

## WATTSTOPPER FSP-3X1B

High/Low/Off PIR Outdoor Photo/Motion Sensor with Bluetooth

### OVERVIEW

The FSP-3x1B is a family of passive infrared (PIR) outdoor sensors that raise or lower the electric lighting level to high, low or off based on motion and/or daylight contribution. Typically, once the sensor stops detecting movement and the time delay elapses, lights will first fade to low mode, and eventually switch off. When motion is detected, the sensor ramps the light level to high mode unless the daylight contribution is sufficient.

The integral photocell can also switch the lights on and off for dusk to dawn control, so that lighting remains on overnight even without motion detection.

### SENSOR CONFIGURATION APP

**Set Up:** Initial setup and subsequent sensor adjustments are made using the Sensor Configuration App, available on Google® or the Apple® App Store. This tool enables adjustment of sensor parameters including high/low mode, sensitivity, time delay, cut off and more. The Sensor Configuration App can read current parameter settings and stores up to six sensor parameter profiles to speed commissioning of multiple sensors.

**Application:** The iOS and Android app are identical in appearance and function. The apps do not require any additional registration or login details to download or use. This streamlines the setup process as multiple users can quickly add the app to their mobile device and begin configuring or re-configuring the sensors as needed.

**Profiles:** All sensor profile and jobsite settings are saved per mobile device. Users are unable to send or share their settings to other mobile app users. If another user wants to use the same settings they would need to create a jobsite with the same password in the mobile app, discover a previously configured sensor, read the configuration, and save the configuration as a new profile.

**Users:** Because the app does not support user authentication it will not save any profile or jobsite settings in the Cloud. If the app is deleted users will need to input these settings again. If there are no users with access to the jobsite password the sensor will need to be manually reset via a button under the sensor lens cover to reset the sensor to factory defaults.

**Firmware:** The FSP-3x1B family of sensors support the ability to update the firmware from the mobile app. If Wattstopper releases bug fixes or feature enhancements, they can be applied with the firmware update. The FSP-2x1B family of sensors would need to be replaced with a new revision if they needed bug fixes or added features. One such example of this is Wattstopper plans to release a feature enhancement that will allow the sensor to support active dimming. If the end user wants to enable this feature they will need to use the mobile app to push the new settings to each sensor, one by one.



FSP-3x1B



Sensor Configuration App

### DETAILED SPECIFICATION COMPARISON: FSP-3X1B VS FSP-2X1B

The FSP-3x1B family of sensors has the same settings and options as the IR remote programmable FSP-2x1B family of sensors. The major difference between the two options is the FSP-3x1B sensors use a free Bluetooth based iOS or Android mobile app instead of the IR remote that is available for an extra cost with the FSP-2x1B sensors.

FEATURE	WATTSTOPPER FSP-3X1B	WATTSTOPPER FSP-2X1B
CONFIGURATION TOOL	Free Bluetooth based iOS and Android mobile app	IR Remote configuration tool available at additional cost
CONFIGURATION RANGE	100' indoors/200' outdoors	32' line of sight
INPUT VOLTAGE	311B 120-277V 321B 100-347V, 208/230/480V	211B 120-277V 221B 100-347V, 208/230/480V
LOAD RATING	@120VAC 0–800W tungsten, ballast, LED driver; 1/6hp motor @230-240V 0–300W ballast, LED driver @277VAC 0–1200W ballast, LED driver; 1/6hp motor @347/480V 0–1200W ballast, LED driver; 1/6hp motor (FSP- 321B only)	@120VAC 0–800W tungsten, ballast, LED driver; 1/6hp motor @230-240V 0–300W ballast, LED driver @277VAC 0–1200W ballast, LED driver; 1/6hp motor @347/480V 0–1200W ballast, LED driver; 1/6hp motor (FSP- 221B only)
RELAY LIFE RATING	200,000 cycles (120/277VAC); 50,000 cycles (230VAC)	200,000 cycles (120/277VAC); 50,000 cycles (230VAC)
HIGH MODE	0–10V; default 10V	0–10V; default 10V
LOW MODE	0–9.8V; default 1V	0–9.8V; default 1V
TIME DELAY	30 sec., 5–30 min.; default 5 min.	30 sec., 5–30 min.; default 5 min.
CUT OFF DELAY	none, 1–60 min. 1–5 hrs.; default 1 hr.	none, 1–60 min. 1–5 hrs.; default 1 hr.
SENSITIVITY	none, low, med, max; default max	none, low, med, max; default max
SETPOINT	none, 1–250 fc, auto; default disabled	none, 1–250 fc, auto; default disabled
PHOTOCELL ON/OFF	1–250 fc; default disabled	1–250 fc; default disabled
RAMP UP TIME	none, 1–60 sec.; default none	none, 1–60 sec.; default none
FADE DOWN TIME	none, 1–60 sec.; default none	none, 1–60 sec.; default none
OPERATING TEMPERATURE	-40 to 167°F (-40 to 75°C)	-40 to 167°F (-40 to 75°C)
IP RATING	IP66	IP66
WARRANTY	5 year	5 year