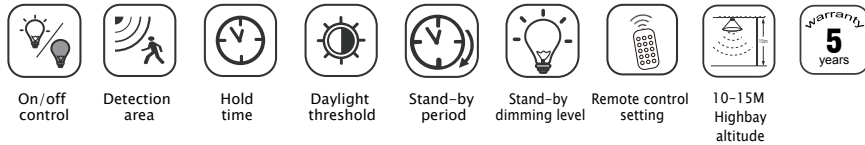


PIUG & PLAY

HD06VCRH 3

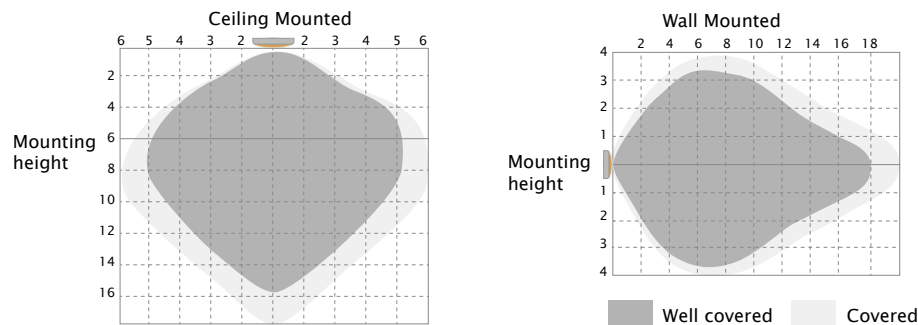
1. Automatic On/off control with Daylight sensor.
2. Optional detection range, holdtime , daylight threshold, Stand-by period and Stand-by dimming level.
3. Remote control setting.
4. 5 year limited warranty.



Detection coverage

Typical installation height 15m

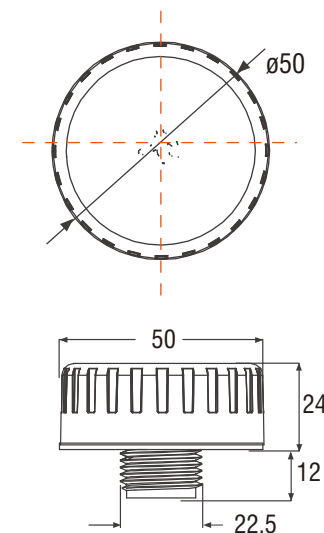
This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.



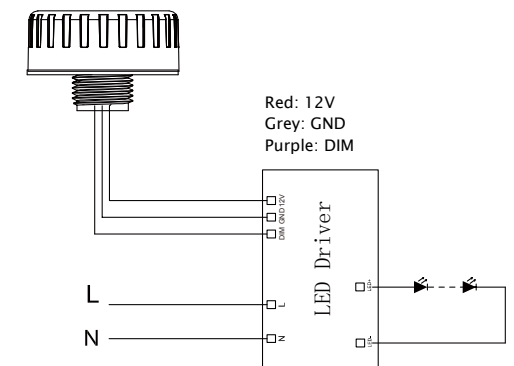
Technical data

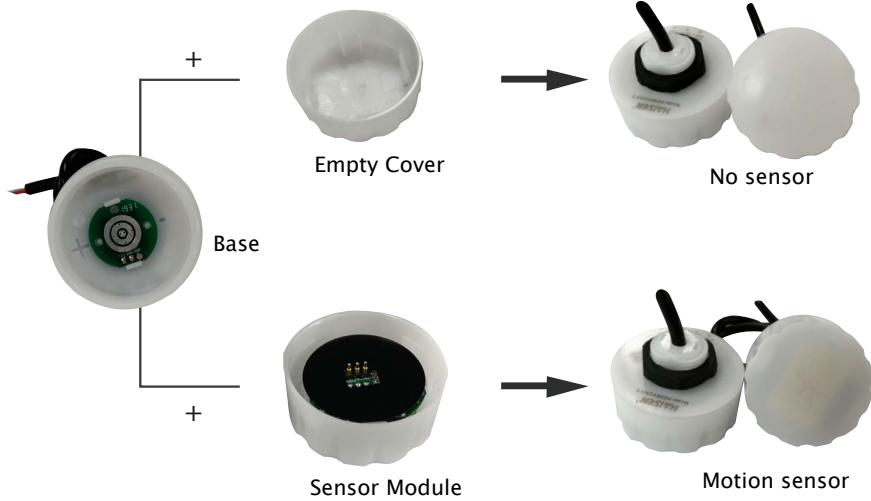
Operating voltage	10-15VDC
Operating current	30mA±5%
Output	DIM 0-10V
Stand-by power	≤0.5W
Detection area	25%/50%/75%/100%
Hold time	5s/30s/1min/3min/5min/10min/20min/30min
Daylight threshold	2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable
Stand-by period	0s/10s/30s/1min/5min/10min/30min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Mounting height	15m/49.2ft (ceiling mounted)
Detection range	Max,ø14m/45.92ft (ceiling mounted)
Operating temperature	-20°C~+60°C
Motion detection	0.5~1.5m/s
IP rating	IP65
Warranty	5 years

