Microwave Motion Sensor

SKU Number: GL22030
Item Number: HD406VRH
Operating Voltage: AC 120-277V 50/60Hz
Switching Capacity: Max.3.0A@120Vac,50/60Hz
Max.2.0A@277Vac,50/60Hz
Stand-by Power: ≤1W
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: <1mW
Mounting Height: Max.15m
Detection Range: Max.ø14m
Control Line: Brown L, Blue N, Yellow L’, Black -, Red + Operating Temperature: -35℃~+60℃
IP Rating: IP65
Detection Angle: 30°-150°
Safety Standard: EN61347-1 EN61347-2-13 EN60598-1

Note: Motion sensor setting and dimming setting please refer to remote control HD02R/HD03R.
Mechanical structure (mm)
Installation Method

<table>
<thead>
<tr>
<th>HD406VRH(A)</th>
<th>HD406VRH(B)</th>
<th>HD406VRH(C)</th>
<th>HD406VRH(D)</th>
</tr>
</thead>
</table>

Detection Coverage

![Detection Coverage Diagram](image)

Application

- 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.
Remote for dimmable sensors

ON/OFF
Press the “On/off” button, the light keeps permanently on or off. Press “Auto Mode”, “Reset” or “Scene mode” buttons to quit from this mode.

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, 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.

Scene Mode (locked)

<table>
<thead>
<tr>
<th>Scene mode</th>
<th>Detection area</th>
<th>Hold time</th>
<th>Daylight threshold</th>
<th>Stand-by period</th>
<th>Stand-by dimming level</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC1</td>
<td>100%</td>
<td>30s</td>
<td>2Lux</td>
<td>1min</td>
<td>10%</td>
</tr>
<tr>
<td>SC2</td>
<td>100%</td>
<td>5min</td>
<td>10Lux</td>
<td>1min</td>
<td>10%</td>
</tr>
<tr>
<td>SC3</td>
<td>100%</td>
<td>10min</td>
<td>50Lux</td>
<td>30min</td>
<td>10%</td>
</tr>
<tr>
<td>SC4</td>
<td>100%</td>
<td>30min</td>
<td>Disable</td>
<td>+∞</td>
<td>10%</td>
</tr>
</tbody>
</table>

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.)

Attention

1. Light turns on when sensor is wired correctly.
2. When using on/off button, the rest setting buttons don’t work.
3. Press “Auto Mode”, “Scene mode” or “Reset” button before setting detection range, holdtime, daylight threshold, stand-by dimming level and stand-by period, sensor flickers after receiving signals.
4. Every change will be automatically saved.