

Features

- Settings adjustable via DIP switches and optional **MSSD-RC** remote control
- Tri-level control via 1-10V output
- Accurate, reliable operation
- Up to 20' mounting height
- 5 Year limited warranty



Detection range



Hold time



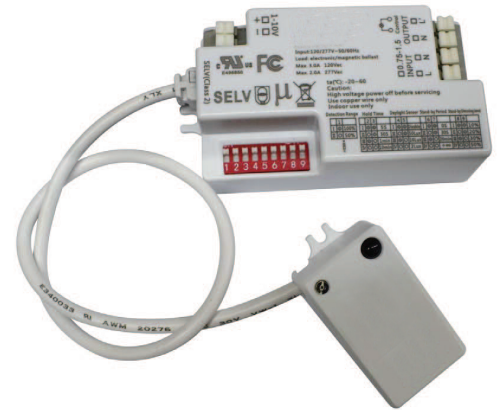
Stand-by dimming level



Daylight threshold



Stand-by period



Factory Default Settings

Defaults are indicated as [X]

Detection range: 50%, [100%]

Hold Time: 5s, 30s, 1m, [10m]

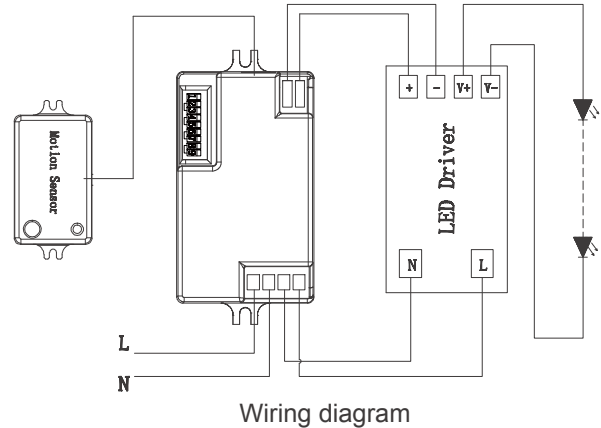
Standby Period: 0s, 30s, 20m, [∞ (infinite)]

Standby Dimming Level: 10%, 20%, [30%], 50%

Daylight Threshold: 2 Lux, 10 Lux, 50 Lux, [Disabled (Immediate activation)]

For customization of default settings, please contact factory

For remote control features and operation, please refer to **MSSD-RC**.



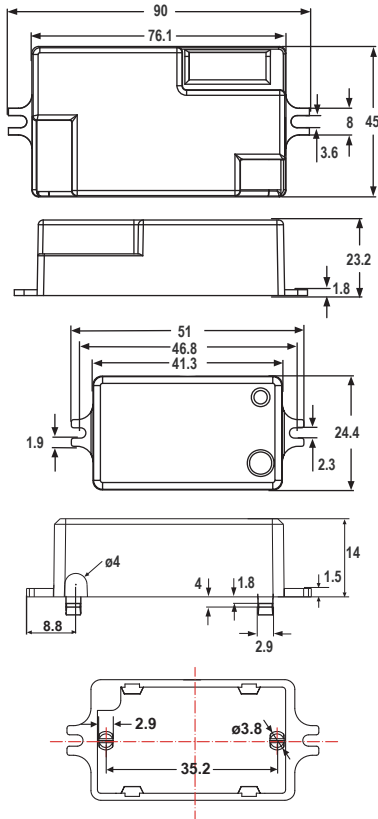
Wiring diagram

01 Technical data

| | |
|------------------------|--|
| Operating voltage | 120~277 VAC 50/60Hz |
| Switching capacity | Max.3.0A@120Vac,Max.2.0A@277Vac |
| Stand-by power | <1W |
| Detection area | 50%/100% |
| Hold time | 5s/30s/1min/10min |
| Daylight threshold | 2Lux/10Lux/50Lux Disable |
| Stand-by period | 0s/30s/20min/+∞ |
| Stand-by dimming level | 10%/20%/30%/50% |
| Microwave frequency | 5.8GHz ± 75MHz |
| Microwave power | <0.3mW |
| Interfaces | 6-pole pluggable clamp terminal (L,N,N,L',1-10V+,1-10V-) for 0.75- 1.5mm cable |
| Mounting height | Max. 20ft (ceiling mounted); Max. 10ft(wall mounted) |
| Detection range | Max.ø 46ft (ceiling mounted); Max. 33ft (wall mounted) |
| Detection angle | 30°-150° |
| Operating temperature | -20°C to +60° (-29°F to 140°F) |
| IP rating | IP20 |

