2 in 1 Sensor FAQ

Content

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

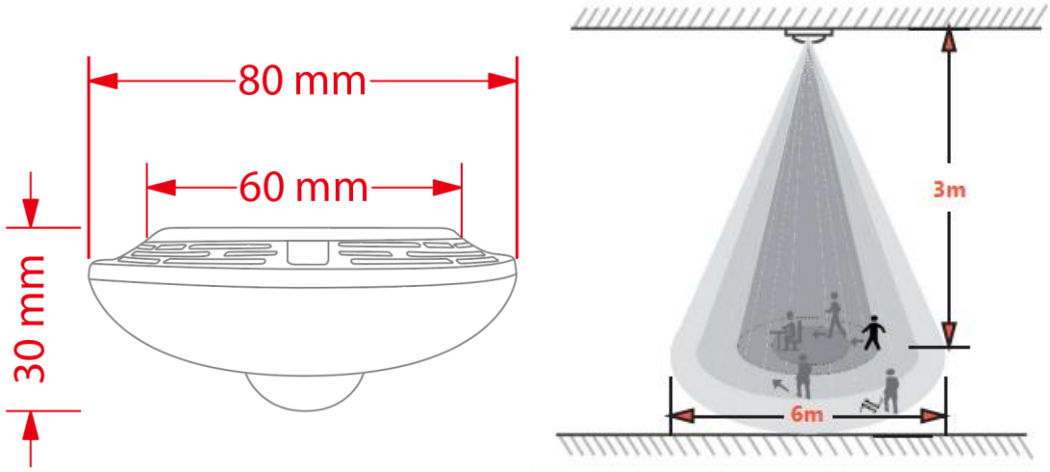
（7）The combination of illumination and movement controls the function of the light

（8）Infrared motion, illumination, 2-in-1 sensor

2. Product Specification

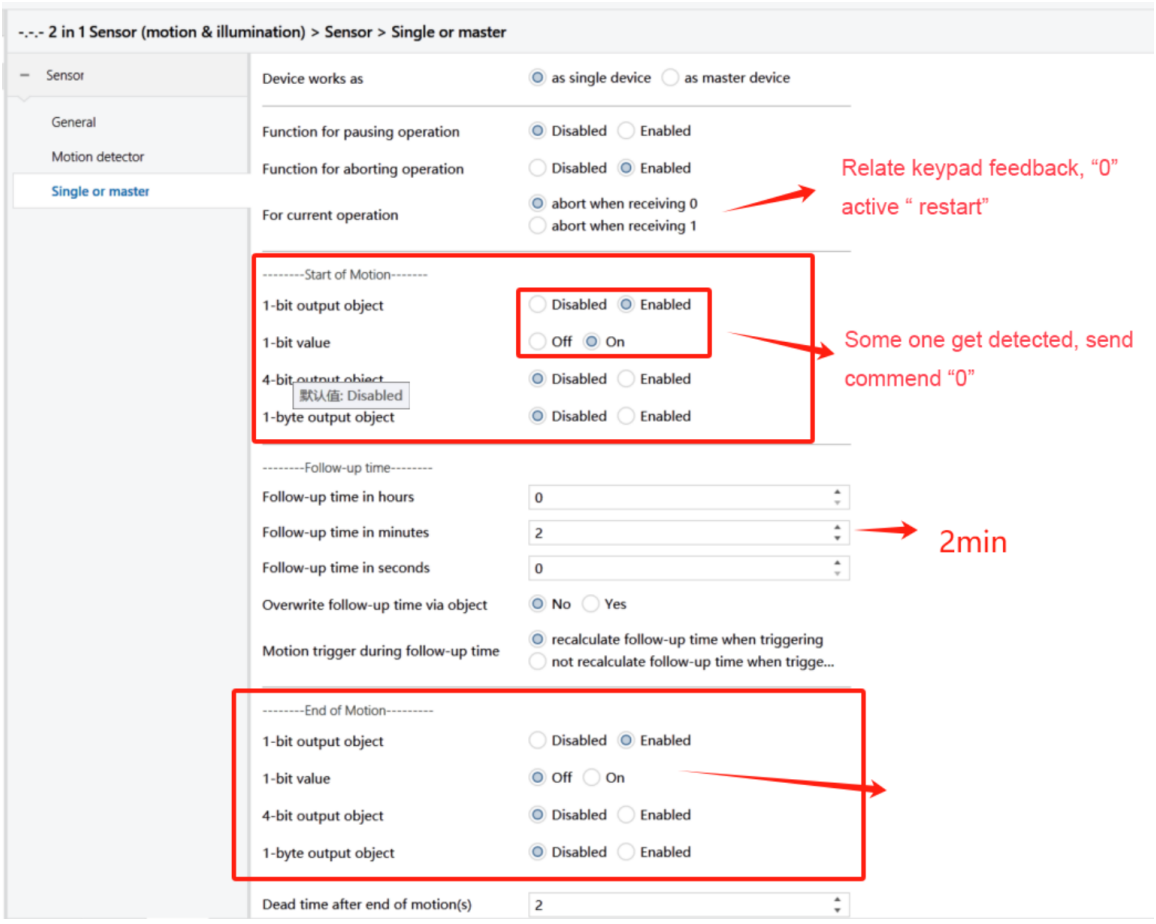
Bus Power	21-30V DC
Bus Current	⩽ 12mA
Working power rate	< 360mW
Sensor distance	Installation height 2.5m~3m, radiation range 5m~7m
Shell material	PC
Dimension (H x W x D)	Height H=30mm Diameter=80mm
Installation way	UFO mount
Weight (approx.)	0.05KG
Working temperature	-5° C- 45° C
Storage temperature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

