

Project	Catalog #
Distributor	Type
Prepared by	Date



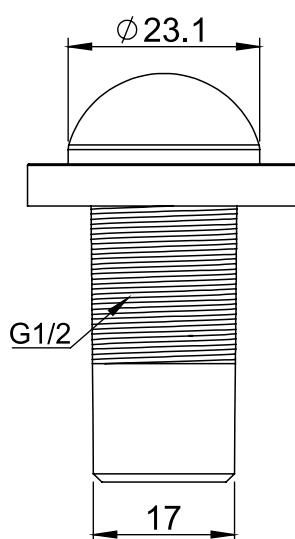
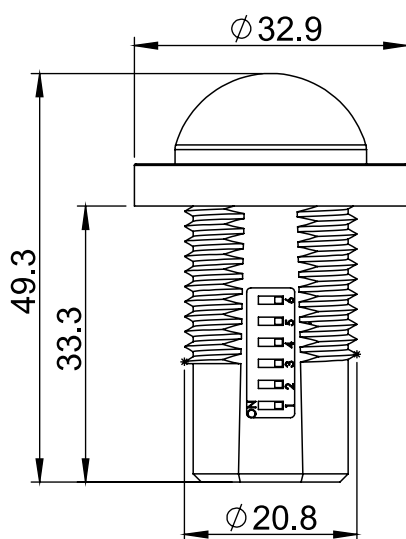
Bi-Level PIR and Daylight Harvesting Sensor

T1-SS204

The **T1-SS204** is a bi-level passive infrared (PIR) occupancy bi-level sensor that mounts in indoor light fixtures to provide daylight harvesting control. It works by 10-28V DC power, and controls 0-10VDC LED drivers or dimming ballasts. All control parameters, including hold-time, task light level, and stand-by level and time, are adjustable via DIP switch. Task light level also works by remote control. Works great with Flat Panels and Center Baskets.

SPECS

Operating Voltage	10V-28 VDC, >50mA	Detection Angle	120°
Dim Control Output	0-10V, max. 25mA sinking current	Operating Temperature	-20°C ~ 70°C
Mounting Height	15ft. (4.5m) max	IP Rating	IP20
Cable Color Coding	Input: Brown (VCC) Yellow (GND) Dimming: Violet (+), Gray (-)	Setting	DIP Switch or Remote Control
		Warm-up Time	40 seconds
		Warranty	Five Year Warranty



DIMENSIONS

(Punch-out diameter 21.5mm)

This sensor works great with:

