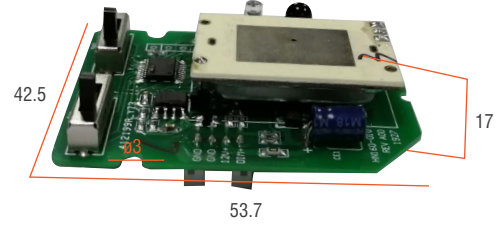
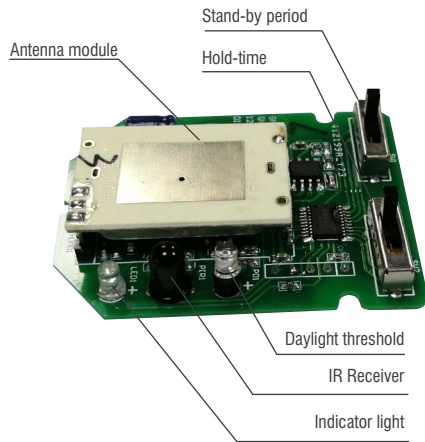


DC input motion sensor

HN160-01V



Unit: mm



On/off control



Stand-by period



Detection area



Stand-by dimming level



Hold-time



Remote control setting



Daylight sensor



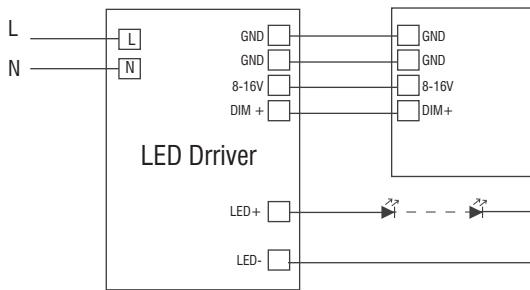
5 years

Technical data

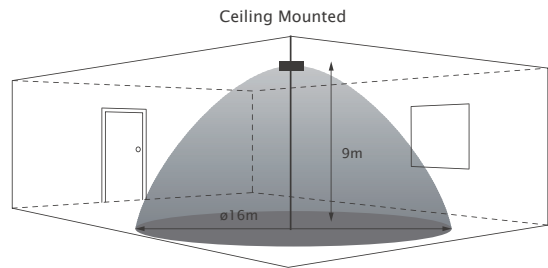
Operating voltage	8-16V DC
Output	0-10V
Standby power	≤ 0.5W
Detection area	75%
Hold-time	5min/10min/30min/ +∞
Daylight threshold	Disable
Stand-by period	5min/10min/30min/ +∞
Stand-by dimming level	30%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Mounting height	9m (ceiling mounted)
Detection range	Max.16m (ceiling mounted)
Operating temperature	-40°C~+60°C
Detection angle	30°-150°

Note: Motion sensor setting please refer to remote control HD03R.

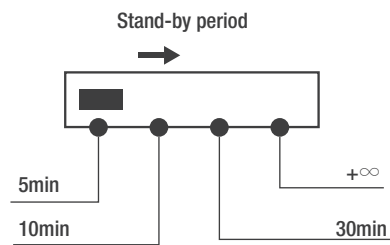
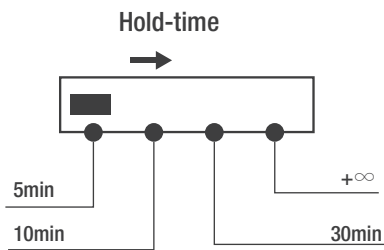
Wiring diagram



Detection coverage



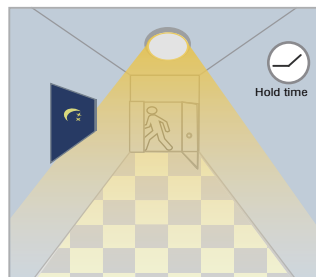
Settings



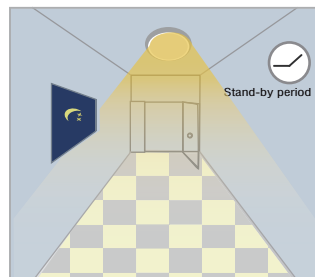
Application Function Demo - Dimmable control/Corridor function



