

Project	Catalog #
Distributor	Type
Prepared by	Date



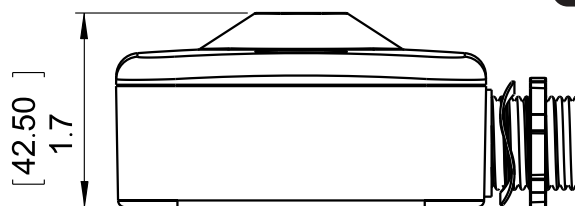
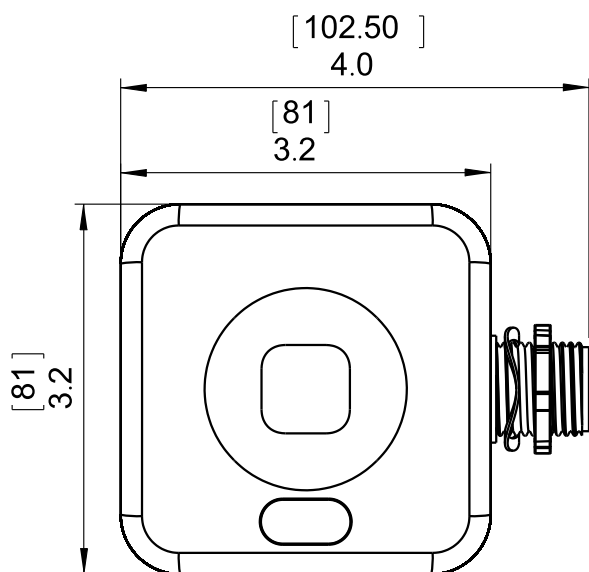
Bi-Level Microwave Sensor for High Bay Light

T1-SS119-MIC-BI

The T1-SS119-MIC-BI is a microwave (MIC) motion sensor with multi-level control motion detection. Ideal for high-bay fixtures. It is rated for indoor applications (IP20), and controls 0-10VDC LED drivers or dimming ballasts. All control parameters are adjustable via a wireless remote that stores and transmit sensor profiles.

SPECS

Operating Voltage	120/277 VAC, 50Hz/60Hz	Detection Radius	30ft
Maximum Load	Resistive/Halogen - 800W@120V / 1200W@277V Fluorescent Ballast - 660W@120V / 1200W@277V Electronic Ballast (LED/CFL) - 5A@120V / 5A@277V	Detection Angle	360°
HF System	5.8GHz CW	Mounting Height	Max 50ft
Dim Control Output	0-10V, max. 25mA sinking current	Time Setting	10sec.-15min. (adjustable)
		Light Control	10-2000Lux (adjustable)
		Humidity	Max. 95% RH
		Temperature	-40°F ~ +158°F [-40°C ~ +70°C]
		Warranty	Five Year Warranty



