










CE  FC

IP65 High altitude installation DIP Switch HD406VRH-D

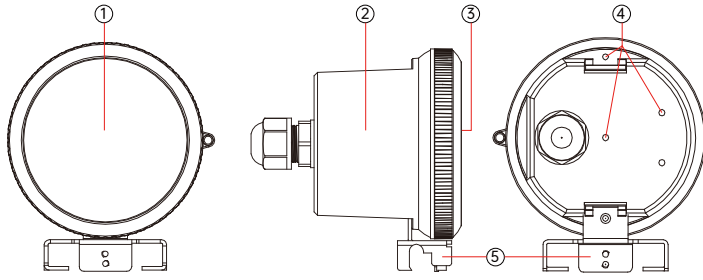
- 5.8GHz microwave motion sensor with dimmable function.
- Supporting different installation and applications, for surface mounting, traditional LED high bay with aluminium reflector, UFO highbay or linear/triproof high bay.
- Max. installation height is 15m/49.21ft. •1-10V Dimming.
- Remote control. •5 years warranty.

-  On/Off Control
-  Detection Area
-  Daylight Sensor
-  Hold Time
-  Warranty
-  Stand-by period
-  Stand-by dimming level

Technical Data

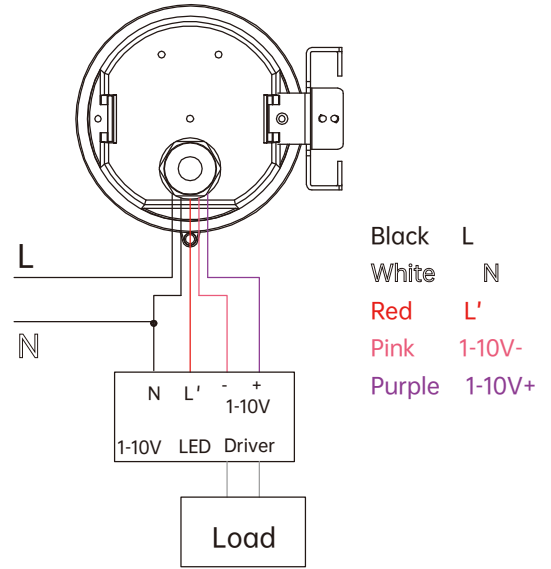
Operating Voltage 120-277VAC,50Hz/60Hz	Detection Area 50%/100%	Motion Detection 0.5~1.5m/s
Operating Temperature -35°C~+60°C	Hold Time 5s/30s/1min/5min/10min/20min/30min	Safety Standard EN61347-1 EN61347-2-13 EN60598-1
Stand-by power ≤1W	Daylight Threshold 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable	Mounting Height Max.15m (49.21ft)
Microwave Frequency 5.8GHz±75MHz	Stand-by Period 0s/10s/30s/1min/5min/30min/+∞	Detection Range Max.ø14m (45.93ft)
Microwave Power <0.3mW	Stand-by dimming level 10%/20%/30%/50%	IP Rating IP65
Switching Capacity Max,3.0A@120Vac,50/60Hz; Max,2.0A@277Vac,50/60Hz		Warranty 5 Years
Control Method DIP Switch		

Factory Default Setting: Detection area 100%/ Hold time 5s/ Daylight threshold Disable/Stand-by period 0s/Stand-by dimming level 10%. Can be customized default programming.



