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| Project | Catalog # |
| Distributor | Type |
| Prepared by | Date |



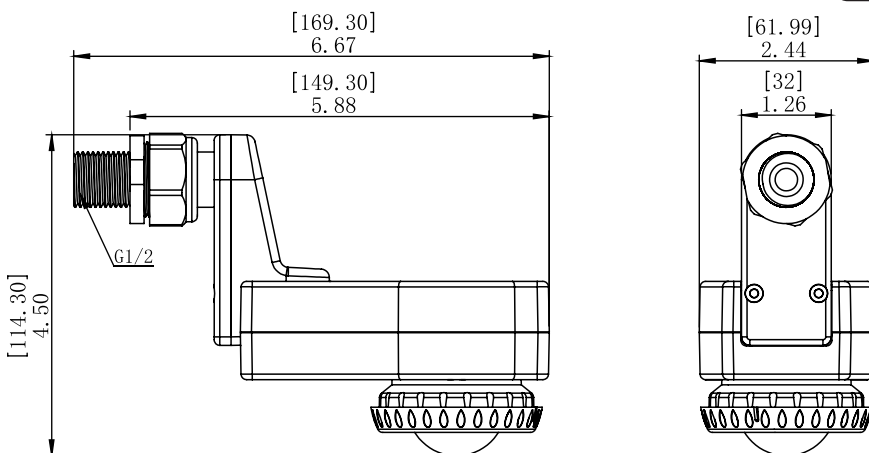
Line Voltage PIR Outdoor Sensor

T1-SS123-PIR-BI-WP

The **T1-SS123-PIR-BI-WP** is a passive infrared (PIR) sensor that mounts in an outdoor lighting fixture and provides multi-level control based on motion and ambient light. It controls 0-10 VDC LED drivers or dimming ballasts as well as non-dimming ballasts. With a Fresnel Lens, it is rated for wet and cold locations. All control parameters are adjustable via a wireless remote capable of storing and transmitting sensor profiles. Works great on wall packs.

SPECS

| | | | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------|
| Operating Voltage | 120/277 VAC, 50Hz/60Hz | High Mode | 0-10 V (default 10V) |
| Maximum Load | Resistive/Halogen - 800W@120V / 1200W@277V Fluorescent Ballast - 660W@120V / 1200W@277V Electronic Ballast (LED/CFL) - 5A@120V / 5A@277V | Low Mode | Off, 0-9.8V (default 1V) |
| | | Operating Temperature | -40°F~158°F (-40°C~70°C) |
| | | Humidity | 20-90% RH |
| | | IP Rating | IP66 for PIR Lens (top part of the sensor) |
| Detection Radius | 360° Maximum Coverage 60' Diameter from 40' height | Warranty | Five Year Warranty |



Unit:mm/in

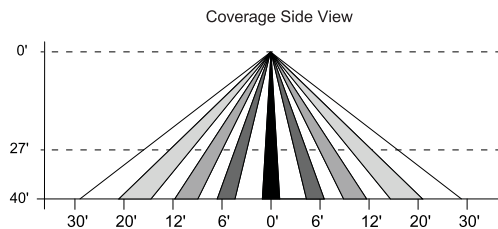
DIMENSIONS

The sensor works great with:

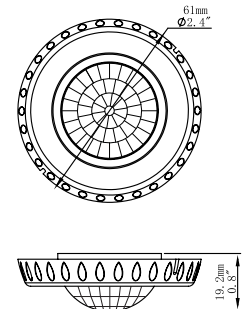
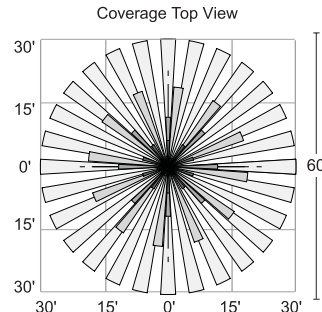


