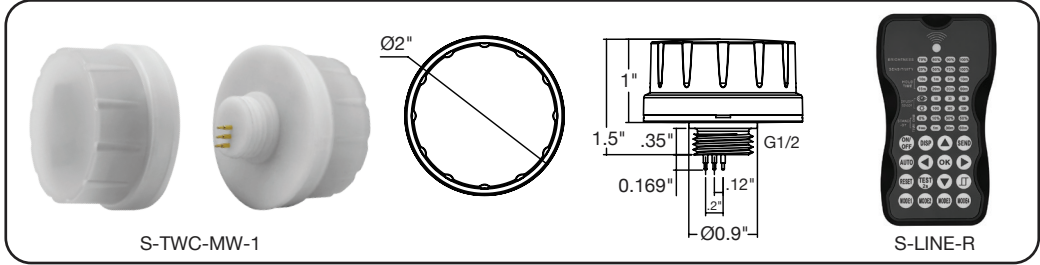


# S-TWC-MW-1

# Bi-Level Microwave Sensor for High Bay Light



## INTRODUCTION

The S-TWC-MW-1 is a motion sensor that dims lighting from high to low based on movement. This slim, low profile sensor is designed for installation inside the bottom of a light fixture body. The sensors use microwave sensing technology that reacts to changes in movement within the coverage area. Once the sensor stops detecting movement and the time delay elapses lights will go from high to low mode and eventually to an OFF position if it is desired. Sensors must directly "see" motion of a person or moving object to detect them, careful consideration must be given to sensor luminaire placement and lens selection. Avoid placing the sensor where obstructions may block the sensor's line of sight.

## SPECIFICATIONS

<b>Power Supply</b>	12V-24V DC, >50mA
<b>Dim Control Output</b>	0-10V, Max. 25mA Sinking Current
<b>HF System</b>	5.8 GHz CW
<b>Transmission Power</b>	<0.2mW
<b>Detection Radius</b>	20% / 50% / 75% / 100% (1-8m)
<b>Mounting Height</b>	Max 40ft. (12 meters)
<b>Time Setting</b>	10s / 1 min / 5 min / 10 min / 15 min / 20 min / 30 min / 60 min
<b>Light Control</b>	24H / 10LUX / 30LUX / 50LUX
<b>Temperature</b>	-40°F ~ +158°F (-40°C ~ +70°C)
<b>IP Rating</b>	IP65

## ⚠ WARNING

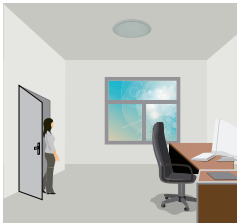
**NOTE:** Warm up time is 15 seconds. After the sensor connects input power first time, the light will keep on for 15 seconds, then go to dimming to work normally.

**NOTE:** Factory Default Setting: 100% sensitivity, Hold On Time: 5 min., Daylight Sensor is ☀, Dimming Level: 30%, Dimming Time: 60 min.

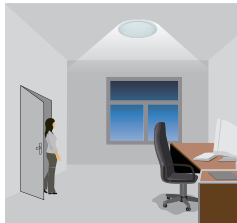
**NOTE:** Any setting changed by remote control, the LED light that sensor connect will ON/OFF as confirm.

## CORRIDOR FUNCTION

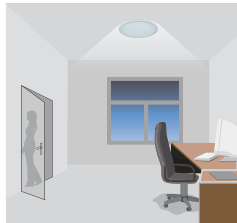
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100% --> dimmed light (natural light is insufficient) --> off; and 2 periods of selectable waiting time: Motion hold-time and stand-by period: Selectable daylight threshold and freedom of detection area.



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



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



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



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

# S-TWC-MW-1

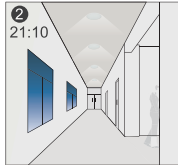
# Bi-Level Microwave Sensor for High Bay Light

## DAYLIGHT SENSOR FUNCTION

Open the daylight sensor by pushing **(II)** when remote control is in setting condition.



1 The light switches on at 100% when there is movement detected.



2 The light dims to stand-by level after the hold-time.



3 The light remains in dimming level at night.

### Settings:

Hold-time: 30min.

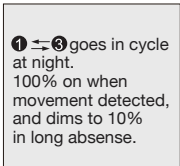
Set point ON: 50 lux

Set Point OFF: 300 lux

Stand-by Dim: 10%

Stand-by period: +∞

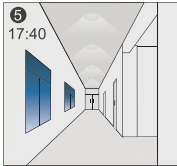
(When the smart photocell sensor open, the stand-by time is only +∞)



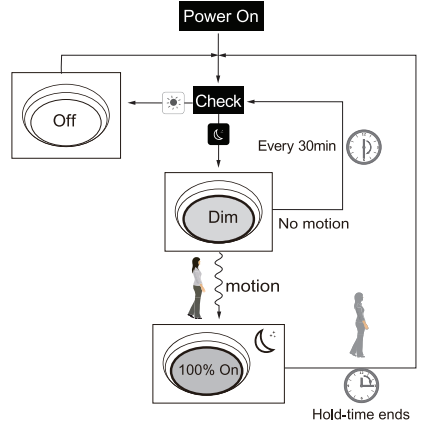
4 100% goes in cycle at night. 100% on when movement detected, and dims to 10% in long absence.



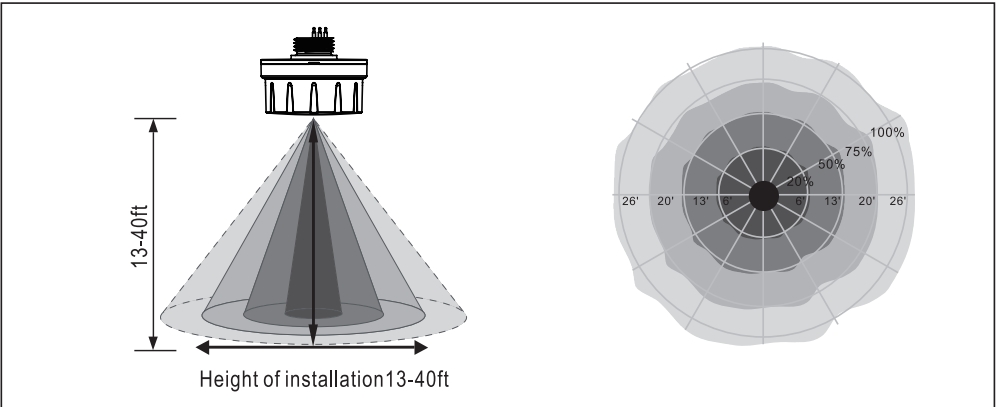
5 When the natural light level exceeds set point off to light, the light will turn off even when the space is occupied.



6 The light automatically turns on at 10% when natural light is insufficient (no motion)



## SENSOR COVERAGE



## PORT DESCRIPTION