Fleet Flat Panel Series

T1-PFP



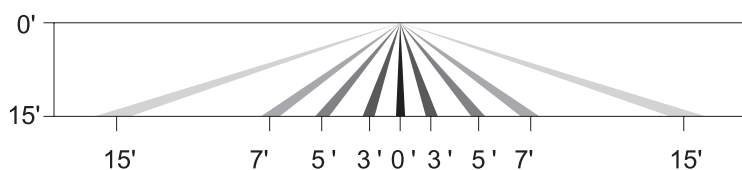
Basque Center Basket Series

T1-EPBLED

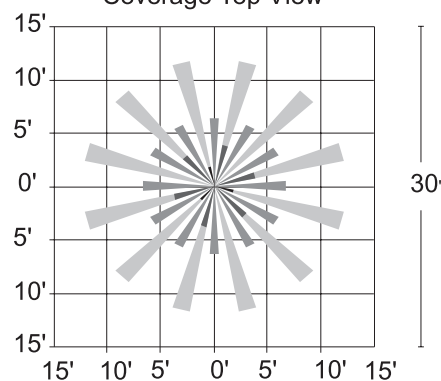


- Minor Motion
- Major Motion

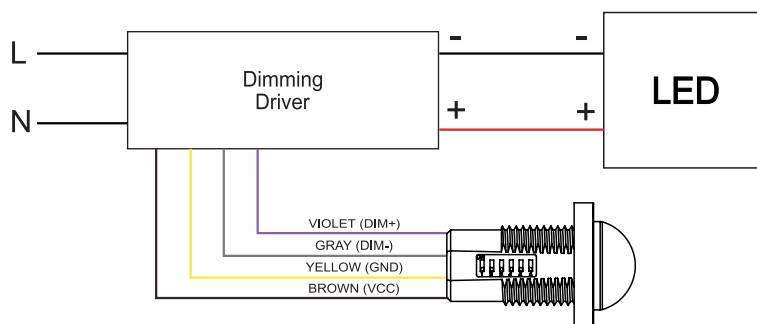
Coverage Side View



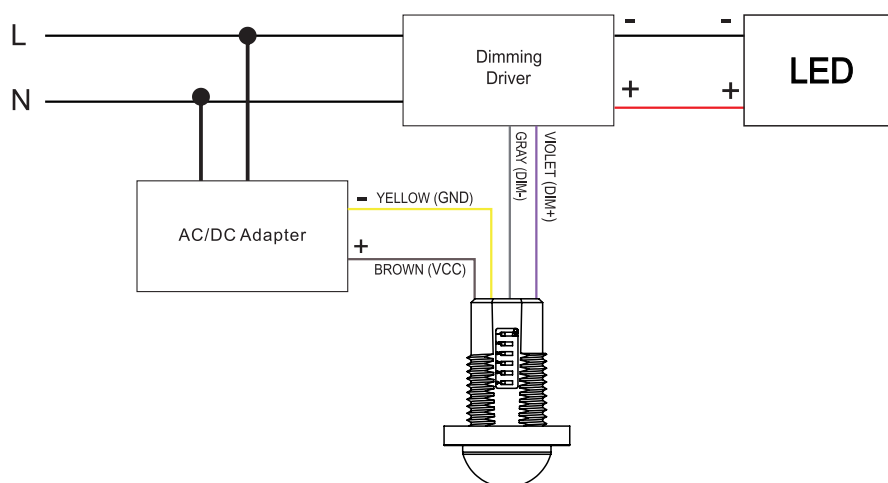
Coverage Top View



With 10-28V DC wire dimming ballast or LED Driver

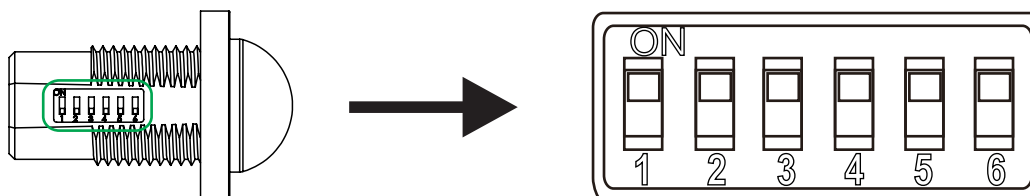


With AC/DC Adapter with dimming ballast or LED Driver



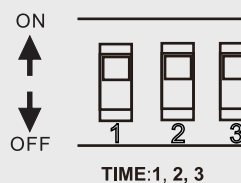
SHOWN ON THE DIAGRAM:

Use 1, 2, and 3 to set Occupied Timeout; 4 to set Stand-By light level; and 5, 6 to set Stand-By time.



OCCUPIED TIMEOUT SETTING

The light can be set to stay ON between 10sec to a maximum of 30min. Any movement detected before the time elapses will restart the timer.



TIME			
1	2	3	
↓	↓	↓	10S
↓	↓	↑	30S
↓	↑	↓	1Min
↓	↑	↑	3Min
↑	↓	↓	5Min
↑	↓	↑	10Min
↑	↑	↓	15Min
↑	↑	↑	30Min

STAND-BY LIGHT LEVEL SETTING

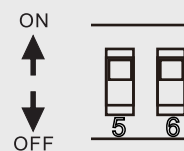
See diagram below to adjust to the desired Stand-By light level.



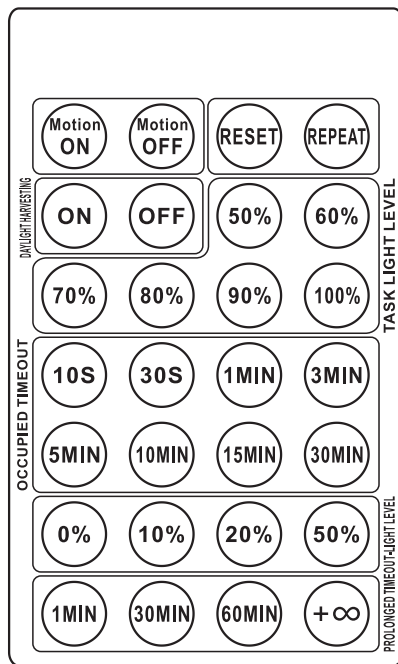
STAND-BY LEVEL	
4	
↓	20%
↑	50%





























STAND-BY TIME SETTING

See diagram below to adjust to the desired Stand-By time.
The Task Light Level parameters are set by the last time set.

