



# Detachable Motion Sensor



## Features:

- 5.8GHz microwave motion sensor with dimmable function
- Suitable for tri-proof light
- Tri-level control by 1-10V output
- Detachable version flexible installation
- Remote control
- 5 year warranty



ON/OFF CONTROL



DETECTION AREA



HOLD TIME



DAYLIGHT THRESHOLD



STAND-BY PERIOD



STAND-BY DIMMING



REMOTE CONTROL SETTINGS

## TECHNICAL DATA

Operating voltage	120-277 VAC 50/60Hz
Switching capacity	Max. 3.0A@120Vac, Max. 2.0A@277Vac
Stand-by power	<1W
Detection area	50%/100%
Hold time	5s/30s/1min/10min
Daylight threshold	2Lux/10Lux/50Lux/Disable
Stand-by period	0s/30s/20min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz ± 75MHz
Microwave power	<0.3mW
Interfaces	6-pole pluggable clamp terminal (L,N,N.L,1-10v+,1-10v-) for 0.75-1.5mm <sup>2</sup> cable
Mounting height	Max.6m(ceiling mounted);Max.3m(wall mounted)
Detection range	Max.ø14m(ceiling mounted);Max.10m(wall mounted)
Detection angle	30°-150°
Operating temperature	-20°C~+60°C
IP rating	IP20

### Series

**HD-407V-CR**

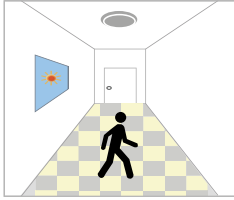
1W • 120-277V

# Detachable Motion Sensor

## APPLICATION

### 1. Automatic ON/OFF Function:

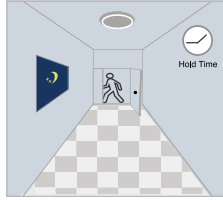
Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase.



With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After the last detection and the present hold time elapsed, light OFF.

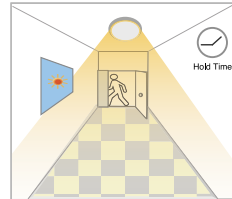
### 2. No Daylight Function

The daylight threshold is set to "Disable".

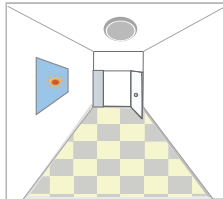
Light on when detect movement, After people leave, Light off after stand-by period. Applications: Dim places such as Basement Parking, Underpass.



When motion is detected, the sensor will switch on the light to 100% brightness.

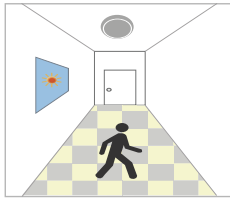


After people leave the detection area, light remains 100% brightness within hold time.



After the last detection and the present hold time elapsed, light OFF.

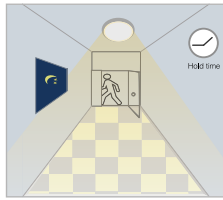
### 3. Function Demo - Dimmable Control / Corridor Function



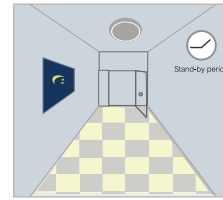
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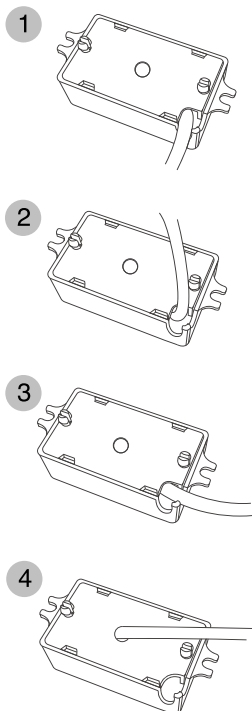
After last detection, the light will be dimmed down to the stand-by dimming level (10%, 20%, 30% or 50%) after holdtime.