⚠ WARNING

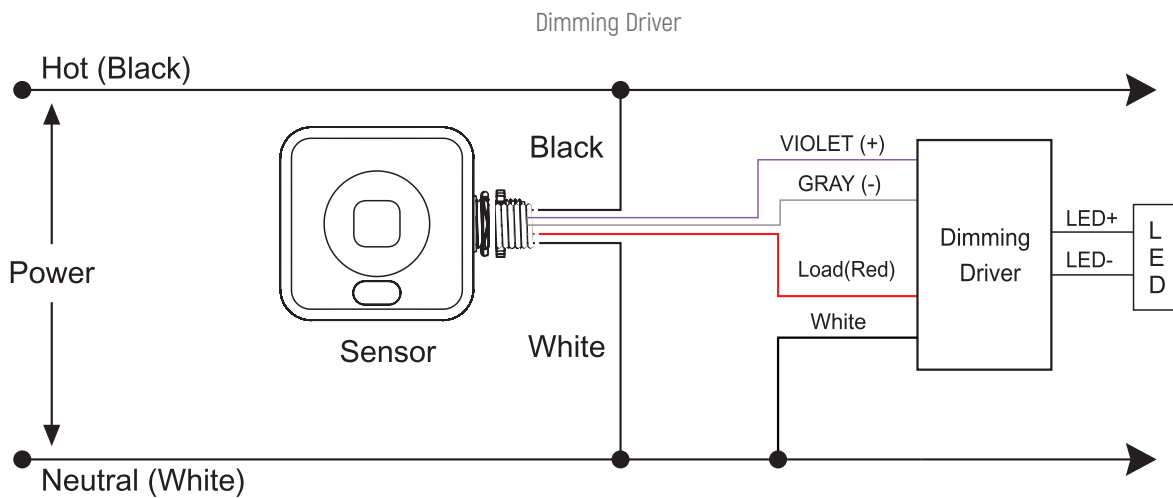
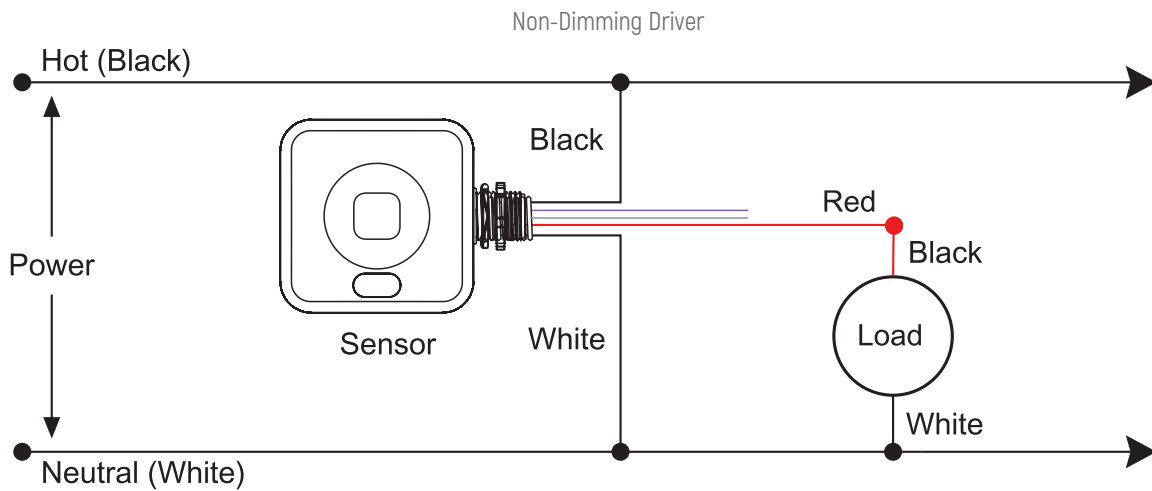
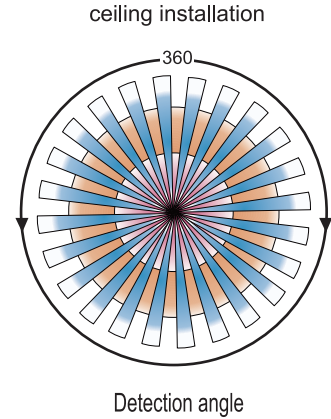
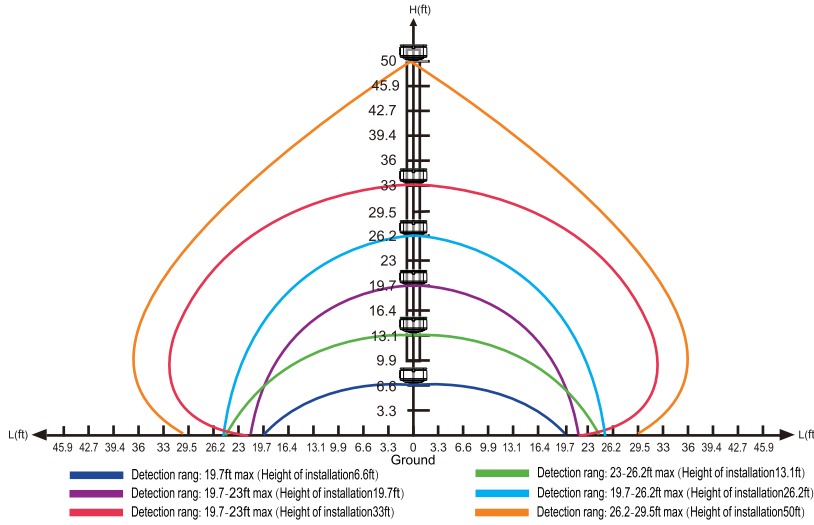
Warm-up time is 15 seconds the first time.
After the sensor connects, the light will turn on for 15 seconds, then return to regular dimming functionality.

Factory default setting: 100% sensitivity.
Daylight threshold: 30lux
Dimming level: 30%
Dimming time: 60 minutes

The LED set light will blink as a confirmation that the setting has been changed on the DIP switch.

DIMENSIONS

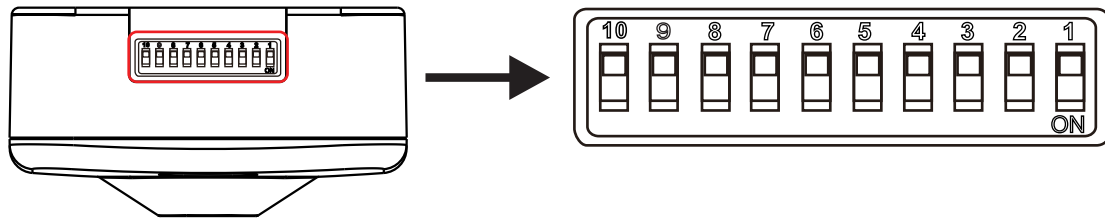
COVERAGE



WIRING DIAGRAM

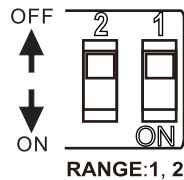
PARAMETER SETTING BY DIP SWITCH

Shown on the diagram: 1, 2 sets detection sensitivity; 3, 4 sets the hold time; 5,6 sets the stand-by light level; 7, 8 to set the stand-by light level; 9, 10 to set the stand-by time.



