



Project	Catalog #
Distributor	Type
Prepared by	Date

# Line Voltage Bi-Level Microwave Sensor

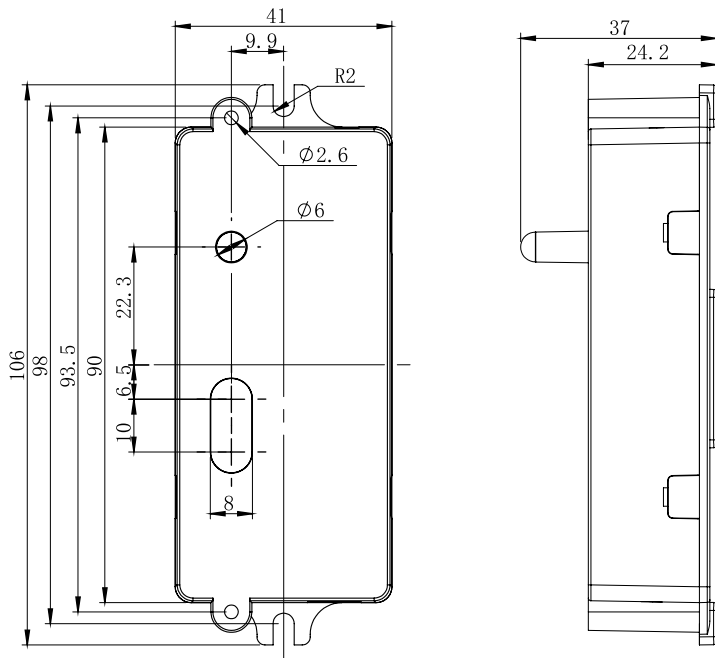
## T1-SS110-MIC-BI-VT



The **T1-SS110-MIC-VT** is a microwave (MIC) motion sensor with a 360° detection radius and a working frequency of 5.8GHz. It has the advantage of a stable working temperature of -40°C ~ +70°C. With a high frequency output of <0.2mW, this sensor is safer and performs better than infrared sensors. It is rated for indoor use and is ideal for vapor tights and strip lights.

### SPECS

<b>Operating Voltage</b>	120/277 VAC 50Hz/60Hz	<b>Detection Radius</b>	Max 26ft
<b>Maximum Load</b>	Resistive/Tungsten - 600W@120V Electronic Ballast (LED) - 800VA@120 / 1200VA@277V	<b>Detection Angle</b>	360°
<b>HF System</b>	5.8GHz CW	<b>Mounting Height</b>	Max 12ft
<b>Dim Control Output</b>	0-10V, max. 25mA sinking current	<b>Humidity</b>	Max 95% RH
		<b>Temperature</b>	-40°F~+158°F (-40°C~+70°F)
		<b>Transmission Power</b>	<0.2mW
		<b>Warranty</b>	Five Year Warranty



### DIMENSIONS

This sensor works great with:

