The Blue Line Gen2 Quad PIR Detector (ISC-BPQ2-W12) uses two individual sensors that operate like two PIRs in one detector. Each sensor processes signals separately. Both must activate to generate an alarm signal. This improves false alarm immunity relative to a standard PIR, because false alarm sources such as noise spikes and small animals are ignored. Quad detectors also provide superior catch performance versus a standard PIR or dual-technology detector. They are particularly well suited for challenging installation situations; for example, cases where cross catch of intruders cannot be guaranteed or where intruders are able to cross the detection pattern very quickly.

This eliminates the need for the installer to select the sensitivity level, thus improving ease of installation and reliability.

**Dynamic Temperature Compensation**
The detector intelligently adjusts its sensitivity to maintain its ability to identify human intruders at virtually any temperature.

**Wall-to-Wall Coverage**
An improved lookdown zone and coverage range of 12 m x 12 m (40 ft x 40 ft) provide wall-to-wall coverage.

**Self-locking Enclosure**
The sliding self-locking enclosure has an integrated bubble level and custom gap-free, lift-gate style terminal blocks to make installation easier.

**Sealed Optics and Electronics**
The optics and electronics are assembled into the front enclosure and sealed with a protective cover to prevent damage during installation. The sealed optical chamber also prevents drafts and insects from affecting the detector.
**Test Features**
Externally visible alarm LED can be disabled after installation.

**Certifications and approvals**
This detector is also designed to comply with the following:
- Europe
  - Complies with EN50131-2-2 Grade 2
  - Complies with EN50130-5 Class II
  - Complies with EN60529, EN50102 (IP30, IK04)
  - Complies with Directive 2002/95/EC - Restriction of the use of certain Hazardous Substances (RoHS)

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulatory compliance/quality marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>CE, EMC, LVD, RoHS [ISC-BPQ2-W12]</td>
</tr>
<tr>
<td></td>
<td>EN50131-2-2 [ISC-BPQ2-W12]</td>
</tr>
<tr>
<td>Belgium</td>
<td>INCERT, B-509-0051</td>
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<tr>
<td>USA</td>
<td>UL</td>
</tr>
<tr>
<td></td>
<td>20190115; UL639 – Standard for Intrusion-Detection Units</td>
</tr>
<tr>
<td>Canada</td>
<td>ULC</td>
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<td></td>
<td>CAN/ULC S306-03 - Canadian Standard for Intrusion Detection Units</td>
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<td>France</td>
<td>AFNOR, N2620200002A0 [ISC-BPQ2-W12]</td>
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<td>Sweden</td>
<td>INTYG, 16-667 [ISC-BPQ2-W12]</td>
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<td>Bulgaria</td>
<td>GO, FSPP</td>
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<td></td>
<td>[ISC-BPR2-W12, ISC-BPQ2-W12, ISC-BPR2-WP12, ISC-BQ2-W12, ISC-BDL2-W12, ISC-BDL2-WP12]</td>
</tr>
</tbody>
</table>

**Coverage Patterns**
12 m x 12 m (40 ft x 40 ft) coverage

**Mounting**
The recommended mounting height is 2.2 m to 2.75 m (7.5 ft to 9 ft) with no adjustments required.
Mount the motion detector level, both horizontally and vertically.

**Mounting options:**
- On a flat wall (surface, semi-flush), with the optional B335-3 Swiveling low-profile mount, or with the optional B328 Gimbal-mount Bracket
- In a corner (the junction of two perpendicular walls)
- On the ceiling with the optional B338 Universal Ceiling-mount Bracket
## Parts included

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Detector</td>
</tr>
<tr>
<td>1</td>
<td>Hardware pack</td>
</tr>
<tr>
<td></td>
<td>2 anchors (#6, #8 x 7/8)</td>
</tr>
<tr>
<td></td>
<td>2 screws (#6 x 1.25)</td>
</tr>
<tr>
<td></td>
<td>1 cable tie (2.5 mm)</td>
</tr>
<tr>
<td>1</td>
<td>Literature pack</td>
</tr>
</tbody>
</table>

## Technical specifications

### Electrical

- **Current (alarm/standby):** 10 mA at 12 VDC
- **Voltage (operating):** 9 VDC to 15 VDC

### Environmental

- **Environment:** Complies with EN50130-5 Class II
- **Relative Humidity:** 0 to 95%, non-condensing
  - For UL Listed product installations, 0 to 85%, non-condensing
- **Temperature (operating):**
  - -30°C to +55°C (-20°F to +130°F)
  - For UL Listed product installations, 0°C to +49°C (+32°F to +120°F)

### Mechanical

- **Color:** white
- **Dimensions:** 105 mm x 61 mm x 44 mm
  - (4.2 in. x 2.4 in. x 1.7 in.)
- **Material:** High-impact ABS plastic
- **Radio Frequency Interference (RFI) Immunity:** No alarm or setup on critical frequencies in the range from 150 kHz to 2 GHz at field strengths less than 30 V/m.

## Outputs

- **Relay:** Solid state, supervised, Form A normally-closed (NC) contacts rated for ≤100 mA, 25 VDC, 2.5 W, <20 Ω closed
- **Tamper:** Normally-closed (NC) contacts (with cover on) rated for ≤100 mA, 25 VDC, 2.5 W
  - Connect tamper circuit to 24-hour protection circuit.

## Ordering information

**ISC-BPQ2-W12 PIR Motion detector, 40ft (12m)**

Provides PIR, 12 m x 12 m (40 ft x 40 ft) coverage, utilizing two PIR sensors in one motion detector.

Order number **ISC-BPQ2-W12**

**B328 Mounting bracket, gimbal**

Mounts on a single-gang box and allows rotation of a detector. Wires are hidden inside.

Order number **B328**

**B335-3 Mounting bracket, swivel, low profile**

Swiveling, low-profile, universal bracket for wall mounting. The vertical swivel range is +10° to -20°, while the horizontal swivel range is ±25°.

Order number **B335-3**

**B338 Mounting bracket, ceiling, universal**

Swiveling universal bracket for ceiling mounting. The vertical swivel range is +7° to -16°, while the horizontal swivel range is ±45°.

Order number **B338**