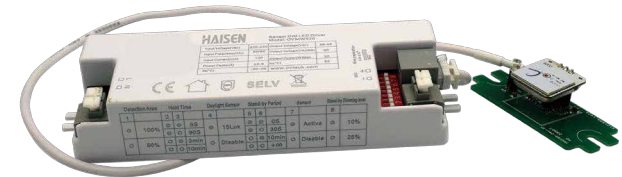
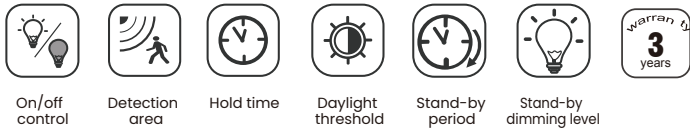


SET-UP INSTRUCTIONS



Features

1. 5.8GHz microwave motion sensor with dimmable function.
2. Suitable for Tri-Proof light.
3. Detached version flexible installation.
4. Constant current output.
5. 3 year limited warranty.



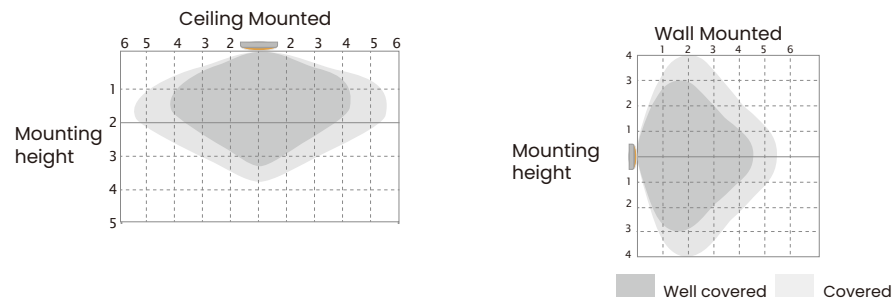
Technical Data

Input voltage	220-240VAC 50/60Hz
Input current	0.12A(Max)
Input power	24W (Max)
Stand-by power	≤ 1W (230VAC)
Output LED current	300mA
Output LED voltage	28V-42V DC
Output LED power	12W
Detection area	50%/100%
Hold time	5s/90s/3min/10min
Daylight threshold	15 Lux/Disable
Stand-by period	0s / 30s / 10min / + ∞
Stand-by dimming level	10%/25%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Mounting height	2.5-4.5m (ceiling mounted)
Detection range	Radius, 3-7m (ceiling mounted)
Empty load voltage	≤ 55VDC
Power factor	≥ 0.9
Efficiency	≥ 80% (Max.)
Operating temperature	Ta: -20°C-50°C Tc: 80°C
Abnormal protection	SCP: Auto recovery,OVP,OCP,OTP
IP rating	IP20

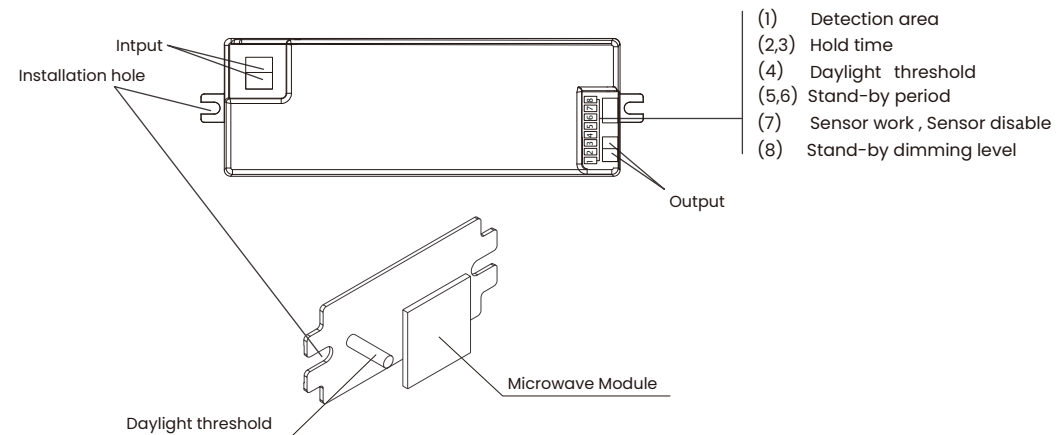
Factory Default Setting: Detection area 100%/ Hold time 5s/ Daylight threshold Disable/Stand-

