



## Ceiling and Wall Mount Occupancy Sensors

### Low Profile Passive Infrared Ceiling Sensor

#### KEY FEATURES

- Low-profile design
- Integral photocell control
- Auxiliary relay version available
- Line-voltage version available
- 1,500 square-foot, 360° coverage area
- Optional Quick to Install (QTI) connector
- UL and cUL listed
- 5-year warranty



PIR10

#### OVERVIEW

The PIR10 uses passive infrared (PIR) technology to turn lighting on and off based on occupancy. Designed specifically for areas with long-range major-motion activity, the PIR10 provides a long-term trouble-free operation. The sensor's design is both visually pleasing and physically compact.

#### FEATURES and BENEFITS

##### Features

360° coverage area

Low-profile design

Integral photocell control

Auxiliary relay version available

Line-voltage version available

Optional Quick To Install (QTI) connector

##### Benefits

• Complete field of view

• Visually pleasing

• Mounts flush against ceiling

• Increases energy savings by preventing lights from turning on when there is sufficient natural light

• Easy integration with Building Automation Systems

• Accepted line-voltage inputs: 120–347 VAC

• Dramatically reduces installation costs by removing the time-consuming process of manually wiring a sensor to a power pack

• Easy to install; fast and efficient; no cutting, stripping, or wire nuts required

#### APPLICATIONS

- Offices
- Conference rooms
- Break rooms

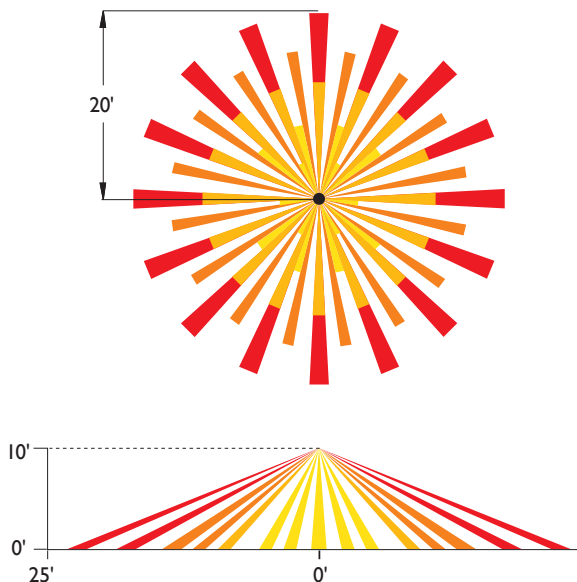
## SPECIFICATIONS

Sensitivity	<ul style="list-style-type: none"> <li>Fully adjustable: 20% –100%</li> </ul>
Timer timeout	<ul style="list-style-type: none"> <li>Fully adjustable: 30 seconds–30 minutes</li> </ul>
LED lamp	<ul style="list-style-type: none"> <li>Walk test indicator (blinking light indicates the sensor is working)</li> </ul>
Integral photocell	<ul style="list-style-type: none"> <li>Natural-light override range: 5–200 foot-candles (5–200 lux)</li> </ul>
Auxiliary relay	<ul style="list-style-type: none"> <li>SPDT; 1 A rated @ 24VDC (Model PIR10EMS only)</li> </ul>
Coverage	<ul style="list-style-type: none"> <li>360° coverage area</li> <li>1,500 square feet @ 10' mounting height</li> </ul>
Power requirements	<ul style="list-style-type: none"> <li>PIR10P: 120–347 VAC</li> <li>PIR10EMS: 24 VDC, 10 mA (uses MP-Series power pack—not included)</li> </ul>
Output	<ul style="list-style-type: none"> <li>24 VDC active high-logic control signal with short-circuit protection and optional dry contact (see: RP Option)</li> </ul>
Operating environment	<ul style="list-style-type: none"> <li>Indoor use only</li> <li>Operating temperature: 32°–131°F (0°–55°C)</li> <li>Relative humidity (non-condensing): 0%–95%</li> </ul>
Construction	<ul style="list-style-type: none"> <li>Housing – Rugged, high-impact, injection-molded plastic KJB</li> <li>ABS Cycolac (UL-945VA) flame class rating, UV inhibitors</li> <li>Color-coded leads are 6" long</li> </ul>
Size and weight	<ul style="list-style-type: none"> <li>Size: 4.0" diameter, 1.9" height (101 mm diameter, 48mm height)</li> <li>Weight: 3.0 oz</li> </ul>
Color	<ul style="list-style-type: none"> <li>White</li> </ul>
Mounting	<ul style="list-style-type: none"> <li>Metal mounting ring provided (PIR10EMS only)</li> <li>PIR10 sensors can be mounted using a 3-0 round mud ring attached to a 4" square electrical box</li> <li>Recommended MAX mounting height: 10ft.</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>UL and cUL listed</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>5 years</li> </ul>

## HOW TO ORDER

Catalog Number	Description	Color	Coverage
PIR10P	Passive Infrared Line Voltage Ceiling Sensor, 120-347VAC	White	1,500 sq. ft.
PIR10EMS	Passive Infrared Low Voltage Ceiling Sensor, with Relay	White	1,500 sq. ft.
PIR10EMSQTI	Passive Infrared Low Voltage Ceiling Sensor, with Relay and Quick To Install Connector	White	1,500 sq. ft.

### RANGE DIAGRAM



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