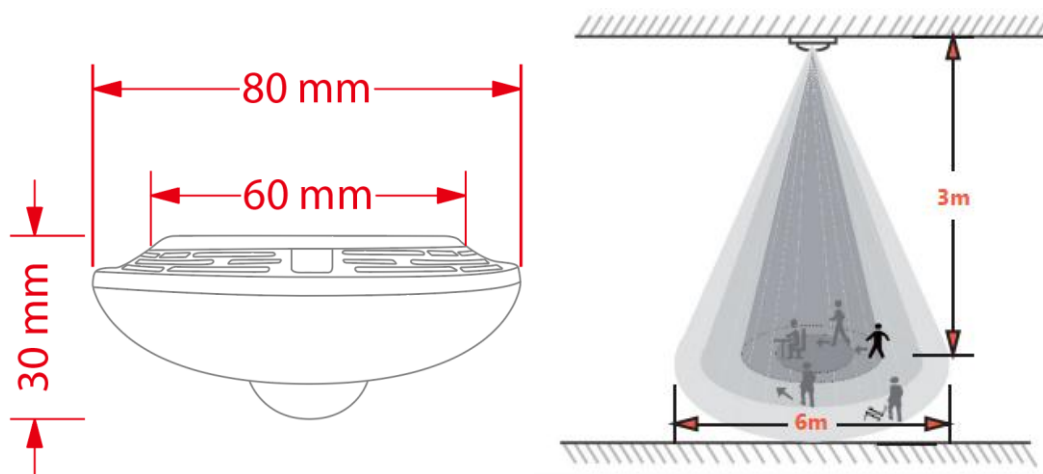
Functions:

- (1) Illuminance value cycle output function
- (2) 2-way control luminance channel, output 1bit, 4 bit, 1byte data
- (3) Infrared motion trigger control function
- (4) Infrared motion and brightness logic function
- (5) Infrared motion Master-Slave function
- (6) The output control function of illumination and infrared movement is enabled or disabled by the object
- (7) The combination of illumination and movement controls the function of the light
- (8) Infrared motion, illumination, 2-in-1 sensor

## 2. Product Specification

Bus Power	21-30V DC
Bus Current	≤ 12mA
Working power rate	< 360mW
Sensor distance	Installation height 2.5m~3m, radiation range 5m~7m
Shell material	PC
Dimension (H x W x D)	Height H=30mm Diameter=80mm
Installation way	UFO mount
Weight (approx.)	0.05KG
Working temperature	-5° C- 45° C
Storage temperature	- 20° C- 55° C
Transportation temperature	-25° C~+70° C
Relative humidity	max 90%

### 3. Dimension



H: range size 2.5m~3m, recommended value: 2.7m

D1: Range: 4m~5m, high sensitivity range

D2: Range: 5m~7m, maximum sensing range

## 4. When people get into the room, light on; then left the room, and turn off the light by keypad, the sensor would detect each 2 min. How to set people out of room, accounting 2min again

--- 2 in 1 Sensor (motion & illumination) > Sensor > Single or master

Sensor

General

Motion detector

Single or master

Device works as  as single device  as master device

Function for pausing operation  Disabled  Enabled

Function for aborting operation  Disabled  Enabled

For current operation  abort when receiving 0  abort when receiving 1

-----Start of Motion-----

1-bit output object  Disabled  Enabled

1-bit value  Off  On

4-bit output object  Disabled  Enabled

1-byte output object  Disabled  Enabled

-----Follow-up time-----

Follow-up time in hours 0

Follow-up time in minutes 2

Follow-up time in seconds 0

Overwrite follow-up time via object  No  Yes

Motion trigger during follow-up time  recalculate follow-up time when triggering  not recalculate follow-up time when trigge...

-----End of Motion-----

1-bit output object  Disabled  Enabled

1-bit value  Off  On

4-bit output object  Disabled  Enabled

1-byte output object  Disabled  Enabled

Dead time after end of motion(s) 2

Relate keypad feedback, "0" active "restart"

Some one get detected, send commend "0"

2min

System stability time: 40s start up time for device

Indicator LED for detector:  Disabled  Enabled

Detection sensitivity: 72%

Function for blocking the motion:  Disabled  Enabled

Function for locking internal trigger:  Disabled  Enabled

Relationship with brightness:  not related with brightness  related with brightness

Device works as: **single or master mode**

Trigger time setting: None

19	Start of motion, 1-bit output	On/Off	1/1/1	Loop 1 keypad	1 bit	C	R	W	T	U	switch
23	End of motion, 1-bit output	On/Off	1/1/1		1 bit	C	R	W	T	U	switch
27	Motion control abort	On/Off	1/1/2	loop turn off light feedback	1 bit	C	R	W	T	U	switch

## 5. Master model setting

Master & Slave

18	Motion, Master input	On/Off	1/1/3	Master & Slave	1 bit	C	R	W	T	U	switch
19	Start of motion, 1-bit output	On/Off	1/1/1	Loop 1	1 bit	C	R	W	T	U	switch
23	End of motion, 1-bit output	On/Off	1/1/1	Loop 1	1 bit	C	R	W	T	U	switch
27	Motion control abort	On/Off	1/1/2	Loop off light feedback	1 bit	C	R	W	T	U	switch

The image displays two screenshots of the Light Control software interface, illustrating the configuration of a motion detector.

**Top Screenshot: Motion detector configuration**

- Device: 1.1.2 in 1 Sensor (motion & illumination) > Sensor > Motion detector
- Indicator LED for detector:  Disabled  Enabled
- Detection sensitivity: 72%
- Function for blocking the motion:  Disabled  Enabled
- Function for locking internal trigger:  Disabled  Enabled
- Relationship with brightness:  not related with brightness  related with brightness
- Device works as: **slave mode** (highlighted with a red circle and arrow)
- Trigger time setting: **slave mode** (highlighted with a red circle)

**Annotation:** Slave or Master

**Bottom Screenshot: Single or master configuration**

- Device: 1.1.1 in 1 Sensor (motion & illumination) > Sensor > Single or master
- Device works as:  as single device  as master device (highlighted with a red box and arrow)
- Input value as master:  Off  On (highlighted with a red box and arrow)
- Function for pausing operation:  Disabled  Enabled
- Function for aborting operation:  Disabled  Enabled
- For current operation:  abort when receiving 0  abort when receiving 1
- 1-bit output object:  Disabled  Enabled
- 1-bit value:  Off  On

**Annotation:** Master should turn on this option