



## Fixture-mount, High Bay occupancy sensor



### BASIC OPERATION

Passive Infrared Technology (PIR) is used to sense occupancy by comparing the infrared energy from an object in motion and the background space. It detects changes in infrared energy given off by occupants as they move within the field-of-view.

The YM2502 Hi-bay occupancy sensor is specially designed for high mounted areas such as warehouses, manufacturing and other high ceiling applications. The YM2502 installs directly to an industrial luminaire or junction box. It is a self-contained sensor and relay that turns light fixtures ON or OFF based on occupancy. The YM2502 provides reliable coverage up to 30 ft. mounting heights.

### TIME DELAY ADJUSTMENT

Load will operate within the set time period. It can be adjusted from 15 seconds up to 30 minutes.

The left is minimum 15 seconds and the right is maximum 30 minutes. Time should be reduced only in heavy traffic area such as hallways, kitchens, copier rooms, etc. to achieve maximum energy savings.

### INSTALLATION

The YM2502 mounts directly to an industrial LED fixture or junction box with 1/2" knockout using the provided lock-nut.

### FEATURES

Fast, easy time delay setting: can be set at any time without requiring power to the sensor; time delay is variable from 15s-30m

Instantly verify fixture operation and wiring connections: "instant ON" closing relay fires lamps in under 5 seconds

Auto temperature calibration: automatically adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field-of-view

Power interruption state: For energy savings and safety, if power is lost to device, device will return to last known state.

Manual calibration: optimize energy savings and operation by manually configuring the Daylighting Set Point

False detection intelligence: for increased energy savings and to mitigate nuisance tripping, the super bright LED indicates advanced detection has been activated and the lights will only turn ON when true occupancy has been determined

### Electrical Data

Input Voltage: 120V~347VAC, 60Hz

Load Rating: 800VA@120VAC, 1200VA@277VAC, 1500VA@347VAC, Motor: 1/6 HP Load@120V

Time Delay: 15 seconds - 30 minutes(factory set to 30 sec - no power required to set)

Wire Designation: Hot-Black, Load-Red, Neutral-White

### Environmental Data

Operating Temperature Range: 32°F to 131°F (0°C to 55°C)

Cold Storage Operating Temperature Range: -32°F to 131°F (-25°C to 55°C)

Storage Temperature Range: -32°F to 131°F (-25°C to 55°C)

Relative Humidity: 95% RH non-condensing

### Physical Data

Dimension: 3.55"H×3.55"W×1.57"D

Construction: High-impact, injection molded plastic housing

Warranty: Limited Three-Year

