The Pearl sensor is an outdoor motion detector that uses PIR and microwave sensors for dual detection. The motion detector will aid to protect your property against crime with its invisible curtain using passive infrared sensing.

It can be positioned to look across windows, doors or the entire length of the house or property wall. It also comes standard with anti-masking circuitry and separate output contacts.

The Pearl detector comes standard with a customisable “T” bracket for narrow beam applications protecting across a door or window. An additional swivel bracket can be purchased for applications that require a customisable pan and tilt angle.

**FEATURES & BENEFITS**

- IP65, suitable for outdoor use
- Dual technology, PIR and microwave
- Narrow PIR curtain lens
- Low voltage 12VDC supply input
- Temperature compensation for extreme environments
- Up to 12 meter programmable detection range
- N/C volt free contacts for tamper, mask and alarm
- Available in silver or white
- Masking detection to prevent intruder tampering

**APPLICATIONS**

- **Residential**
- **Commercial**

**Pearl Curtain Beam Detector**

![Image of Pearl Curtain Beam Detector]
**Product Features**

**Codes**
- **GJD140** 10.587GHz Detector (UK)
- **GJD141** 10.525GHz Detector
- **GJD149** Swivel bracket

**Beam Coverage**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>Detection Range</th>
<th>Normally Closed Alarm</th>
<th>Normally Closed Masking</th>
<th>Normally Closed Tamper</th>
<th>Power Input</th>
<th>During installation the DC supply fault current shall be limited to a maximum of 1A</th>
<th>Operating Temperature</th>
<th>Temperature Compensation</th>
<th>Microwave Frequencies</th>
<th>Max Beam Pattern Area</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>GJD140</td>
<td>3m, 6m, 9m, 12m</td>
<td>50mA 24Vdc alarm time 10s</td>
<td>50mA 24Vdc</td>
<td>with 20Ω impedance 50mA</td>
<td>12V +/- 3V max 40mA</td>
<td></td>
<td>-20°C to +55°C</td>
<td>Digital</td>
<td>GJD140 10.587GHz (UK)</td>
<td>12 x 2m</td>
<td>117mm(h) x 44mm(w) x 41mm(d)</td>
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<td>GJD141</td>
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<td>GJD141 10.525GHz</td>
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<td>120mm(h) x 68mm(w) x 50mm(d)</td>
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<td>GJD149</td>
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<td>125mm(h) x 93mm(w) x 58mm(d)</td>
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<td></td>
<td>8 core 7/0.2mm</td>
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<td>2 - 2.5m</td>
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<td>GJD 149</td>
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</table>

**Dimensions**
- T-Bracket: 120mm(h) x 68mm(w) x 50mm(d)
- Swivel Bracket Accessory: 125mm(h) x 93mm(w) x 58mm(d)

**Weight**
- 154g
- 200g

**Cable** (<200m)
- 8 core 7/0.2mm

**Walk Test**
- Using LED indication

**Recommended Mounting Height**
- 2 - 2.5m

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