Detection Coverage

The Diagram as below shows the detection radius under 100% of detection range

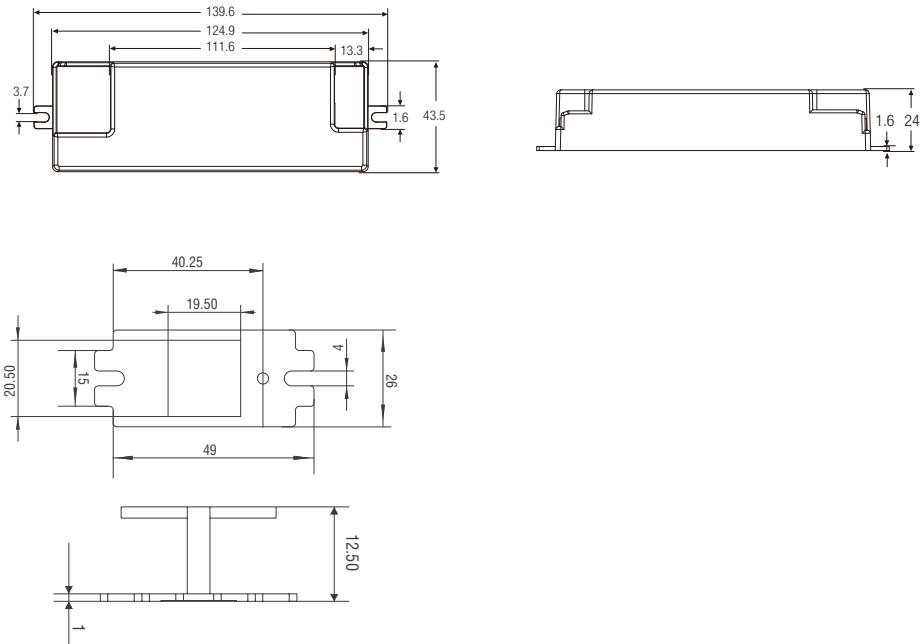


Mechanical Structure

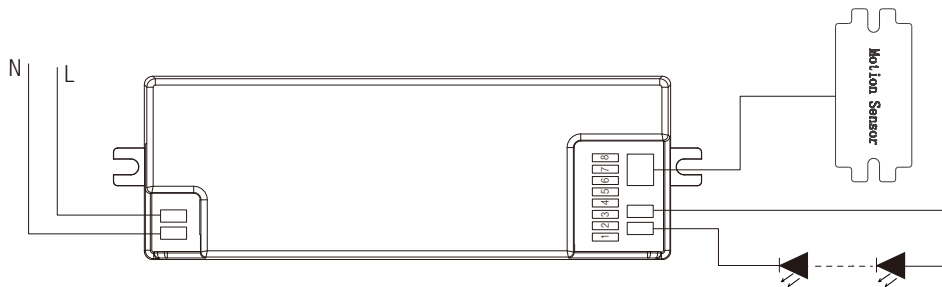


Dimensions (Unit: mm)

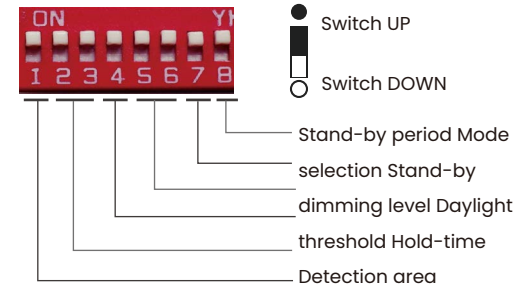
HD01VR-4 Wire diameter 4mm, Standard Version Cable Length 480±10mm (can be customized).