#### Vue G2 Vapor Tight Series

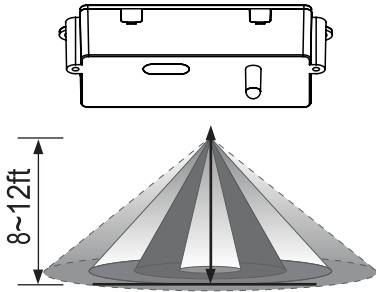
T1-G2VTLED



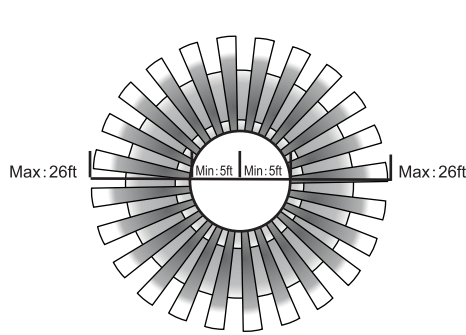
#### Stylus G2 Strip Light Series

T1-G2SLED

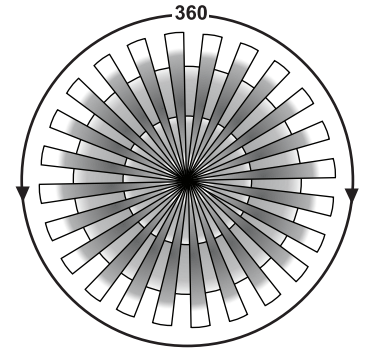




Height of installation 8~12ft



(Height of installation 8ft)  
Detection range



Detection angle

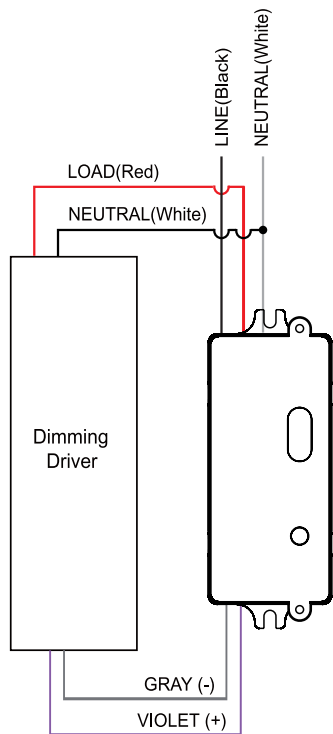
**⚠ WARNING**

**NOTE:** Warm-up time is 15 seconds the first time. After the sensor connects with the input power for the first time, the light will keep on for 15 seconds, then switch to regular dimming state.

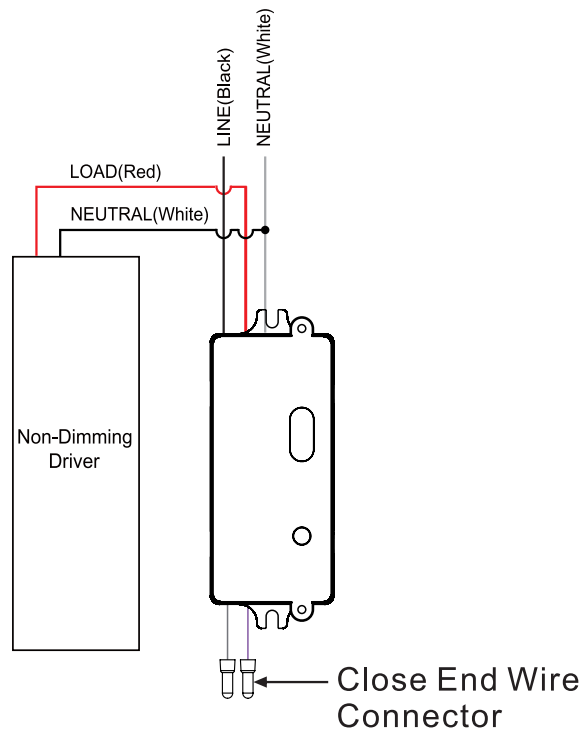
**NOTE:** Factory Default Setting: 100% Sensitivity, Hold On Time: 10 seconds, Daylight Sensor: 30 lux, Dimming Level: 30%, Dimming Time: 60 minutes.