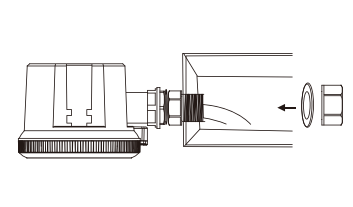
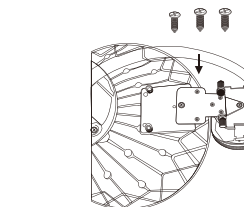
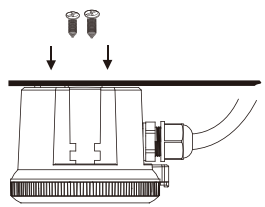
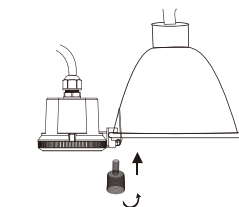
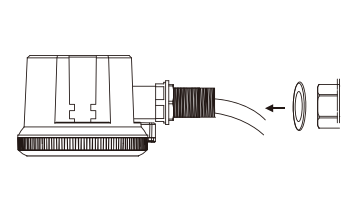
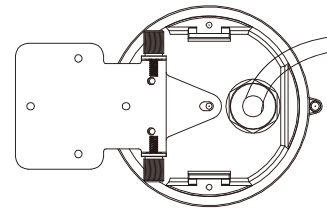
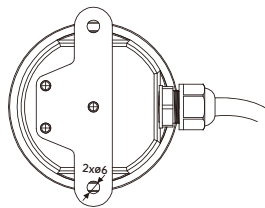
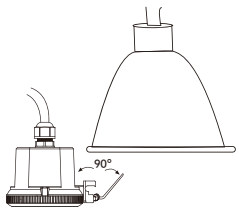
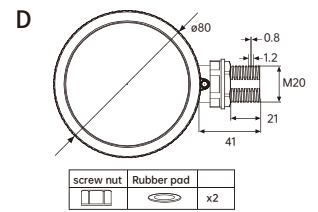
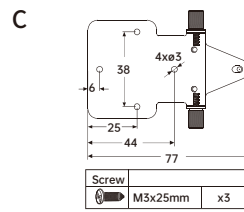
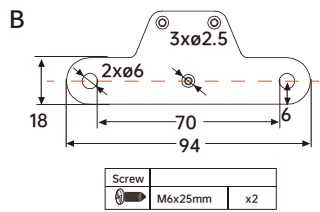
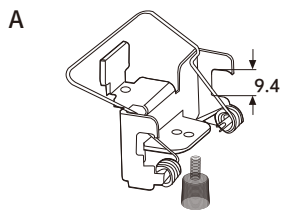
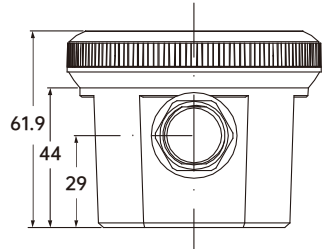
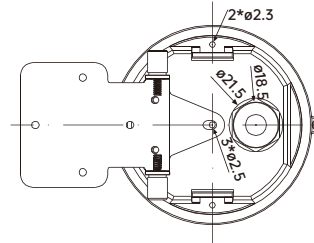
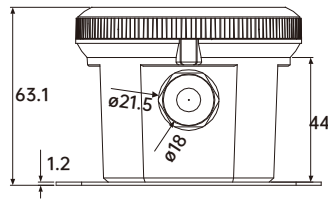
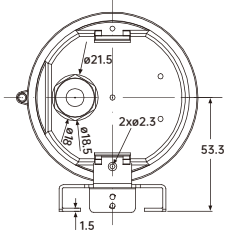
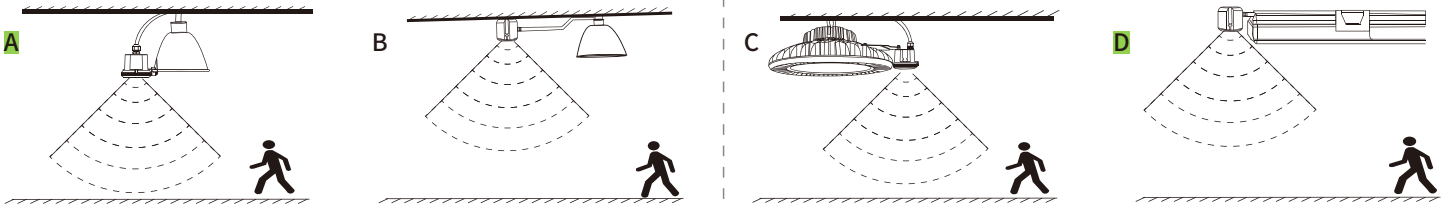
- ① Microwave Module
- ② Bottom Case
- ③ Upper Cover
- ④ Installation Hole
- ⑤ Mounting Bracket

Shown-part length about 2.7FT

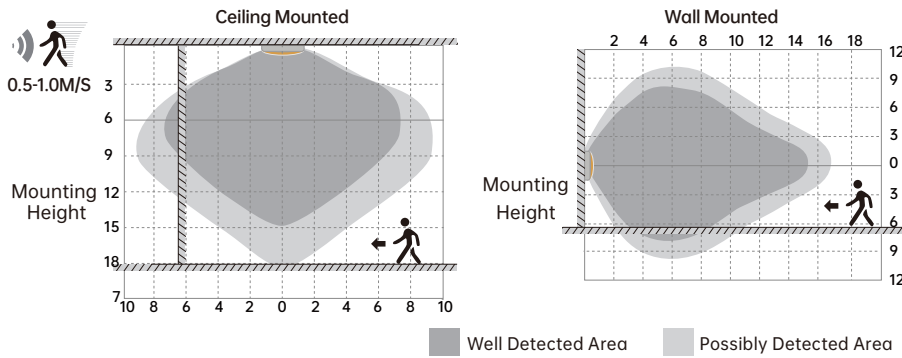


Installation Method

Unit:mm



Detection Patterns



Highest mounting height is 15m

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

DIP Switch Setting

ON OFF

1 2 3 4 5 6 7 8 9 10 11 12

● Switch UP

○ Switch DOWN

●	●	10%
●	○	20%
○	●	30%
○	○	50%

Stand-by dimming level

The definition of low output in the standby period.

