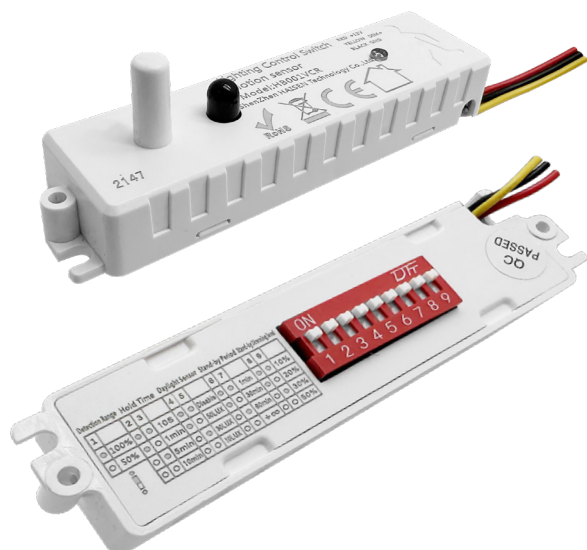




Microwave Motion Sensor



Detail Specifications

- Bi-level dimmable with daylight threshold
- Workable with HD05R remote threshold
- Suitable for linear light
- DIP switch at front version available

TECHNICAL DATA

OPERATING VOLTAGE	10.5-15V DC
OPERATING CURRENT	<30mA
STAND-BY POWER	<0.5W
DIMMING	1-10V
DETECTION ANGLE	30-150° Without Glass Cover DIP Switch: 50%/100% Remote Control: 25% / 50% / 75% / 100%
MICROWAVE POWER	<0.3mW
MICROWAVE FREQUENCY	5.8GHz ± 75MHz
MOTION DETECTION	0.5-1m/s
HOLD TIME	10s / 1min / 5min / 10min
MOUNTING HEIGHT	Max. 13.8ft. (Ceiling Mounted)
DETECTION RANGE	Max. 32.8ft. (Ceiling Mounted)
OPERATING TEMPERATURE	-4°F ~ +140°F
CONNECTION TYPE	RED: +12V / YELLOW: DIM+ / BLACK: GND
FUNCTION SETTING	HD05R Remote
DAYLIGHT THRESHOLD	2Lux / 10Lux / 30Lux / 50Lux / 80Lux / 120Lux / Disable
STAND-BY TIME	DIP Switch: 1min / 30min / 60min / +∞ Remote: 0s / 10s / 30s / 1min. / 30min. / 60min./+
STAND-BY DIMMING LEVEL	DIP Switch: 10% / 20% / 30% / 50% Remote: 10% / 20% / 30% / 50%
IP RATING	IP20



