GE Passive Infrared Extreme Temperature sensor provides consistent, stable coverage where extreme heat, cold or humidity must be accommodated, and where there are wide fluctuations in temperature. Temperature compensating circuitry stabilizes sensitivity at temperatures -40°F to 125°F (-40°C to 52°C).

PIR Technology
The sensor’s segmented lens divides the field of view into sensor zones, and detects the changes in temperature that are created when a person, or part of a person as small as a hand, passes into or out of a sensor zone.

The lights will remain ON as long as the sensor detects movement through the detector zones. When no motion is detected, lights are switched OFF following a preset time delay.

GE extreme temperature PIR sensors control lighting in applications where extreme temperature/humidity must be tolerated with unique temperature compensating circuitry. Human and automobile motion activates a GE Switchpack to turn lights ON within a coverage area and illumination is maintained until no motion is detected within a preset time period. Once no motion is detected, lights are turned OFF and energy is saved.

A built-in photocell optimizes savings by monitoring ambient light level (set at a predetermined threshold). If ambient light is sufficient, sensor will detect motion but not turn ON lights. If ambient light is not sufficient, lights will be activated when motion is detected. The Ambient Lights Control Circuit includes a deadband and time delay which ignores brief changes in light levels such as headlights of a passing car. To ensure the proper start-up of HID lighting, lamps are forced into “high” mode for the first 20 minutes. After the 20 minute warm up, if motion is still detected, the sensor will keep lights ON at full brightness. When connected to a Building Automation System (BAS), the CIR-15-360-D-T and CIR-2H-360-D-T offer the most versatile connection possibilities available including an open collector output (with or without the pullup feature) and a direct BAS connection.

### Specifications

**Technology:** Passive Infrared (PIR)

**Electrical Ratings:**
- **Input:**
  - 10-30VDC from GE Switchpack or GE System. Maximum current needed is 25mA per sensor.
- **Output:**
  - Open Collector Output to switch up to ten GE Switchpacks.
  - Isolated Form C Relay
  - Isolated Form C Relay Ratings: 1A 30VDC/VAC

**Operating Environment:**
- Temperature: -40°F - 125°F (-40°C - 52°C)
- Relative Humidity: up to 95% non-condensing

**Time Delays:** Self-Adjusting up to 30 min.

**Housing:**
- Medium impact injection molded housing. ABS resin complies with UL 94V0. Paintable off-white.

**Size:**
- 3.13”D x 4.5”W x 1.63”H (79.0mm x 114.3mm x 42.4mm)

**Daylight sensor:**
- 10 fc - 150 fc user selectable

**LED Indicators:** Red LED indicates PIR detection.

### Ordering

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Model</th>
<th>Color</th>
<th>Coverage</th>
<th>Field of View</th>
</tr>
</thead>
<tbody>
<tr>
<td>63273</td>
<td>CIR-15-360-D-T</td>
<td>White</td>
<td>Up to 1500 sq. ft.</td>
<td>360°</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>When mounted at 25 ft., up to 25 ft. in all directions or 50 linear ft. for warehouse aisles.</td>
<td></td>
</tr>
<tr>
<td>63274</td>
<td>CIR-2H-360-D-T</td>
<td>White</td>
<td></td>
<td>360°</td>
</tr>
</tbody>
</table>

GE Lighting Controls

GE Aware™

Extreme Temperature Passive Infrared Ceiling Low Voltage Occupancy Sensor

CIR-xx-360-D-T

Overview
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Wiring Diagram (consult instruction sheet for other wiring options)

**WARNING**
- Risk of electric shock
- Turn power off before servicing
- Follow all National Electrical Code

**CIR-xx-360-D-T**

**Coverage**
- **CIR-15-360-D-T**
- **CIR-2H-360-D-T**

**Settings**

<table>
<thead>
<tr>
<th>Switch No.</th>
<th>Time Delay (Minutes)</th>
<th>Light Level (FC)</th>
<th>Pull-Up</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.25</td>
<td>Off</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>14</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>18</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>22</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>26</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>30</td>
<td>10</td>
<td>1</td>
</tr>
</tbody>
</table>

Measured at 30” off the ground.