

PIR MOTION SENSOR · 0-10V DIMMING

MSPR Motion Sensor

Mounts in an outdoor lighting fixture and provides multi-level control based on motion and/or daylight contribution. Controls 0-10 VDC LED drivers or dimming ballasts, and is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing settings.

12-24V DC

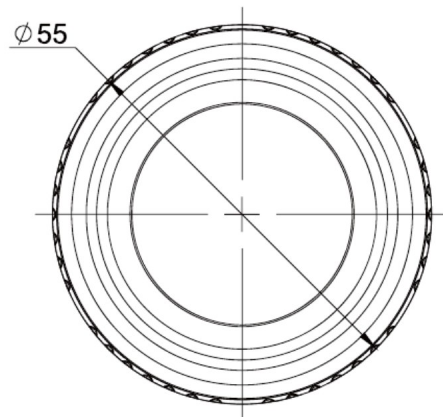
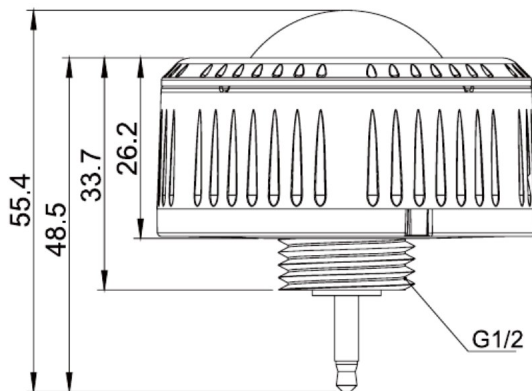
0-10V output

IP65

Max 40 ft mounting

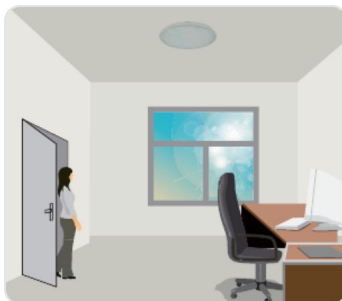
DIMENSIONS

Units in mm

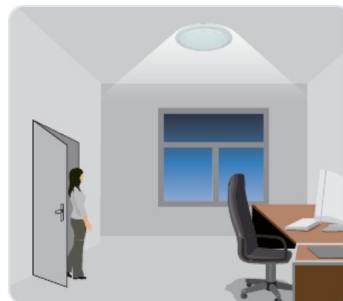


CORRIDOR FUNCTION

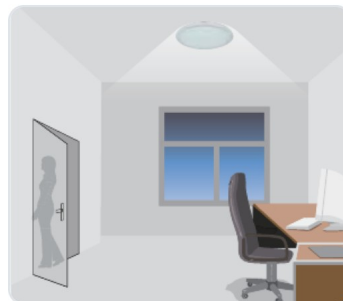
Built-in tri-level control for areas that require a light-change notice before switch-off. The sensor offers 3 light levels (100% → dimmed → off when natural light is insufficient) and 2 selectable waiting periods: motion hold-time and stand-by period. Daylight threshold and detection area are selectable.



1. With sufficient natural light, the light does not switch on when presence is detected.



2. With insufficient natural light, the sensor switches on the light automatically when presence is detected.



3. After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



4. Light switches off automatically after the stand-by period elapses.

SPECIFICATIONS

MSPR Motion Sensor

Power supply	12–24V DC, >30mA	Time setting	10s/1/5/10/15/20/30/60 min
Dim control output	0–10V, max. 25mA sinking	Light control	24H / 10 lux / 30 lux / 50 lux
Remote range	50 ft (15 m) indoor, no backlight	Operating temperature	–4°F to +140°F (–20°C to +60°C)
Detection radius	20% / 50% / 75% / 100% (1–8 m)	IP rating	IP65
Mounting height	Max. 40 ft (12 m)		

DAYLIGHT SENSOR FUNCTION

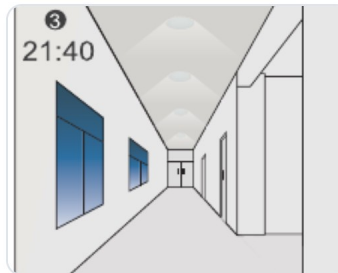
Open the daylight sensor by pressing the daylight (sun) button on the remote control while it is in setting mode.



1 · 21:00 The light switches on at 100% when movement is detected.



2 · 21:10 The light dims to stand-by level after the hold-time.



3 · 21:40 The light remains at dimming level at night.

SETTINGS ON THIS DEMONSTRATION

Hold-time: 30 min

Setpoint on: 50 lux

Setpoint off: 300 lux

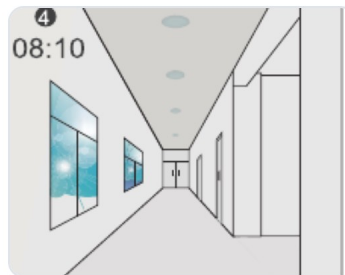
Stand-by dim: 10%

Stand-by period: +∞

When the smart photocell sensor is open, the stand-by time is +∞ only.

1 → 3 repeats in cycle at night

100% on when movement is detected, and dims to 10% in long absence.

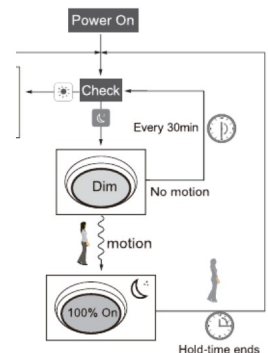


4 · 08:10 When natural light exceeds the setpoint-off level, the light turns off even if the space is occupied.

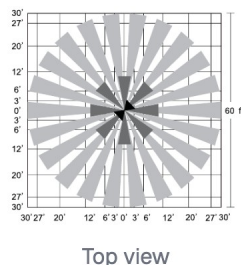
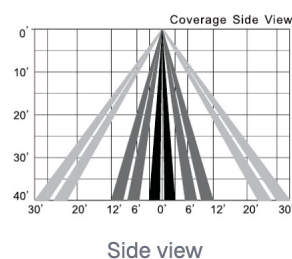


5 · 17:40 The light automatically turns on at 10% when natural light is insufficient (no motion).

LOGIC FLOW



SENSOR COVERAGE



NOTES

Warm-up: 40 seconds. After the sensor first receives input power, the light stays on for 40 seconds, then dims and works normally.

Factory default: 100% sensitivity, hold-on time 5 min, daylight sensor open, dimming level 30%, dimming time 60 min.

Confirmation: after any setting change by remote, the connected LED light switches off and on to confirm.