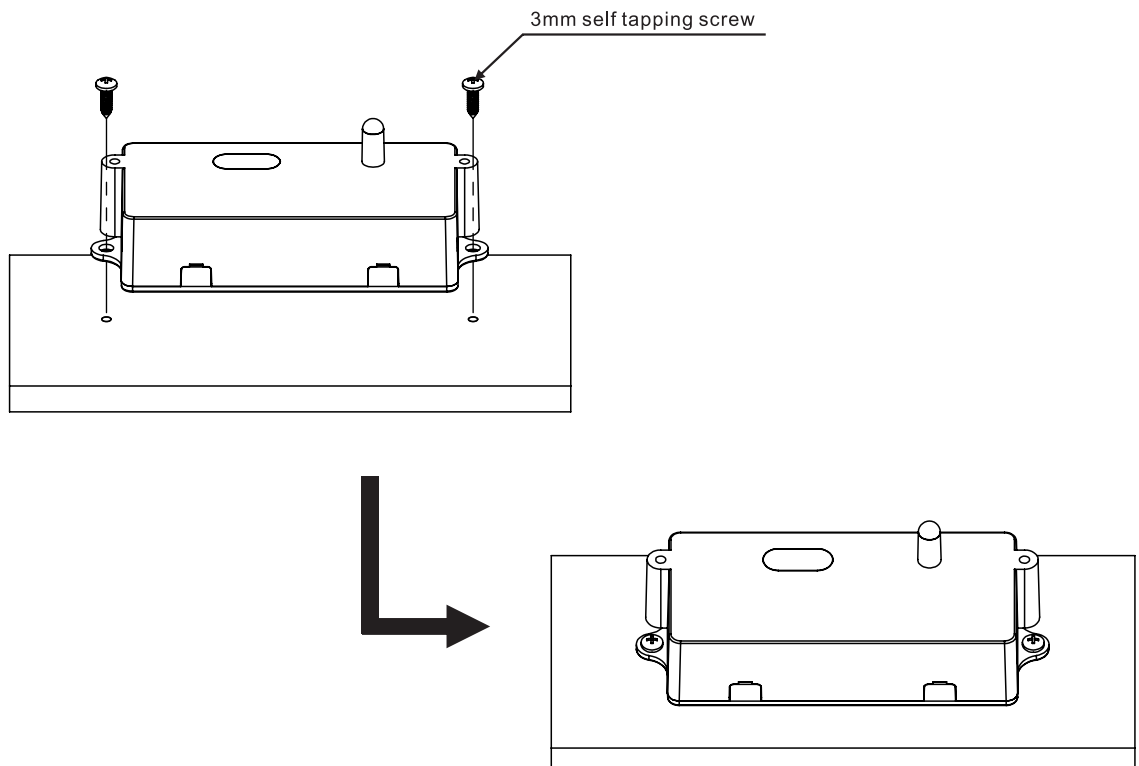
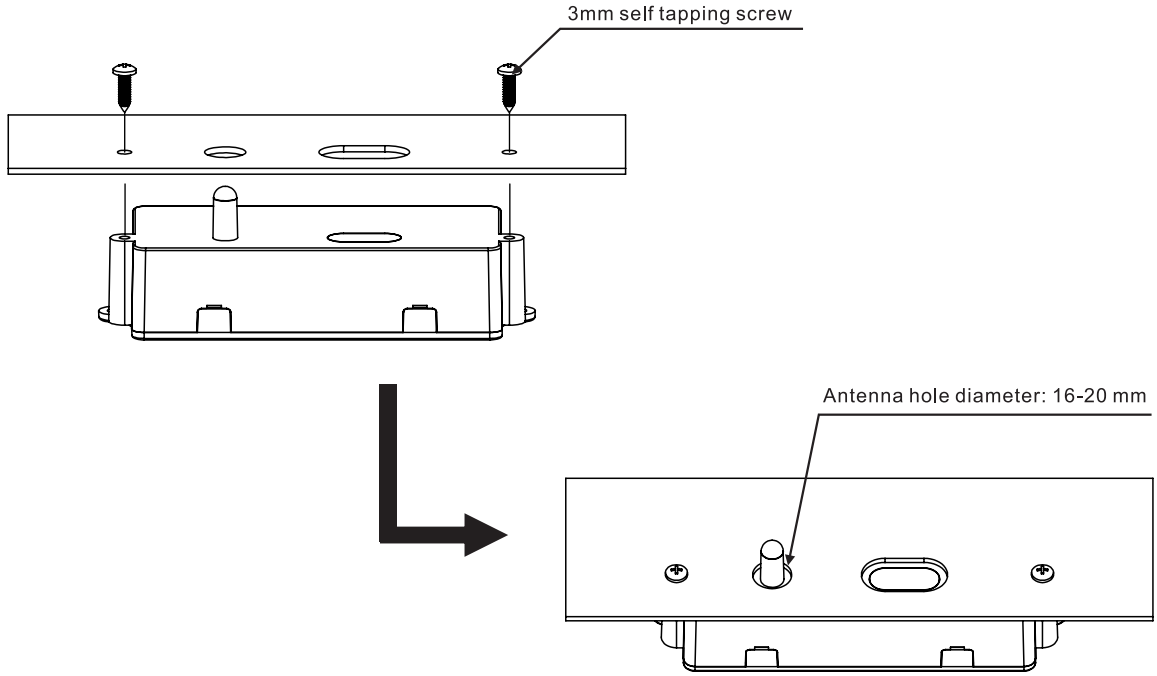
**NOTE:** On any setting changed via DIP Switch or remote control, the LED light the sensor is connected to will turn on/off as confirmation.