●	●	0s
○	●	10s
●	○	30s
○	○	1min
○	●	5min
●	○	30min
○	○	+∞

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.

●	●	Disable
○	●	120lux
●	○	80lux
○	○	50lux
○	●	30lux
●	○	10lux
○	○	2lux

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.

●	●	5s
○	●	30s
●	○	1min
○	○	5min
○	●	10min
●	○	20min
○	○	30min

Hold-Time

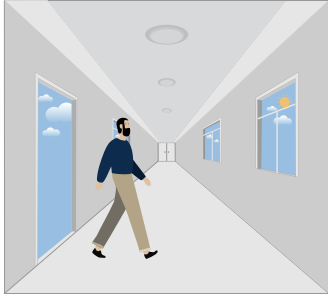
The period of light keeping 100% brightness after moving objects leave the detection area.

●	100%
○	50%

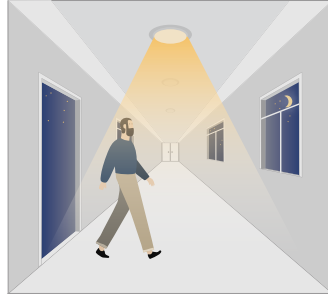
Detection Area

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

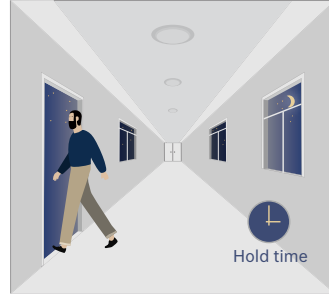
1. Automatically ON/OFF function



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



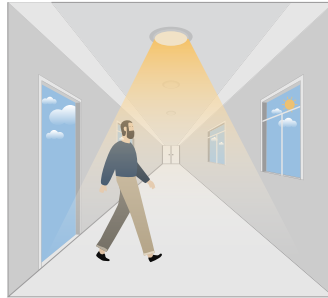
With insufficient daylight, the sensor turns light ON when motion gets detected.



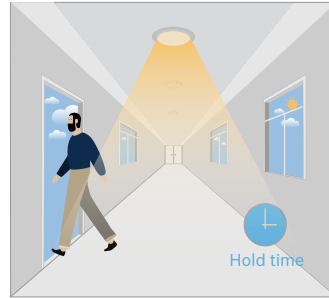
The sensor turns OFF light automatically after the holdtime when there's no motion detected.

2. Daylight Disable

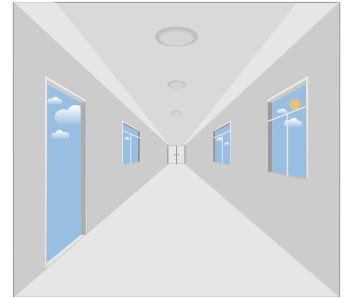
When daylight threshold is preset as "disable", the sensor turns light ON when motion gets detected, and OFF after hold-time.



The sensor turns light ON when motion gets detected.

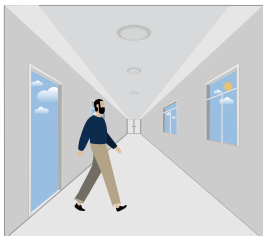


The sensor keeps light ON for holdtime period after motion leaves.

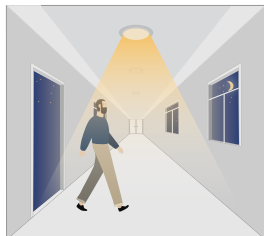


The sensor turns OFF light automatically after the holdtime.

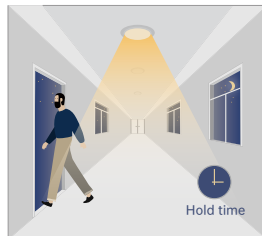
3. Corridor Function, Bi-level Dimmable



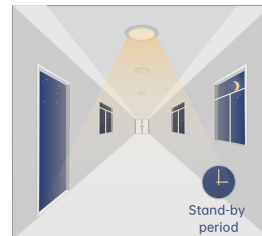
With sufficient daylight, the sensor keeps light OFF even motion gets detected.



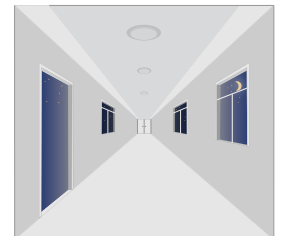
With insufficient daylight, the sensor turns light ON when motion gets detected.



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.



Attention

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 note 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.