ON/OFF Control



Stand-By Dimming Level



Detection Area



Remote Control Settings



Hold Time



10-15M Highbay Height



Daylight Sensor

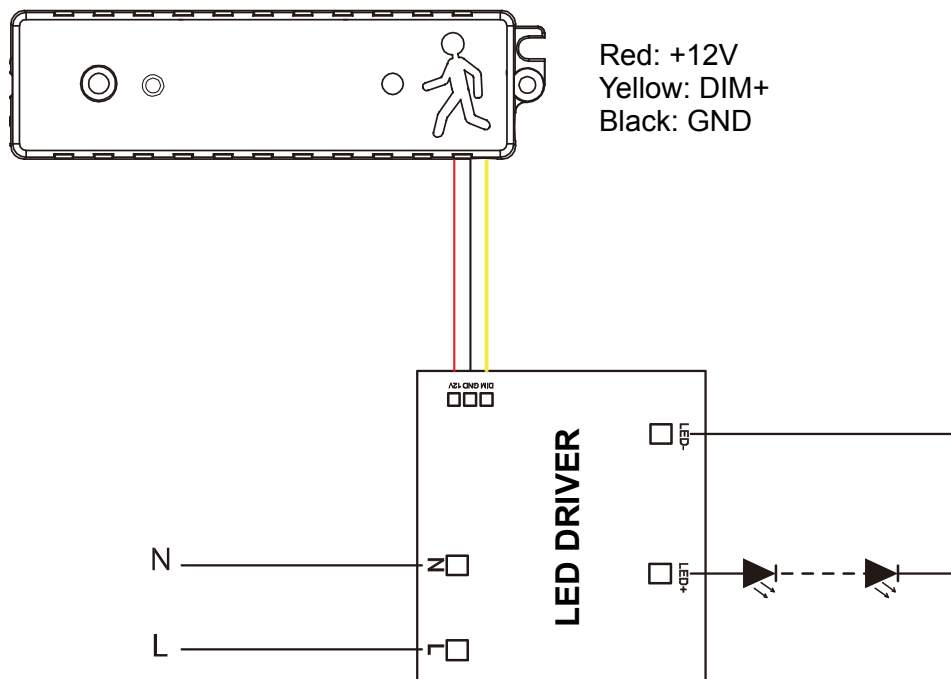


Stand-by Period

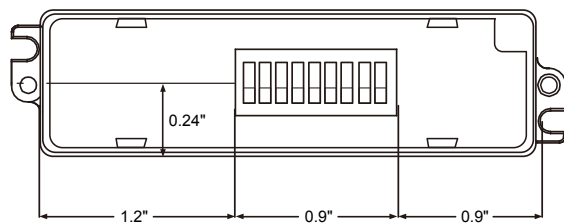
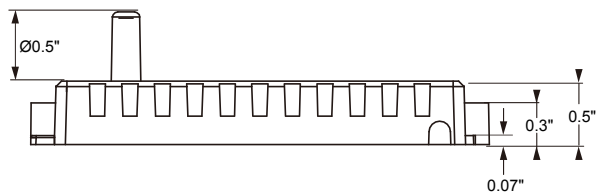
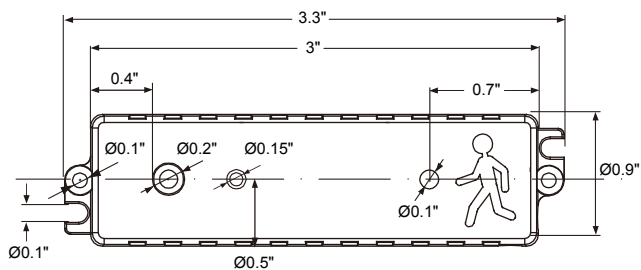
Series
HB001VCR

Specs and model numbers are subject to change with or without notice.

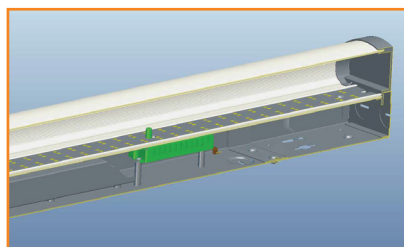
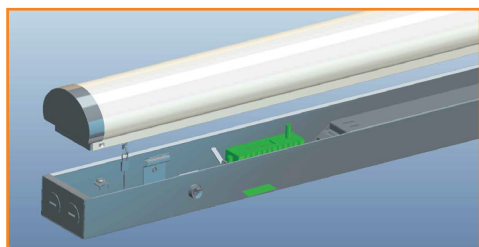
INSTALLATION



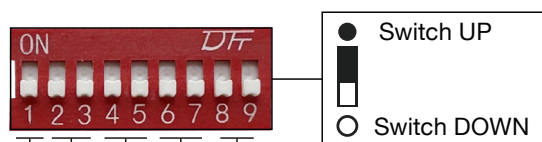
DIMENSIONS



INSTALLATION METHOD



DIP SWITCH SETTING



Stand-By
Dimming Mode

●	●	10%
●	○	20%
○	●	30%
○	○	50%

The definition of low output in the standby period

Stand-By
Period

●	●	1min.
●	○	30min.
○	●	60min.
○	○	+ ∞

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

Daylight
Threshold

●	●	Disable
●	○	50lux
○	○	30lux
○	○	10lux

Definition of the ambient brightness; only when the ambient brightness is lower that 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.