Note: Motion sensor setting and dimming setting please refer to MSSD-RC Remote

02 Mechanical structure(mm)



03 Settings

Indicates Factory Default



● Switch UP

○ Switch DOWN

Detection area
Hold-time

Stand-by dimming level
Stand-by period
Daylight threshold

| | |
|---|------|
| ● | 100% |
| ○ | 50% |

Detection area

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

| | |
|---|-------|
| ● | 5s |
| ○ | 30s |
| ● | 1min |
| ○ | 10min |

Hold time

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

| | |
|---|---------|
| ● | Disable |
| ○ | 50lux |
| ● | 10lux |
| ○ | 2lux |

Daylight threshold

Defines ambient brightness; when the ambient brightness is lower than the preset lux amount, the sensor will activate; when set to "Disable", the sensor triggers regardless of the ambient brightness.

| | |
|---|-------|
| ● | 0s |
| ○ | 30s |
| ● | 20min |
| ○ | +∞ |

Stand-by period

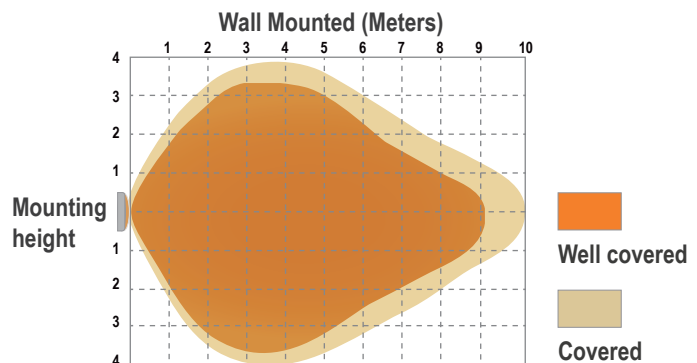
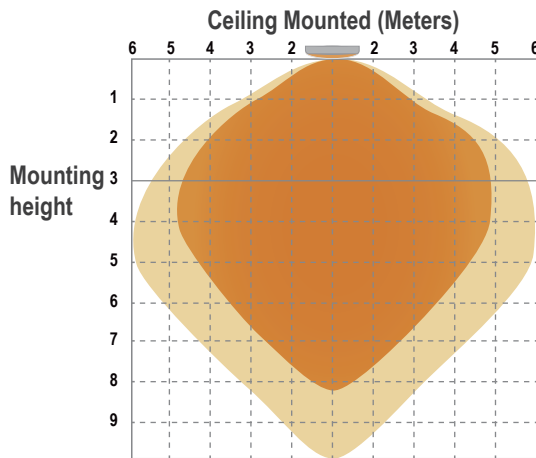
The duration of light at low output level before it's completely switched off. When set to +∞, brightness remains at low output level without shutting off.

| | |
|---|-----|
| ● | 10% |
| ○ | 20% |
| ● | 30% |
| ○ | 50% |

Stand-by dimming level

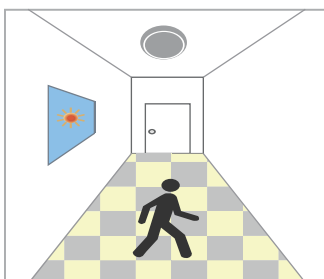
Defines low output level in the standby period.

04 Detection coverage



05 Application

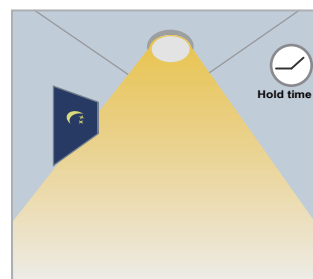
Function Demo -Step Dimming with Daylight LUX setting and Stand Bye settings used



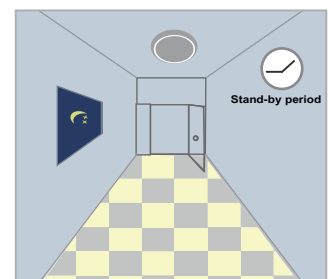
With sufficient daylight, even when motion detected, light remains OFF.



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.

Attention



1. Please read the instructions carefully before using this product. Keep all instructions.
2. The sensor should be installed by a qualified electrician.
3. Ensure power is off before installation or servicing.
4. Any unauthorized modification is forbidden and will void warranty.
5. This document is subject to change at any time. Please contact factory to ensure you have the most current version.

Installation precautions

1. Microwave sensor and detection area cannot be blocked or shielded by metal.
2. Make sure the microwave module is completely open to detection area.
3. Ensure sensor module is installed facing the detection area.
4. Sensor should be kept away from the driver to avoid electrical interference.
5. Wiring must be done strictly in accordance with the wiring diagram.

Application Environment

1. Suitable for stable indoor installation only.
2. Ensure fixtures are installed at the appropriate height
3. Do not install in areas where wind, ventilation, or vibration may move fixtures
4. Do not install in small areas of operation

User Notes

1. Microwave can penetrate nonmetallic / nonmasonry walls and doors and glass thinner than 20cm.
2. Performance will be degraded if objects/structure within walls cause interference or if glass is thicker than 20cm.
3. The driver voltage shall be stable and not exceed variance of 10%.
4. Detection area will be affected by speed of motion, mounting height and movement volume.
5. Conduct test on sunny days without the lampshade which will affect the tested lux value.