



Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Stand-alone Controls

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30 degrees C to 70 degrees C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

Operation Modes

Dusk to Dawn operation via integral photocell switches lights on and off based on the ambient light levels. In this mode the lights remain on all night even with no motion in the area.

Dimming operation turns the lights on to the selected high level when motion is detected and the ambient light level is below the hold off set point. Once the sensor stops detecting motion and the time delay elapses, the lights will go to the low level. If no motion is detected during the cut off time delay period the lights will completely turn off or stay on at the low level depending on settings.

Configurations

- Initial setup and later adjustments made via iOS and Android App.
- Sensor settings are stored and maintained in the event of a power failure.

Motion Level - fully adjustable from 0-100%

with **default at 100%**. Motion Level is defined as when the sensor detects motion the dimming control output goes to the selected high light level.

Dim Level - fully adjustable from off, 0-100% with **default at 50%**. Dim level is defined as when the sensor stops detecting motion and the time delay expires the dimming control output goes down to the selected low light level.

Time Delay 1 - adjustable from 1 sec. to 9 hours with **default 15 minutes**. Time delay is defined as the time period that must elapse after the last time the sensor detects motion for the lights to go to low light level.

Time Delay 2 - the time period that must elapse after the lights go to low light level and the sensor detects no motion for the lights to turn off. This feature may be enabled or disabled. If disabled there is no cut off and the lights stay in the low light level. To disable set time to 00:00:00. Adjustable from 1 sec. to 9 hours with **default set at 00:00:00 which is disabled**.

Sensor sensitivity - the response of the PIR detector to motion within the sensor's coverage area. Adjustable from low, medium, high. **Default setting is medium**.

Ambient Light - when the light level exceeds this setting the lights will turn off even if motion is detected. When the light level goes below the setting the lights will turn on even

if no motion is detected. A switch will allow you to enable or disable this feature. ON <30 LUX, OFF >100 LUX. **Default is disabled**.

Sensor Configuration App

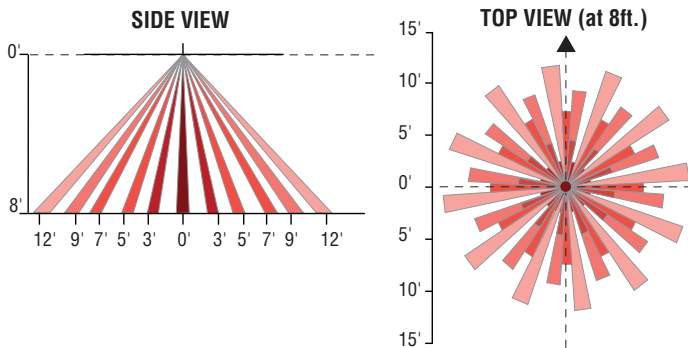
- Range up to 65 ft. outdoor line of sight
- iOS6 or later but recommend iOS10
- Android OS 4.4 or later but recommend OS7
- Password protected.
- Sensor profiles used for setting up parameters one time and then applying the profile to different sensors requiring the same settings.

Configuration App



IMSBT Coverage Diagrams

IMSBT1



IMSBT2