LED Wall Packs
T1-EWPLED and T1-MWPLED

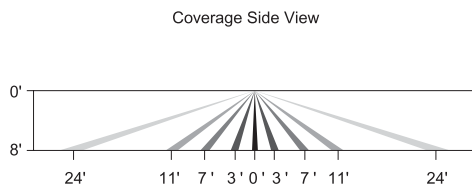
L3



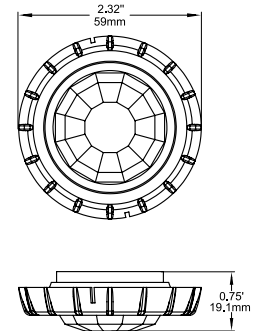
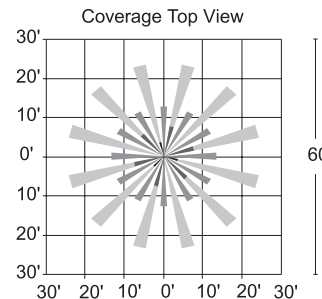
360° Coverage



L4



360° Coverage



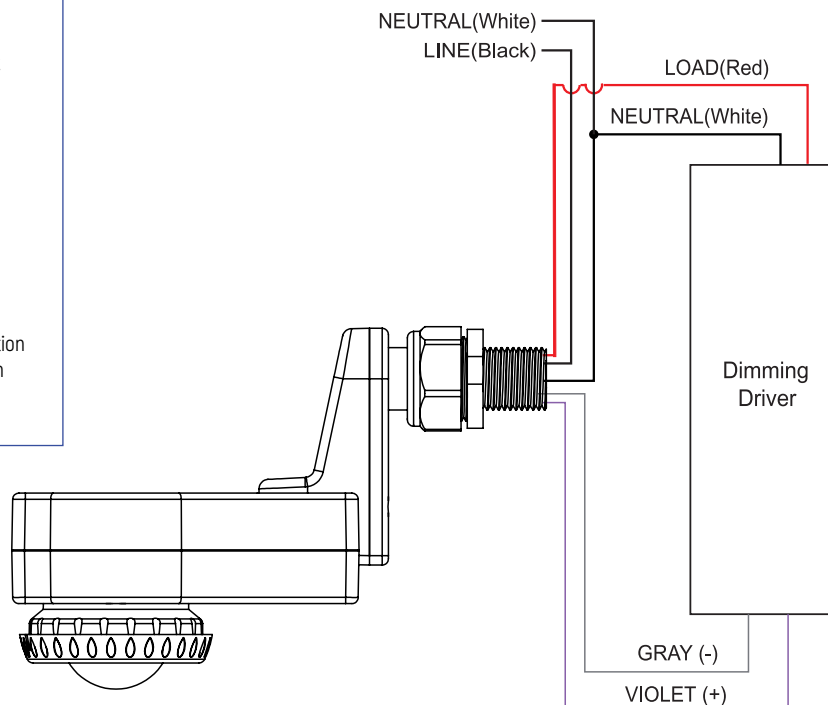
⚠ WARNING

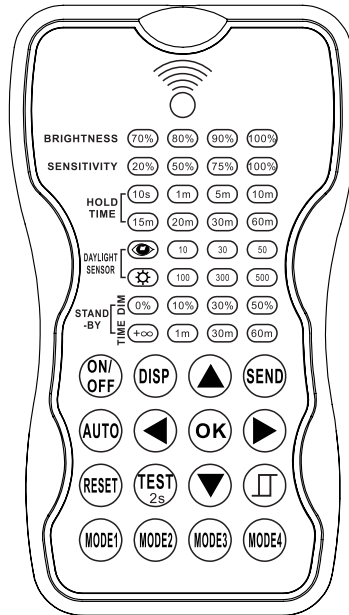
NOTE: Warm-up time is 40 seconds the first time. After the sensor connects, the light will keep on for 40 seconds.




























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

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

T1-SS123-PIR-BI-WP wiring with Dimming Ballast or LED Driver.



