Attachable Version
On/off Control

Daylight sensor
Antenna module
Fixing screw
Power supply input (L=black, N=white)

Adjustable detection area
Daylight threshold
Hold-time

Mechanical structure (mm)

This sensor is for the external installation. To attach to the outside of fixture, where aluminium louvre is usually applied. (alum. louvre blocks and interferes microwave detection.)

Attach to metal fixture
Attach to junction box
An optional external metal conduit is available to be added on the plastic conduit to increase the length, in case the conduit is not long enough to go through the metal wall, where this is a thick recessed area for IP65 protection.

Double insulation cable is also available for easy retrofit.

**Function and options**

1. **On/off Function**

This sensor is a motion detection switch. Fixture turns on when sensor detects motion and turns off with no motion, following the pre-selected hold-time (10s-30min). The built-in daylight sensor compares available luminance to preset threshold level. Fixture stays off with sufficient natural light.

- With sufficient natural light, the light does not switch on when presence detected.
- With insufficient natural light, the sensor switches on the light automatically when person enters the room.
- After the hold time, then switches off automatically when no movement is detected.

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**Wiring Diagram**
**Detection Pattern**

Ceiling mounted detection pattern

Wall mounted detection pattern

**Settings**

1. **Detection area**
   Detection area can be reduced by selecting the combination on the DIP switches to fit precisely for each specific application.

2. **Hold-time**
   Hold-time means the time period to keep the lamp on 100%, after all motion has ceased (detection area vacated).

3. **Daylight sensor**
   The daylight threshold can be set on DIP switches, to fit for particular application.
   - "Daylight": The lamp works always, even during daylight.
   - "Twilight": The lamp works only in twilight and in darkness.
   - "Darkness": The lamp works only in darkness.

**Technical Data**

- **Operating voltage**: 120~277Vac
- **Switched power (capacitive load)**: 400W@120Vac, 1000W@277Vac
- **Standby power**: 0.5W
- **Detection area**: 10/25/50/75/100%, can be customized
- **Hold time**: 10s/30s/90s/6min/20min/30min, can be customized
- **Daylight threshold**: 5lux / 10lux / 30lux / 50lux / Disable
- **Sensor principle**: High Frequency (microwave)
- **Microwave frequency**: 5.8GHz+/1.5MHz
- **Microwave power**: <1mW
- **Detection range**: Max. (Ø x H): 12m x 6m
- **Detection angle**: 30°~150°
- **Mounting height**: Max. 6m
- **Operating temperature**: -20°C ~ +60°C
- **IP rating**: IP20
- **Certificate**: FCC, ETL, in testing for cULus