Dimensions (Unit: mm)



Wiring diagram





The bottom part will be always on the lighting fixtures; if the function is needed, the module will be placed inside; if no function needed, the module will be removed. It doesn't hurt the looking of the whole pack.



No sensor



Motion sensor

Daylight Priority

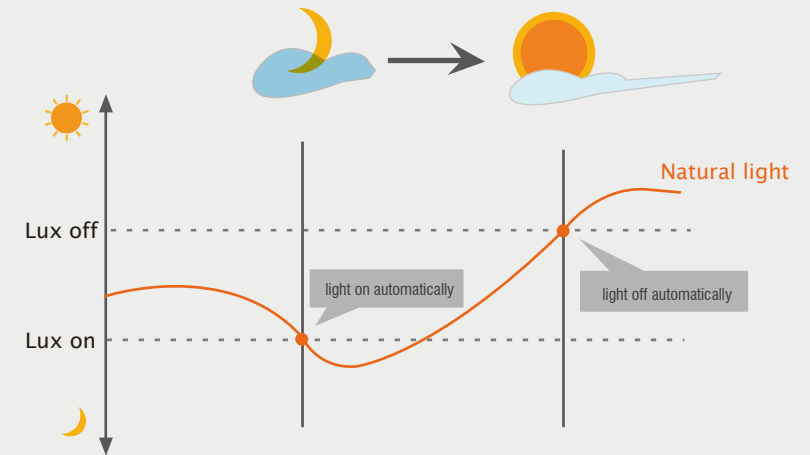
Dusk/Dawn sensor:

Dual-PD technology brings a fully automatic dusk/dawn sensor which can tell the difference between natural light and LED light, to ensure the light will be off when needed.

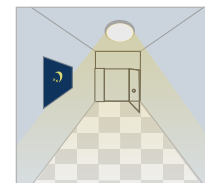
With Daylight priority function, HD06VCRH 3 is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

Precondition of Daylight priority:

1. Standby period is $+\infty$;
2. Standby dimming level is on 10%, 20% or 30%;
3. Daylight threshold is on 30Lux, 50Lux, 80Lux or 120Lux.



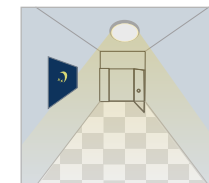
Application Daylight priority



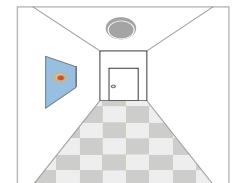
Light automatically on when ambient brightness is lower than preset lux level.



With insufficient ambient brightness, light dims to 100% when motion detected.



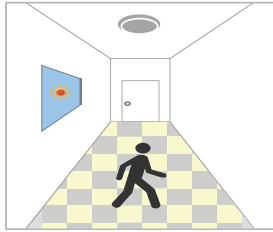
Light dims to standby level if no motion detected after holdtime.



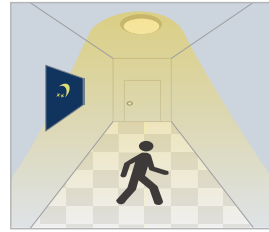
Light off when ambient lux level is higher than preset lux amount.

1. Automatically ON/OFF function:

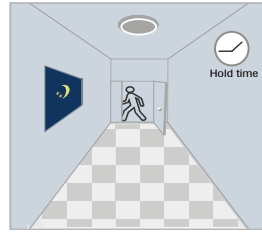
Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase.



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



With insufficient daylight, when motion detected, light ON.



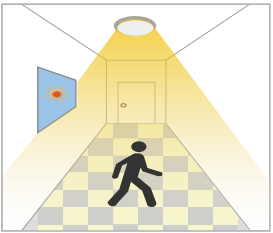
After the last detection and the present hold time elapsed, light OFF.