Hold Time

●	●	1min.
●	○	10min.
○	●	20min.
○	○	30min.

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

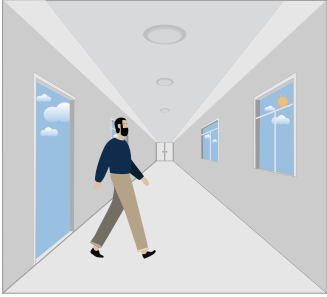
Detection Area

●	100%
○	50%

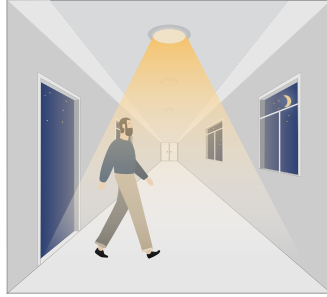
In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitivity.

PERFORMANCE

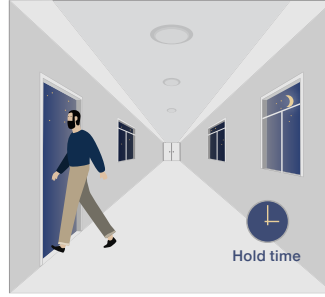
1. Automatic ON/OFF Function



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



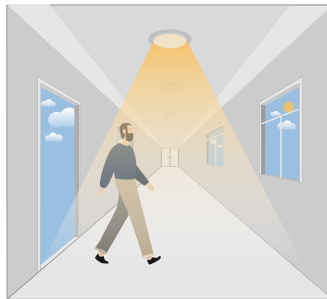
With insufficient daylight, the sensor turns light ON when motion gets detected,



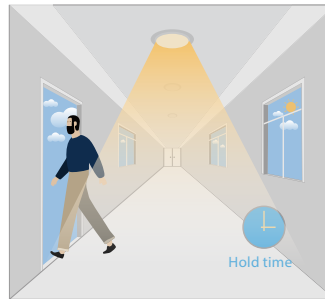
The sensor turns OFF light automatically after the holdtime when there's no motion detected.

2. Daylight Disable

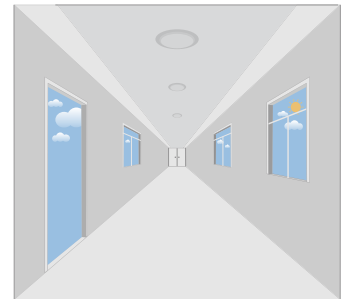
When daylight threshold is preset as "Disable", the sensor turns light ON when motion gets detected, and OFF after hold-time.



The sensor turns light ON when motion gets detected.

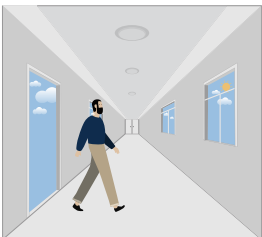


The sensor keeps light ON for holdtime period after motion leaves.

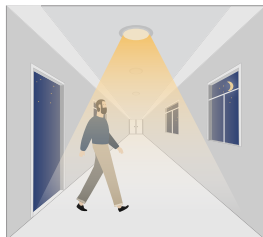


The sensor turns OFF light automatically after the holdtime.

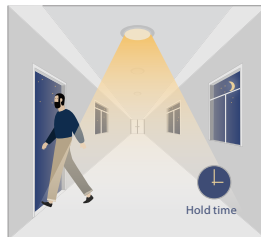
3. Corridor Function, Bi-Level Dimmable



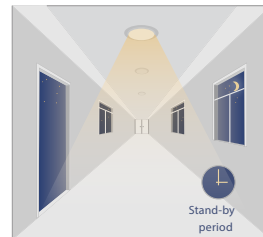
With sufficient daylight, the sensor keeps light OFF even motion gets detected.