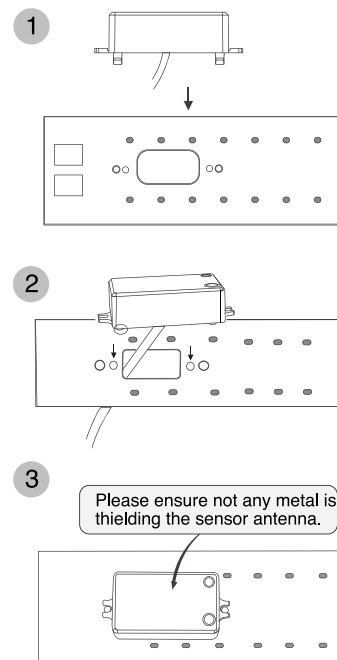
After the stand-by period, light OFF.

## INSTALLATION METHOD

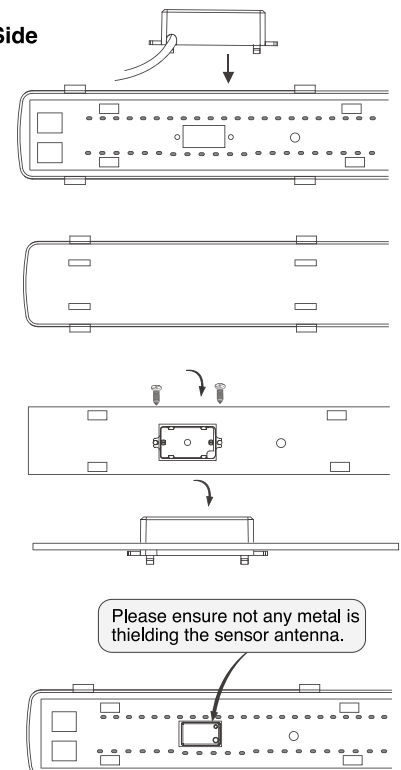
### 4 Styles of Installation



### Cable on center

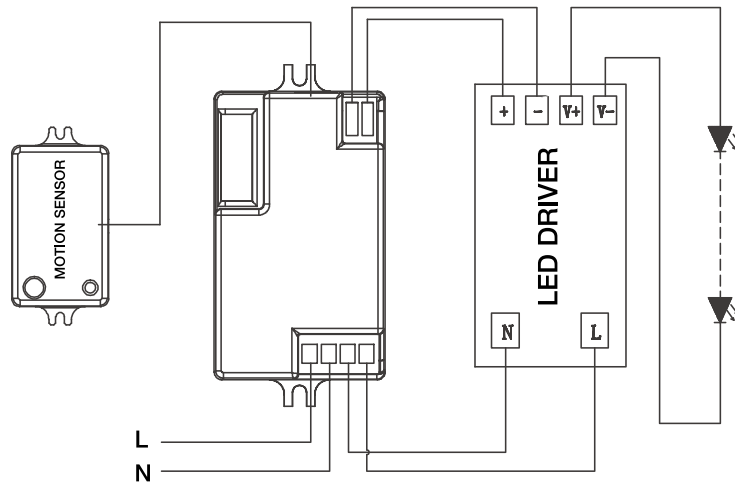


### Cable on Tip Side



# Detachable Motion Sensor

## WIRING DIAGRAM



## SETTINGS

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Note: Motion sensor setting and dimming setting please refer to remote control HD02R/HD03R. HD02VR Wire diameter 4mm, Standard Version Cable Length 30cm (can be customized).

### SETTINGS

**DETECTION AREA**  
In this area, movement will be detected and able to trigger the sensor.100% detection area is also known as the strong sensitivity.

● 100%  
○ 50%

**HOLD-TIME**  
The period of light keeping 100% brightness after moving objects leave the detection area.

● 5s  
○ 30s  
● 1min  
○ 10min

**DAYLIGHT THRESHOLD**  
Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable",the sensor works everytime it detects motion regardless the ambient brightness.

● Disable  
○ 50lux  
● 10lux  
○ 2lux

**STAND-BY PERIOD**  
The period of light keeping low output before it's completely switched off. When it's preset as "+∞", the light always keep at low output if no movement in the detection area and doesn't turn off.

● 0s  
○ 30s  
● 20min  
○ +∞

**STAND-BY DIMMING LEVEL**  
The definition of low output in the standby period.

● 10%  
○ 20%  
● 30%  
○ 50%