2. No daylight function

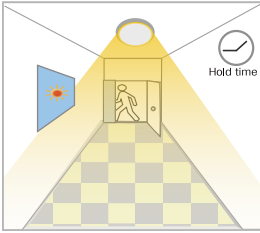
The daylight threshold is set to "Disable".

Light on when detect movement, After people leave, Light off after stand-by period.

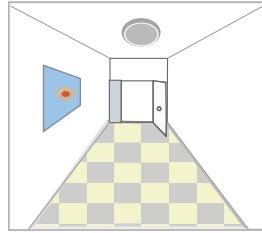
Applications: Dim places such as Basement Parking, Underpass.



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

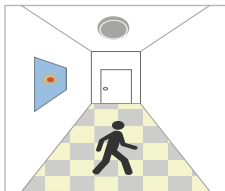


After people leave the detection area, light remains 100% brightness within hold time.



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

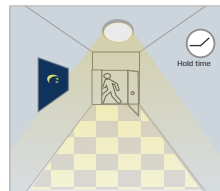
3. Function Demo - Dimmable control/Corridor function



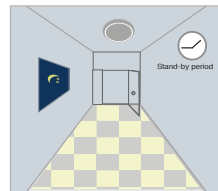
With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



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

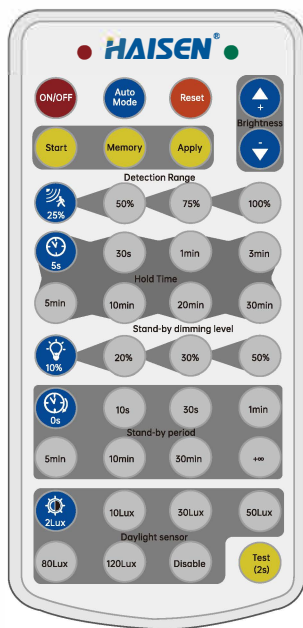


After the stand-by period, light OFF.

HAISEN®

REMOTE FOR DIMMABLE SENSORS WITH MEMORY FUNCTION

Model: HD03R



Remote Keys	Function	Performance
	ON/OFF	<ol style="list-style-type: none"> "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	<ol style="list-style-type: none"> 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.
	+/-	<ol style="list-style-type: none"> To adjust brightness 10-100% in on/off mode. To adjust highest brightness 60-100% in sensor mode.
	Start	<p>Press "Start" to customize scene, users can change detection range, daylight threshold, holdtime, standby dimming level and standby period.</p> <ol style="list-style-type: none"> Press "Memory" to save all the settings. The settings remained as the last time if not get resetted values.
	Memory	<ol style="list-style-type: none"> 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.
	Apply	
	Detection area	Detection area (Press to define detection area 100%/75%/50%/25%)
	Hold time	Hold time (Press to define holdtime 5s/30s/1min/3min/5min/10min/20min/30min)
	Daylight Threshold	Stand-by dimming level (Press to define stand-by dimming level 10%/20%/30%/50%.)
	Stand-by period	<p>Stand-by period (Press to define stand-by period 0s/10s/30s/1min/5min/10min/30min/+∞.)</p> <p>Note: "0s" means no standby period; "+∞" means unlimited standby period.</p>
	Stand-by dimming level	<p>Daylight threshold (Press to define daylight level 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable.)</p> <p>Note: Disable means light will be turned on once sensor detects movement, regardless of the ambient lux.</p>
	Test mode	The button "Test (2s)" is for testing purpose after commissioning. Pressing this button, the sensor goes to test mode (hold time is only 2s)

HOW TO USE HD03R

HD03R

Sensor Programming:

For single sensor testing purpose

1. ON/OFF button to turn on the light
2. RESET button so start programming
3. Choose necessary functional buttons of all the zones: detection area, holdtime, standby dimming level, standby period and daylight threshold
4. Done and leave it; the program has been well kept in the remote now

For project programming purpose

@the 1st sensor

1. ON/OFF button to turn on the light
2. RESET button so start programming
3. START button
4. Choose necessary functional buttons of all the zones, detection area, holdtime, standby dimming level, standby period and daylight threshold
5. MEMORY button to keep the program inside the remote
6. APPLY button to deliver the kept program
7. Done and leave it

@the rest sensors

1. ON/OFF button to turn on the light
2. RESET button so start programming
3. APPLY button to deliver the kept program

Manually dimming:

1. ON/OFF button to turn on the light
2. Press + - Buttons on the right top corner to manually dim up or down the light.
3. Press TEST(2S) button to test if the sensor has been well connected; it will keep light ON for 2S only.