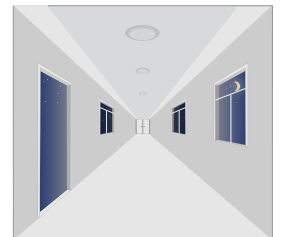
With insufficient daylight, the sensor turns light ON when motion gets detected,



After there's no motion detected, the sensor keeps light ON 100% for holdtime.



After holdtime, sensor dims light to standby dimming level for standby period.



The sensor turns OFF light automatically after the standby period when there's no motion detected.

PERFORMANCE

1. Please read the instructions carefully before using this product and keep it well for all users to read at any time.
2. The sensor should be installed by qualified electrician and ensure power is off before the installation.
3. We reserve the right to modify any incorrect text, image and necessary technical parameters.
4. Any unauthorized modification is forbidden, otherwise all guarantees will be immediately invalid.

INSTALLATION PRECAUTIONS

1. Microwave sensor can be installed in any lamp except the one with full metal shell.
2. The detected surface cannot be shielded by metal objects.
3. Make sure the microwave module is completely exposed outside.
4. The detection surface of the sensor module shall be installed facing the detection area.
5. Should be kept away from the driver to avoid interference generation and lamp flashing.
6. Wiring must be strictly in accordance with the wiring diagram to avoid short circuit.

APPLICATION ENVIRONMENT

1. Suitable for indoor installation to avoid false triggering due to external factors such as rain, wind or tree swing.
2. Shall not be installed in the place with all four metal shelters and small space (such as galvanized-iron roof).
3. Shall not be mounted installation, so as to avoid false trigger caused by the lamp itself shaking.
4. Shall not be installed next to large operating machines such as ventilator/ceiling fan to avoid false triggering caused by machine vibration.

USER NOTES

1. Microwave can penetrate walls or glass thinner than <20mm and attenuate if thicker than <20mm.
2. The driver voltage shall be stable and float within 10%
3. Detection area will be affected by speed of motion, mounting height and movement volume.
4. Conduct test on sunny days without the lampshade which will affect the tested lux value.

REMOTE CONTROL



Remote Keys	Keys Function	Keys Introduction
	ON/OFF	Switch ON/OFF the light; Switch OFF the sensor function.
	MW/PIR	Mode Switch
	Reset	Switch to sensor mode and recover all settings to be factory default setting (Detection area 100%, Hold time 5s, Daylight - Disable Stand-by period 0s, Stand-by dimming level 10%)
	Start	Press the key to start the setting of parameters with memory and apply function under the sensor mode. 1 Press "START", the letter "S" will flash in the lower lefty corner of the display, then start to set up all parameter. 2 After setting all parameters, press "MEMORY" to store settings and keep until the next reset. 3 Press "APPLY" to set the sensor with stored settings within the remote IR range 4 Note: All data shown in the display are the settings after pressing "MEMORY"
	Memory	
	Apply	
	Detection Area	Under sensor mode, press the key, the icon on the display flashes, press "+" / "-" to select the sensitivity.
	Hold Time	Under sensor mode, press the key, the icon on the display flashes, press "+" / "-" to select the hold time. HD06VCRH 782: 5s/30s/1min/3min/5min/10min/20min/30min HD015VCRH: 5s/30s/1min/3min/5min/10min/20min/30min HB001VCR 1: 10s/1min/5min/10min HB002VCR: 5s/30s/1min/3min/5min/10min/20min/30min
	Daylight Threshold	Under sensor mode, press the key, the corresponding icon on the display flashes, press "+" / "-" to select the daylight threshold
	Stand-by Period	Under sensor mode, press the key, the corresponding icon on the display flashes, press "+" / "-" to select the low brightness time. HD06VCRH 782: 0s/10s/30s/1min/5min/10min/30min/60min + ∞ HD015VCRH: 0s/10s/30s/1min/5min/10min/30min + ∞ HB001VCR 1: 1min/30min/60min + ∞ HB002VCR: 0s/10s/30s/1min/5min/10min/30min/60min + ∞
	Stand-by Dimming Level	Under sensor mode, press the key, the corresponding icon on the display flashes, press "+" / "-" to select the brightness durint stand-by period

Series
HD05R