DETECTION SENSITIVITY SETTING

Detection range is the term used to describe the radius of the circular detection zone at a height of 50ft. Pull switch to the OFF position as "↑", pull switch to the ON position as "↓". See diagram below to adjust to the desired sensitivity.

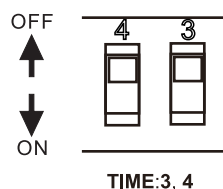


SENSITIVITY

1	2	Sensitivity
↑	↑	20%
↑	↓	50%
↓	↑	75%
↓	↓	100%

HOLD-TIME SETTING

The light can be set to stay ON between approximately 10sec to 15min. Any movement detected before this time elapses will restart the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing a walk test. Pull switch to the OFF position as "↓", pull switch to the ON position as "↑". See diagram below to adjust to the desired hold time.



TIME

3	4	Time
↑	↑	10S
↑	↓	1Min
↓	↑	5Min
↓	↓	15Min

LIGHT-CONTROL SETTING

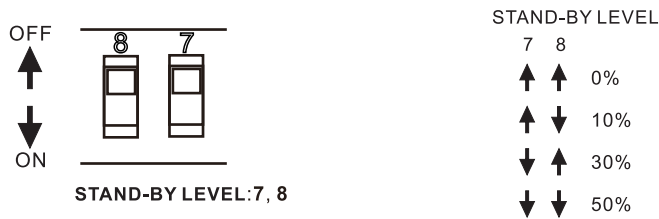
The selected light response threshold can be set from 10lux to 50lux.

Pull switch to the OFF position as "↑", pull switch to the ON position as "↓". See diagram below to adjust light control.



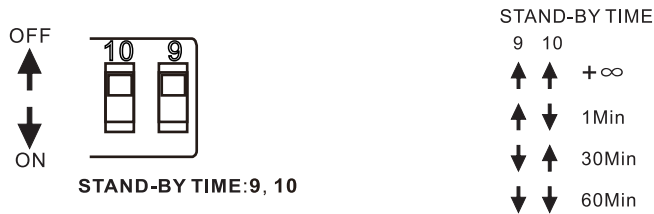
STANDBY LIGHT LEVEL SETTING

See diagram below to adjust to the desired light level.

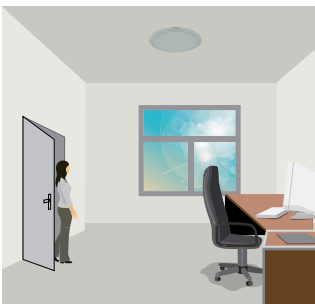


STANDBY TIME SETTING

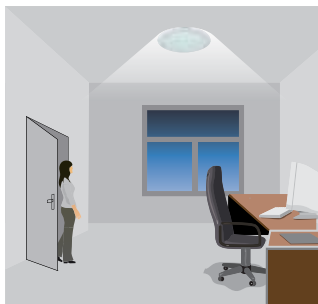
See diagram below to adjust to the desired standby time.



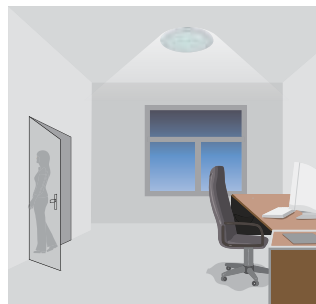
The microwave sensor offers 3 levels of light dimming controls: 100%-->dimming light (0, 10%, 30%, 50%)-->OFF; and 2 periods of selectable waiting time: motion hold-time and stand-by time. Daylight threshold and detection area are adjustable.



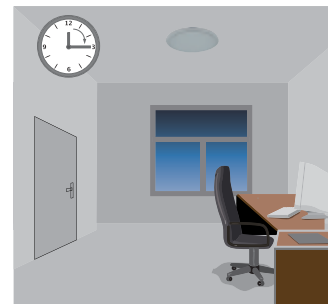
With sufficient ambient light, the light does not switch ON even with the presence of motion.



With insufficient ambient light, the sensor switches the light ON with the presence of motion.



In the absence of motion, the light dims to 0 / 10% / 30% / 50% (adjustable) stand-by level after hold time.



The light will turn OFF automatically after the standby time has elapsed.