

Indoor Occupancy Sensor

120-347V

Fixture mounted occupancy sensor specially designed for high mounted areas such as warehouses, manufacturing and other high ceiling applications

Mounts Directly to an Industrial LED Fixture

or junction box with 1/2" knockout using the provided lock-nut

Manual Calibration

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

Fast, Easy Time Delay Setting

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

False Detection Intelligence

for increased energy savings the indicator shows advanced detection has been activated. Lights will only turn ON when true occupancy has been determined



Power Interruption State

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

Auto Temperature Calibration

automatically adjusts the PIR sensitivity as ambient temperature rises

TECHNICAL DATA



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 YM2503A 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 YM2503A 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.

ELECTRICAL

Voltage	120-347V, 60Hz
60Hz Load Rating	800V @ 120V 1200V @ 277V 1500V @ 347V
Time Delay	15 seconds - 30 minutes <small>(Factory set to 30 sec - no power required to set)</small>
Wire Designation	Hot-Black, Load-Red, Neutral-White

ENVIRONMENTAL

Operating Temp	0°C to 55°C
Cold Storage Operating Temp	-25°C to 55°C
Storage Temp	-25°C to 55°C
Relative Humidity	95% RH non-condensing

PHYSICAL

Dimensions	3.55"H × 3.55"W × 1.57"D
Construction	High-impact, injection molded plastic housing
Warranty	3-year