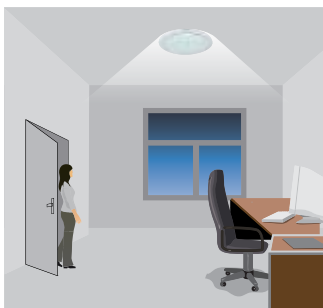


| BUTTON | DESCRIPTION | BUTTON | DESCRIPTION |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Press the  button, the light goes to permanent on or permanent off mode, and the sensor is disabled. (MUST press  button to quit this mode for Setting. |  | Press  button, the sensor starts to function and all settings remain the same as the latest status before the light is switched on/off. |
|  | Display the current/lastest setting parameters in LED indicators(the LED indicators will on for showing the setting parameters). |  | The button  is for testing purpose sensitivity only. after you choose sensitivity thresholds, then you press  button, The sensor goes to test mode(hold time is only 2s) automatically ,meanwhile the stand-by period and daylight sensor are disabled. Press  button to quit from this mode. |
|  | Press  button, all settings go back to settings of dip Switch in sensor. |   | Navigate to LEFT and RIGHT for choose selected parameters in LED indicators. |
|   | Enter in the setting condition, the parameter leds of remote control will flash to be selected. and Navigate to UP and Down for choose selected parameters in LED indicators. |  | Confirm the selected parameters selected parameters in remote control. |
|  | Press  button, upload the current parameters to sensor(s), the led light which the sensor connects will on/off as confirm. |  | Press  or  , Enter in the setting condition, the parameter leds of remote control will flash to be selected, Press  for open or close smart day sensor that turn off/on light automatically according to the change of natural light level. |
|     | 4 Scene modes with preset parameters which are available to be changed and saved in modes. | | |

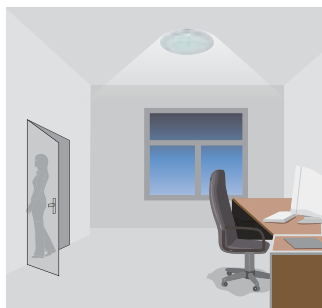
The PIR sensor offers 3 levels of light: 100%-->dimming light (when ambient light is insufficient)-->OFF, and 2 periods of selectable waiting time: motion hold time and stand-by period. Daylight threshold and detection area are adjustable.



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



With insufficient ambient light, the sensor switches ON the light automatically when motion is detected.



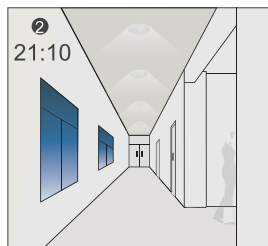
After hold time has elapsed, the light dims to stand-by level if the surrounding ambient light is below the daylight threshold.



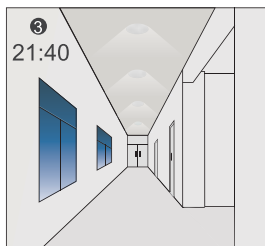
Light switches OFF automatically after the stand-by period has elapsed.



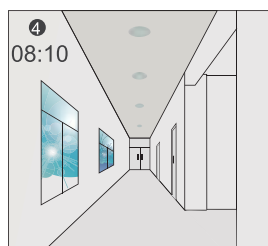
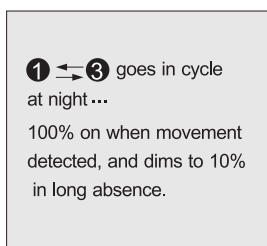
The light switches ON at 100% when there is movement detected.



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



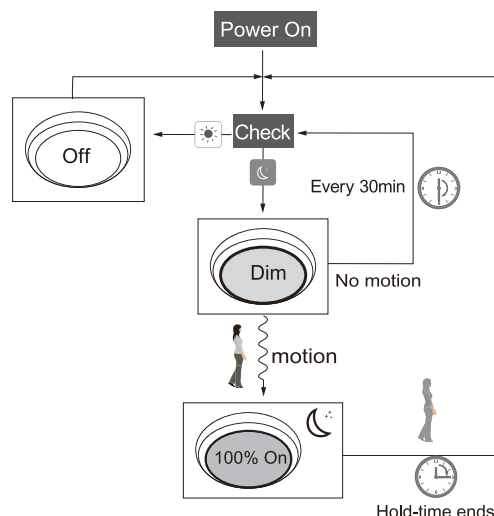
The light remains at dimming level at night.



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



The light automatically turns ON at 10% when natural light is insufficient (no motion).



* Settings on this demonstration:

Hold-time: 30min
Setpoint on: 50lux
Setpoint off: 300lux
Stand-by Dim: 10%
Stand-by period: +∞

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