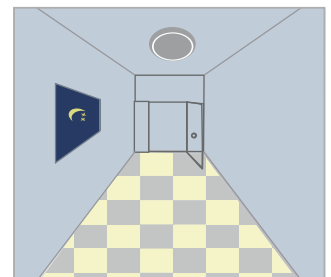
Light on at 100% full brightness when movement detected.



light keeping 100% brightness after moving objects leave the detection area during hold time.



After last detection, the light will be dimmed down to the stand-by dimming level 30% after holdtime.



After the stand-by period, light OFF.

Remote for dimmable sensors with memory function

HD03R

ON/OFF

- "ON/OFF" key only functions as a switch of the light.
- If press this button to turn off the lamp before it's short-circuited, the lamp will remain off after power-on again.

Auto Mode

Press "Auto Mode" button, the sensor starts to work and all settings remain the same before the light gets switched on/off.

Reset

- Press "Reset" button, change brightness to max level.
- Press "Reset" button, products with DIP switch will be controlled by DIP switches; otherwise all the setting will be just initial, that is 100% detection range, hold time 5S, no stand-by time and daylight threshold disabled.

Flick after press any button

Flick only after press "Apply" button

+/-

- To adjust brightness 10-100% in on/off mode.
- To adjust highest brightness 60-100% in sensor mode.

Start

Press "Start" to customize scene, users can change detection range, daylight threshold, holdtime, standby dimming level and standby period.

Memory

- Press "Memory" to save all the settings.
- The settings remained as the last time if not get reseted values.

Apply

- Press "Apply" to deliver the saved setting.
- Press "Apply" without "memory" will make all the setting one-time operation.
- Settings should be done within 30S, otherwise it exits memory mode.

Detection area (Press to define detection area 100%/75%/50%/25%.)

Hold time (Press to define holdtime 5s/30s/1min/3min /5min/10min/20min/30min .)

Stand-by dimming level (Press to define stand-by dimming level 10%/20%/30%/50%.)

Stand-by period (Press to define stand-by period 0s/10s/30s/1min/5min/10min/30min/+∞.)
Note: "0s" means no standby period; "+∞" means unlimited standby period.

Daylight threshold (Press to define daylight level 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable.)
Note: Disable means light will be turned on once sensor detects movement, regardless of the ambient lux.

Test (2s)

The button "Test (2s)" is for testing purpose after commissioning. Pressing this button, the sensor goes to test mode (hold time is only 2s)

HD03R Instruction

Memory & Apply Mode

1. Press "ON/OFF button" to turn on the light or off.
2. To reset the parameters, Please follow the steps as below:
Step 1 - Press ON, to turn on the light if it was off at the start.
Step 2 - Press "Start" to the well-setting sensor.
Step 3 - Press the button of Detection range, Hold time, Stand-by dimming level, Stand-by period and Daylight threshold one after the other in sequence.
Step 5 – Press "Memory" to memorize the settings.

Note: The interval of each parameter setting shall be controlled within 30s.

3. To programme other lights in the array that have similar sensors to the same programme.

Step 1 - Press "ON" to the second sensor

Step 2 - Press "Apply"

Isolated Setting Mode

1. Press "ON/OFF button" to turn on the light or off. Press "Auto Mode", the remote will activate settings that were saved last or remain at the factory default settings.
2. To reset the parameters, Please follow the steps as below:
Step 1 - Press ON, to turn on the light if it was off at the start.
Step 2- Press any button of "Auto Mode", "Reset" , Test" and "Apply" to begin the sensor detection mode.
Step 3 - Press the button of Detection range, Hold time, Stand-by dimming level, Stand-by period and Daylight threshold one after the other in sequence.

Notes:

1. Settings will be saved automatically and remain until you press reset again.
2. Light will flicker when setting each parameter.