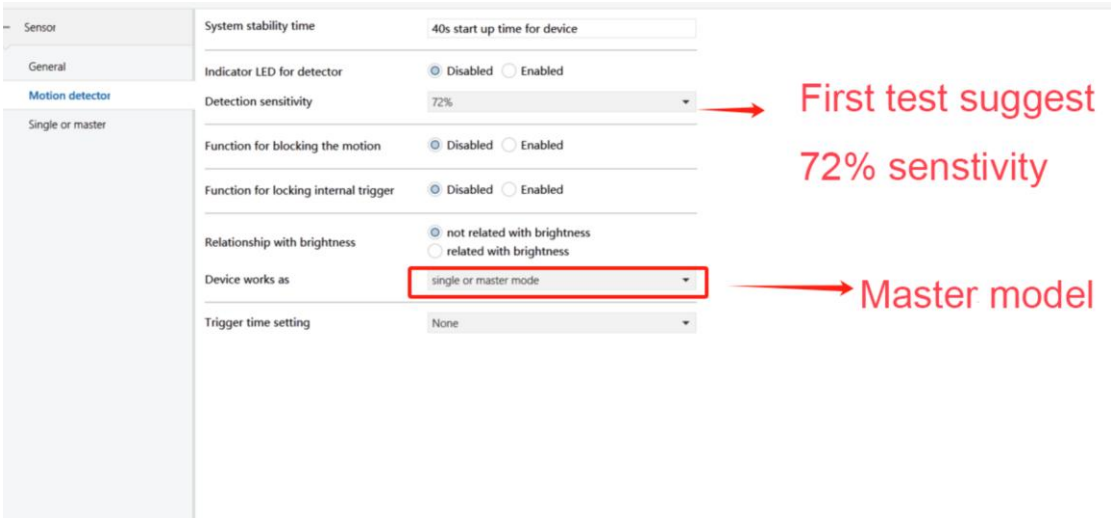
3. Dimension

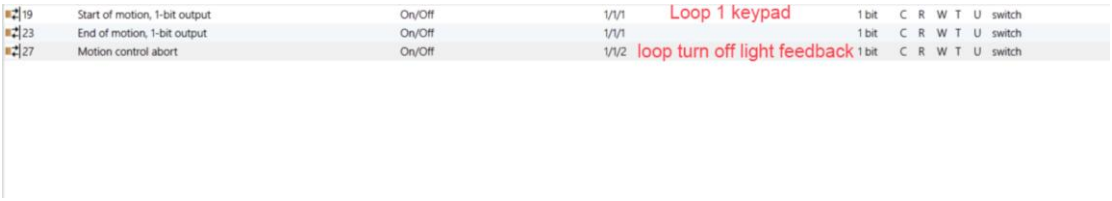


H: range size 2.5m~3m, recommended value: 2.7m
D1: Range: 4m~5m, high sensitivity range
D2: Range: 5m~7m, maximum sensing range

