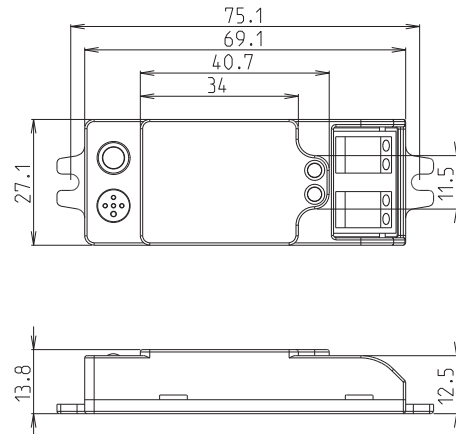
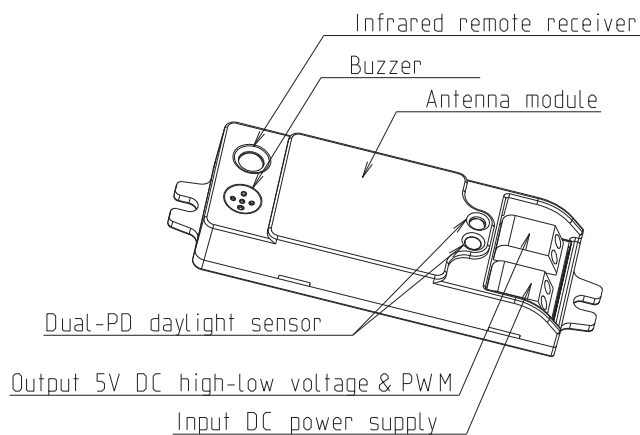


On/off control - at high-low voltage output
Tri-level dimming control - at PWM output



Features

- 5.8GHz C-band microwave.
- Input voltage 12V DC (5V DC version available on request).
- Input current: $\geq 25\text{mA}$.
- 5V DC high-low voltage & PWM output signal.
- Super compact, flexible to be integrated into any suitable fixtures.
- Dual-PD technology, real Lux-Off & Daylight monitoring function for built-in application.
- IR remote commissioning, easy setting and user friendly.
- Detection range up to 12m in diameter.
- Mounting height: 3~6m.
- Operation temperature: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$.
- RoHS compliant.

Factory Defaults

- Sensitivity: 100%
- Daylight Sensing: Disabled
- Hold Time: 90 sec
- Standby time: Infinite
- Standby dimming level: 30%

Available Settings

- Sensitivity: 100%, 75%, 50%, 25%
- Daylight Sensing (lux): Disabled, 2, 10, 25, 50, 100, 300, Ambient Learn
- Hold time: 30s, 90s, 5m, 10m, 30m
- Standby time: 10s, 5m, 10m, 1h, Infinite
- Standby dimming level: 0%, 10%, 30%, 50%

Settings (Remote Control)



Permanent ON/OFF function

Press "ON/OFF" button, fixture goes to permanent on or permanent off mode, sensor is disabled.

*press "Auto", "Reset" or "Ambient learn" to quit this mode.



Dim +/-

Press "Dim" button to automatically dim up or down the light brightness during hold-time from 10% to 100%. Another press to lock it down when desired brightness is achieved.

*after desired brightness is locked down, if user wants to dim again reversely, just press the "Dim" button again and then lock down the new brightness again.



Sensor mode

Press "Auto" button, the sensor starts to work and all settings remain the same as the latest status before the light was switched on/off.



Reset function

Press "Reset" button, all settings go back to factory default settings.

* Factory default settings--

Sensitivity=100%
Daylight sensor=disable
Hold time=90s
Twilight time=5min
Twilight level=10%



Ambient learn

Press "Ambient learn" button, the latest surrounding lux value overwrites previous lux value learned, and set as the daylight threshold. This feature enables the fixture to function well in any real application circumstance.



Test mode

"Test mode" is for testing purpose only, for users to check the functionality and choose the desired detection range. The sensor goes to test mode automatically after pressing this button.

Users can quit this mode by pressing "ON/OFF", "Reset", or any button of "Hold time". The sensor settings are changed accordingly.

* Test mode defaulted settings--

Daylight sensor=disable
Hold time=3s
Twilight time=N/A
Twilight level=N/A

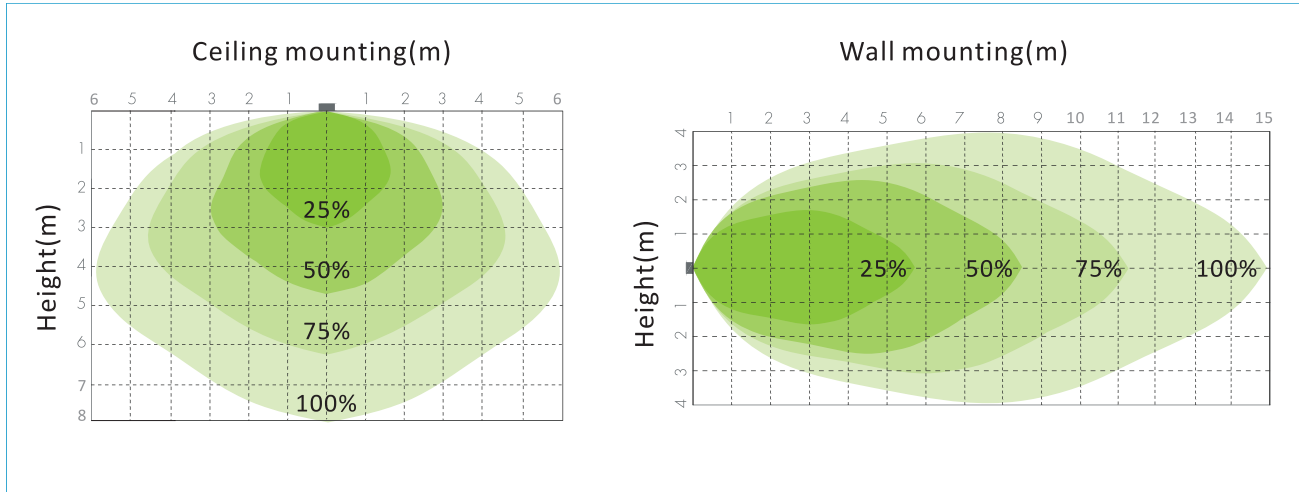
In this mode, when used for on/off control, after motion detected, sensor enters into a cycle of 3s on and 2s off.
In this mode, when used for tri-level dimming control, after motion detected, sensor enters into a cycle of 3s on and 2s off(0.5s soft off + 1.5s off).



Note:

- The buzzer short beeps(~0.5s) ONCE when sensor successfully receives RC signal after pressing any buttons except for "Ambient learn".
- The buzzer short beeps(~0.5s) TWICE to start learning ambient lux after pressing "Ambient learn". Then followed by a long beep(~1s) to indicate the success of ambient learning.
- When "twilight level" set at 0%, it becomes ON/OFF control.

Detection Pattern



Daylight Monitoring Function

Utilizing the Dual-PD technology, this sensor can tell the difference of natural light and artificial light(lamp) from behind the diffuser, switch on automatically(even without movements) when the ambient light is below target value, and then switch off automatically whenever the artificial light is not required(ambient light is bright enough).

This is the REAL & INTELLIGENT daylight monitoring sensor for built-in installation.

Note: Lux-Off sampling time--30s; Lux-On sampling time--10s.

Lux-On function takes effect only when standby dimming period set at $+\infty$.