Wiring Diagram



Settings



<input checked="" type="radio"/>	100%
<input type="radio"/>	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.

<input checked="" type="radio"/>	<input checked="" type="radio"/>	5s
<input checked="" type="radio"/>	<input type="radio"/>	90s
<input type="radio"/>	<input checked="" type="radio"/>	3min
<input type="radio"/>	<input type="radio"/>	10min

Hold-time

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

<input checked="" type="radio"/>	15lux
<input type="radio"/>	Disable

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 of the ambient brightness.

<input checked="" type="radio"/>	<input checked="" type="radio"/>	0s
<input checked="" type="radio"/>	<input type="radio"/>	30s
<input type="radio"/>	<input checked="" type="radio"/>	10min
<input type="radio"/>	<input type="radio"/>	+∞

Stand-by period

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

<input checked="" type="radio"/>	Sensor work
<input type="radio"/>	Sensor disable

Mode selection

Sensor mode on when the DIP switch is up; sensor mode off when the DIP switch is down.

<input checked="" type="radio"/>	10%
<input type="radio"/>	25%

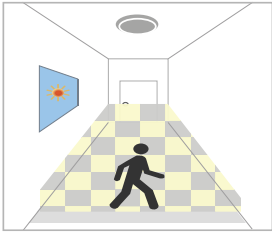
Stand-by dimming level

The definition of low output in the standby period.

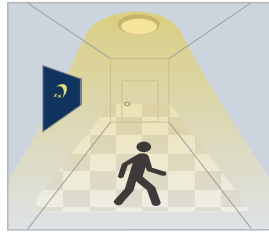
Application

1. Automatically ON/OFF function:

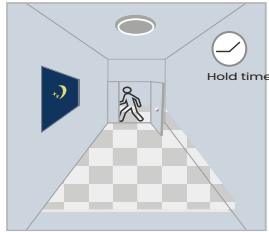
Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase. The daylight threshold is set to "2lux,10lux,50lux"



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



With insufficient daylight, when motion detected, light ON.



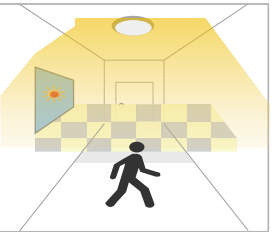
After the last detection and the present hold time elapsed, light OFF.

2. No Daylight Function

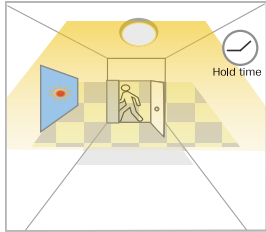
The daylight threshold is set to "Disable".

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

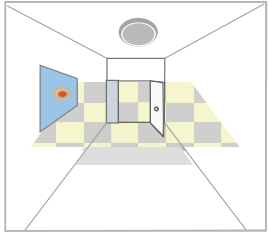
Applications: Dim places such as Basement Parking, Underpass.



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

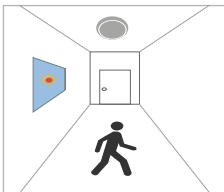


After people leave the detection area, light remains 100% brightness within hold time.

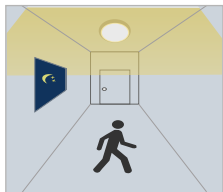


After the last detection and the present hold time elapsed, light OFF.

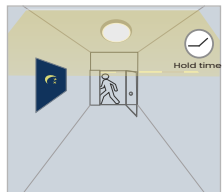
3. Function Demo - Dimmable control/Corridor function



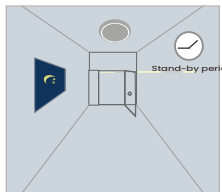
With sufficient daylight, even when motion detected, light remains OFF.



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 hold time.



After the stand-by period, light OFF.

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 unauthorised 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 galvanised 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 20cm and attenuate if thicker than 20cm.
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.