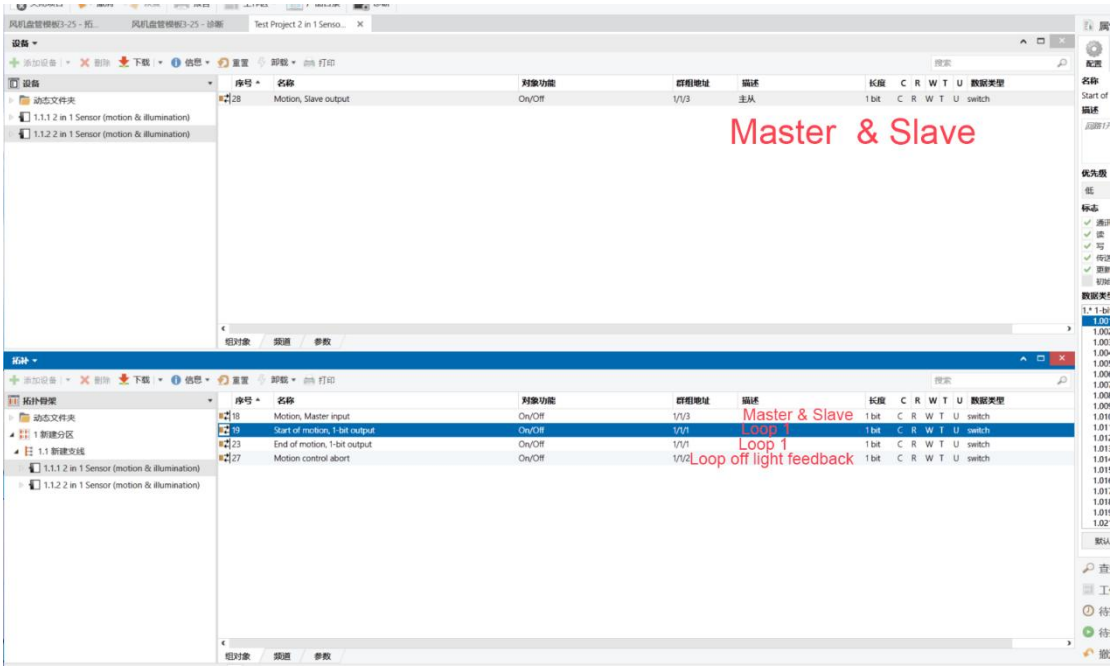
4. When people get into the room, light on; then left the room, and turn off the light by keypad, the sensor would detect each 2 min. How to set people out of room, accounting 2min again

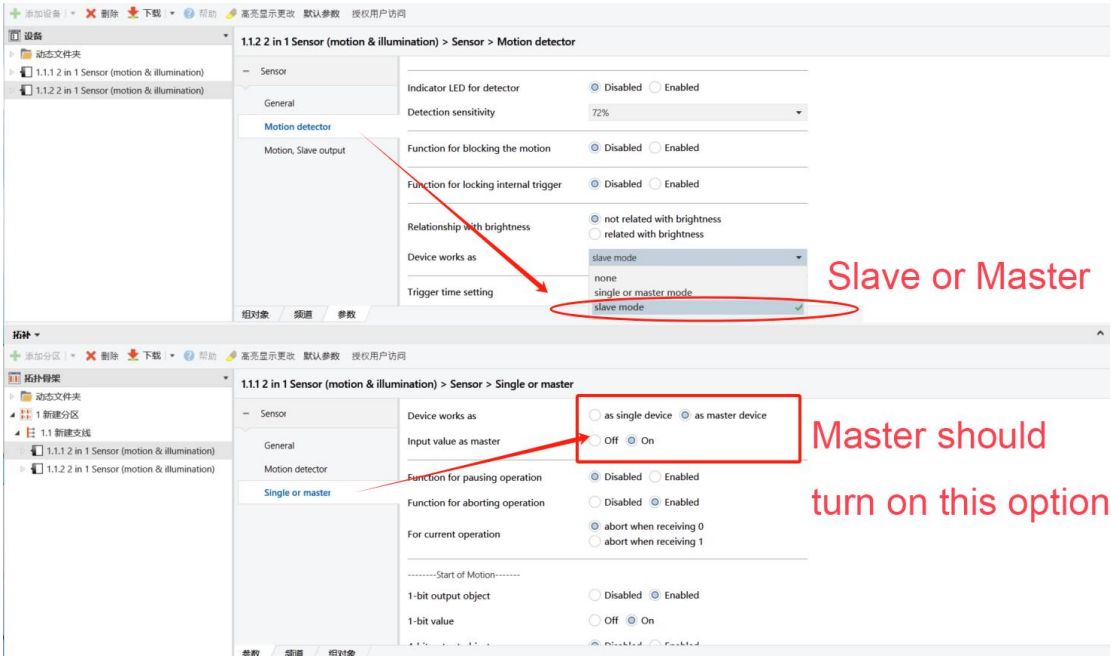






5. Master model setting




1.1.2 2 in 1 Sensor (motion & illumination) > Sensor > Motion detector
Sensor
General
Motion detector
Motion, Slave output
Indicator LED for detector
Disabled
Enabled
Detection sensitivity
72%
Function for blocking the motion
Function for locking internal trigger
Relationship with brightness
not related with brightness
related with brightness
Device works as
slave mode
none
single or master mode
slave mode
Trigger time setting
Slave or Master
1.1.1 2 in 1 Sensor (motion & illumination) > Sensor > Single or master
Single or master
as single device
as master device
Input value as master
Off
On
Function for pausing operation
Function for aborting operation
For current operation
abort when receiving 0
abort when receiving 1
--------Start of Motion--------
1-bit output object
1-bit value
Master should
turn on this option