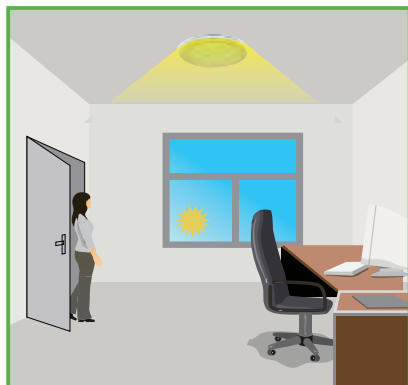


STAND-BY TIME		
5	6	
↓	↓	1Min
↓	↑	30Min
↑	↓	60Min
↑	↑	+ ∞



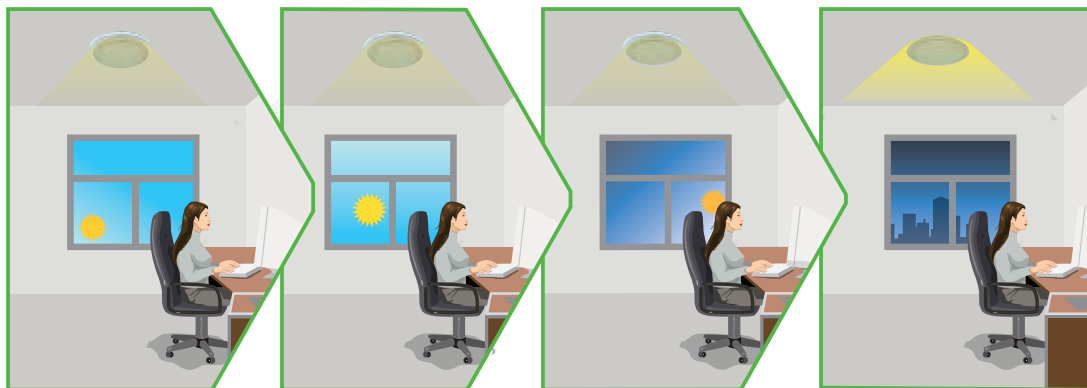
	Press the "Motion ON" button, the motion function is opened.		Press the "Motion OFF" button, the motion function is disabled. The luminaire is unaffected whether or not a moving signal is detected.
	Press the "RESET" button, all parameters are restored to DIP switch setting.		Press the "REPEAT" button, copy the parameters set by the remote control last time. Can be repeated "adhesive" to different lamps, set the same parameters.
	Press the "ON" button, The daylight harvesting is turned on.		Press the "OFF" button, The daylight harvesting is turned off, that the light is not affected by ambient brightness, means daylight harvesting is disable.
     	Task light level, means set the indoor ambient brightness value. The light output regulates automatically according to the level of natural light available.	       	Occupied timeout, the time that the sensor will turn off(if choose "LIGHT LEVEL" is 0%) or dim the light to a low level after the area is vacated
   	LIGHT LEVEL, to set the output level of connected lighting during vacancy. The sensor will regulate the lighting output at the set level. Setting the "0%" means light full off during vacancy.	   	PROLONGED TIMEOUT, to represents the time that the sensor will keep the light at low dim level after the "OCCUPIED TIMEOUT" elapsed.

The PIR occupancy bi-level sensor offers 3 levels of light control: Task Level (100%, 90%, 80%, 70%)-->Stand-by Level (50%-20%)-->OFF; and 2 periods of selectable waiting time: motion hold-time and stand-by time. Daylight Harvesting control works in hold time.

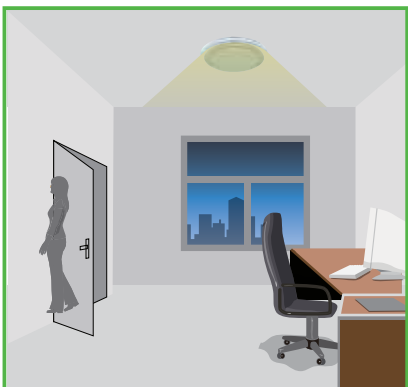


The light will always switch ON automatically on detecting presence OR manually with power switch (even without detecting presence).

When Daylight Harvesting is enabled, the light output regulates between Task and Stand-By levels based on the level of natural light available.



The light turns ON at full or dims to maintain the lux level.
The light output regulates according to the level of natural light available.



The light dims to stand-by level after hold-time has elapsed.



The light switches OFF automatically after the stand-by period has elapsed.