**Dimming Driver**



**Non-Dimming Driver**

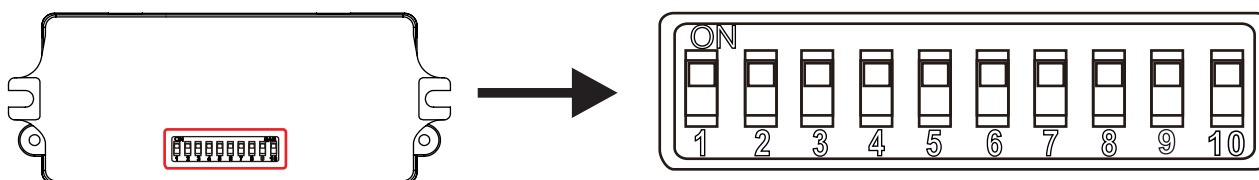




Shown on the diagram:

Use 1, 2 to set detection sensitivity; 3, 4 to set hold-time; 5, 6 to set the light control;

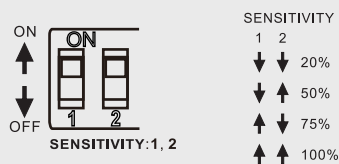
7, 8 to set the standby light level; 9, 10 to set the standby time



### DETECTION SENSITIVITY SETTING

Detection range is the term used to describe the radius of the detection zone at a height of 8-20ft. Pull switch to the OFF position as "↓", pull switch to the ON position as "↑".

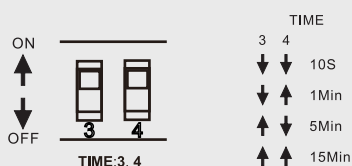
See diagram below to adjust to the desired sensitivity.



### HOLD TIME SETTING

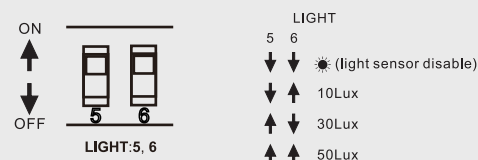
The light can be set to stay ON from approx. 10sec to 15min. Any movement detected within the time elapsed will restart the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing a walk test.

Pull switch to the OFF position as "↓", pull switch to the ON position as "↑". See diagram below to adjust to the desired hold time.



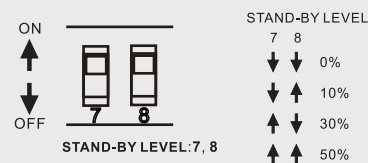
### LIGHT CONTROL SETTING

The light control 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.



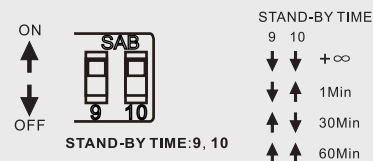
### STANDBY LIGHT LEVEL SETTING

See diagram below to adjust to the desired light level.



### STANDBY TIME SETTING

See diagram below to adjust to the desired standby time.



This microwave sensor detects moving objects at a range of 360°, with a working frequency of 5.8 GHz. The advantage of using this sensor is having a stable working state at temperatures -40°C~+70°F. With a high-frequency output of <math>< .02\text{mW}</math>, this sensor is safe and performs better than infrared sensors.

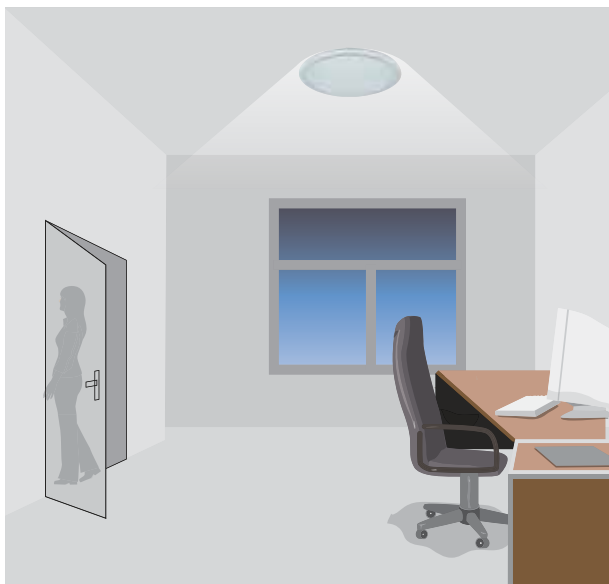
It offers 3 levels of light dimming controls: 100%-->dimming light (0, 10%, 30%, 50)-->OFF; and 2 periods of selectable waiting time: motion hold-time and standby time. Daylight threshold and detection area are selectable.



With sufficient ambient light, the light does not switch ON when presence is detected.



With insufficient ambient light, the sensor switches the light ON automatically when a person enters the room.



The light will dim to a set dim level (option for 10%, 30%, and 50%) in the absence of motion.



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