Double the Basic Performance and Easy Installation! Optex Ensures Reliability Even for Protecting Large Indoor Venues.

- 21m (70ft.) Wide-Angle, 45m (150ft.) Long-Range Detection Ideal for Commercial and Industrial Applications
- Completely Sealed Optics with Dual Structure
- Double Conductive Shielding of Pyro Electric Element
- Dual Purpose Lens
- Double Easy Knockout
- Easy-to-View LED
- Sufficient Space for Wiring

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**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Detection Method</strong></td>
<td>Passive Infrared</td>
</tr>
<tr>
<td><strong>Coverage</strong></td>
<td>Wide angle 85° wide, Long range</td>
</tr>
<tr>
<td><strong>Detection Zones</strong></td>
<td>69 zones, 22 zones</td>
</tr>
<tr>
<td><strong>Mounting Height</strong></td>
<td>1.5m - 3.0m (5 - 10ft)</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>1.0°C at 0.001m/sec, 0.4m (mounting height)</td>
</tr>
<tr>
<td><strong>Detectable Speed</strong></td>
<td>0.3 - 1.5m/sec, 1 (1 ft/sec)</td>
</tr>
<tr>
<td><strong>Power Input</strong></td>
<td>8.5 - 16V DC</td>
</tr>
<tr>
<td><strong>Current Draw</strong></td>
<td>8mA (normal), 11mA (max.) at 12V DC</td>
</tr>
<tr>
<td><strong>Alarm Period</strong></td>
<td>Approx. 2.5 sec</td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td>N.C. 28V DC 0.2A max.</td>
</tr>
<tr>
<td><strong>Tamper Switch</strong></td>
<td>N.C. opens when cover is removed, 26V DC 0.1A max.</td>
</tr>
<tr>
<td><strong>Pulse Output</strong></td>
<td>Approx. 20 sec, 2 in 4</td>
</tr>
<tr>
<td><strong>Warm-up Period</strong></td>
<td>Approx. 60 sec</td>
</tr>
<tr>
<td><strong>LED Indicator</strong></td>
<td>Alarm condition</td>
</tr>
<tr>
<td><strong>RF Interference</strong></td>
<td>No alarm 30V/m</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>1-4GHz, -10°C to +50°C (-4°F to +122°F)</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>95% max.</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>200g (7.0 oz.)</td>
</tr>
</tbody>
</table>

**Dimensions**

- **CX-702**
  - 15 x 15 x 34 mm (0.6 x 0.6 x 1.3 in.)

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*Specifications and design are subject to change without prior notice.*

**NOTES:** This unit is designed to detect movement of an intruder and activate an alarm contingent. Being only part of a complete system, we cannot accept responsibility for any damage or other consequences resulting from an intrusion. This product conforms to the EEC Directive 89/336 EEC.
The Optex CX-702 Delivers Reliable Detection in Large Commercial Buildings

**CX-702**

**High Reliability Performance**

- **Multi-Focus Optics (Patent Listed)**
  The highly accurate and reliable detection pattern will maintain its sensitivity throughout the entire detection area, even in high temperature or low contrast environments. Multi-Focus Optics create an extremely high vertical zone density, two or three times the size of conventional PIRs. These taller zones capture the entire body mass and enable detection of even the slightest temperature contrast against the temperature of the background. In addition, the vertical detection density has been improved to take into account dead zones created by furniture or partitions.

- **Sealed Optics—Complete Shielding with Dual Structure**
  The pyroelectric element is completely sealed with the dual-structured internal molding of the housing cover, thus preventing false alarms caused by drafts and small insects from getting inside.

- **Spherical Lens Design**
  Conventional flat lenses inevitably create sensitivity distortion problems when they are bent to fit a curved housing. OPTEX's spherical designed lens will obtain sharp detection because no bending is required.

- **Patented Double Conductive Shielding**
  The double shield lets infrared energy pass through, but blocks out light sources since it features a special conductive filter that covers the lens window.

- **Temperature Compensation Circuit**
  The Temperature Compensation Circuit will bring stable detection capability under high temperature conditions, where the background temperature is similar to that of the human body. It maintains a high level of false alarm protection while providing accurate detection by automatically adjusting its sensitivity according to the environmental temperature.

- **False Alarm Protection**
  - **RFI Protection**
    Built-in noise reduction chip blocks out RFI noise with field strength of 30V/m.
  - **Temperature Protection (CX-702 only)**
    No alarm in high, low and changing temperatures from -20°C to +50°C (−4°F to 122°F).

- **Disturbance-Free Tamper Switch**
  Completely sealed housing structure greatly eliminates disturbances to Tamper Switch.

**Installation Reliability**

- **Double Easy-Knockout**
  Compatible with two types of cables: a thick, 8mm (0.3inch) diameter cable and a thin, 5mm (0.2inch) diameter cable.

- **Sufficient Space for Wiring**

- **Easy-To-View LED**

- **Selectable Pulse Count: 2 or 4**

**Versions**
- CX-702 Standard
- CX-702S Battery Operated, Form C

**Options**
- CA-1W Wall Mount Multi-Angle Bracket
- CA-2C Ceiling Mount Multi-Angle Bracket
- BA-70 Backbox for wireless transmitter