Triggering Lighting and Camera

The LX series is weatherproof and specifically designed for outdoor applications, such as triggering lighting and cameras. With advanced features such as sensitivity and range adjustment and a built-in light sensor providing day and night modes, the LX series is highly versatile. With Double Conductive Shielding, the LX series is resistant to interference from non-related light sources such as the sun and car headlights.

**OUTDOOR PIR DETECTOR**

- 12 X 15m 120° Wide
- 24 X 2m Long and narrow

**LX-402** **LX-802N**

**Features**
- Day & night modes
- Selectable detection patterns (Pet Alley or Multi-Level)
- Area-masking strips
- Sensitivity selection switch
- Selectable pulse count (test or 2)
- Form C relay output
- Double conductive shielding
## OUTDOOR PASSIVE INFRARED DETECTOR

**LX-402/802N**

![Diagram of LX-402/802N](image)

### SPECIFICATION

<table>
<thead>
<tr>
<th>Model</th>
<th>LX-402</th>
<th>LX-802N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection method</td>
<td>Passive Infrared</td>
<td>Passive Infrared</td>
</tr>
<tr>
<td>Coverage</td>
<td>12m x 15m (40 ft. x 50 ft.)</td>
<td>24m x 2m (80 ft. x 6.6 ft.)</td>
</tr>
<tr>
<td>Detection zones</td>
<td>Multi-level area: 40 zones, Pet alley area: 18 zones</td>
<td>Multi-level area: 12 zones, Pet alley area: 4 zones</td>
</tr>
<tr>
<td>Mounting area</td>
<td>Multi-level area: 2.5m (8.3 ft.), Pet alley area: 1.2 - 1.5 m (4 - 5 ft.)</td>
<td></td>
</tr>
<tr>
<td>Detection speed</td>
<td>0.3 - 1.0 m/sec.</td>
<td>0.3 - 1.0 m/sec.</td>
</tr>
<tr>
<td>Sensitivity adjustment</td>
<td>Selectable 3 position (H, M, L)</td>
<td>Selectable 3 position (H, M, L)</td>
</tr>
<tr>
<td>Alarm output</td>
<td>LED lights during detection</td>
<td>LED lights during detection</td>
</tr>
<tr>
<td>Alarm output</td>
<td>2 ± 1 sec. (delay timer)</td>
<td>2 ± 1 sec. (delay timer)</td>
</tr>
<tr>
<td>Tamper switch</td>
<td>NC, NO. 28V DC 0.2A max.</td>
<td>NC, NO. 28V DC 0.2A max.</td>
</tr>
<tr>
<td>Pulse count</td>
<td>2 (20 ± 5 sec.) or TEST (1 pulse)</td>
<td>2 (20 ± 5 sec.) or TEST (1 pulse)</td>
</tr>
<tr>
<td>Day/night mode adjustment</td>
<td>Approx. 10 to 100,000 lux</td>
<td>Approx. 10 to 100,000 lux</td>
</tr>
<tr>
<td>Warm-up period</td>
<td>Approx. 60 sec.</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>Power supply</td>
<td>10.8 - 13.2V DC</td>
<td>10.8 - 13.2V DC</td>
</tr>
<tr>
<td>Current consumption</td>
<td>25mA max.</td>
<td>25mA max.</td>
</tr>
<tr>
<td>Installation place</td>
<td>Wall (indoor/outdoor)</td>
<td>Wall (indoor/outdoor)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-20°C to +50°C (~4°F to +122°F)</td>
<td>-20°C to +50°C (~4°F to +122°F)</td>
</tr>
<tr>
<td>Operating humidity</td>
<td>95% max.</td>
<td>95% max.</td>
</tr>
<tr>
<td>Weight</td>
<td>170g (6.0oz.)</td>
<td>190g (6.8oz.)</td>
</tr>
<tr>
<td>IP rating</td>
<td>IP 54</td>
<td>IP 54</td>
</tr>
<tr>
<td>Accessory</td>
<td>Masking strips (LX-402 only), mounting screw, sponge</td>
<td></td>
</tr>
</tbody>
</table>

### DETECTION PATTERNS

**TOP VIEW**

**SIDE VIEW**

**MULTI-LEVEL AREA**

**PET ALLEY AREA**

### DIMENSIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>LX-402</th>
<th>LX-802N</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LX-402</strong></td>
<td>141 (5.56)</td>
<td>141 (5.56)</td>
</tr>
<tr>
<td><strong>LX-802N</strong></td>
<td>74.8 (2.95)</td>
<td>74.8 (2.95)</td>
</tr>
</tbody>
</table>

Specifications and design are subject to change without prior notice.

---

**OUTDOOR PASSIVE INFRARED DETECTOR**

---

**OPTEX INCORPORATED (USA)**
TEL: +1-909-993-5770
Tech: (800)966-7839
URL: http://www.optexamerica.com/

**OPTEX DO BRASIL LTDA.**
TEL: +55-11-2225-0934
URL: http://www.optexdobrasil.com.br/

**OPTEX (EUROPE) LTD. (UK)**
TEL: +44-1628-631000
URL: http://www.optex-europe.com/

**OPTEX SECURITY SAS (FRANCE)**
TEL: +33-437-55-50-50
URL: http://www.optex-security.com/

**OPTEX SECURITY Sp.z o.o. (POLAND)**
TEL: +48-22-988-08-55
URL: http://www.optex.com.pl/

**OPTEX PINNACLE INDIA PRIVATE LIMITED**
TEL: +91-124-4035704
URL: http://www.optex-india.com/

**OPTEX (DONGGUAN) CO., LTD. SHANGHAI OFFICE (CHINA)**
TEL: +86-21-34800073
URL: http://www.optexchina.com/

**OPTEX (JAPAN)**
TEL: +81-77-579-8670
URL: http://www.optex.co.jp/e/

---

The Day & Night Modes
- Adjust the Day/Night Mode switch according to the brightness of the surrounding environment.

### Selectable Detection Patterns (Multi or Pet Alley)
- Multi-level or Pet Alley detection patterns can be selected by sliding the printed circuit board and flipping the mirror. Changing the vertical detection area allows the detector to match the site conditions.

### Area Masking Strips (LX-402 only)
- Unwanted detection areas can be easily eliminated by attaching the supplied masking strips.

### Selectable Sensitivity (High, Mid, Low)

### Selectable Pulse Count (Test or 2)
- Test Mode is selected when conducting a Walk Test, or for use in extremely stable environment.