Congratulations on purchasing the MRPC33 Safety Reflective Photo Eye with Hood Kit from DF Supply, Inc.

Follow these instructions to properly set up your Safety Reflective Photo Eye Kit with various different types of automatic gate and door openers or operators.

Questions?
Email sales@dfsupplyinc.com
Wiring the Photo Eye to your Gate Opener

**Common Wiring Ports**

<table>
<thead>
<tr>
<th></th>
<th>Brown</th>
<th>Black</th>
<th>Gray</th>
<th>White</th>
<th>Blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apollo 635/636/835/836</td>
<td>12V</td>
<td>Not Used</td>
<td>14</td>
<td>GND</td>
<td>GND</td>
</tr>
<tr>
<td>Apollo 1050i</td>
<td>V+</td>
<td>Not Used</td>
<td>28</td>
<td>29</td>
<td>GND</td>
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<tr>
<td>Apollo 936i</td>
<td>12V</td>
<td>Not Used</td>
<td>Safety</td>
<td>GND</td>
<td>GND</td>
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<tr>
<td>BFT Libra UL</td>
<td>11</td>
<td>18</td>
<td>Not Used</td>
<td>15</td>
<td>12</td>
</tr>
<tr>
<td>BFT Rigel 5</td>
<td>20</td>
<td>3.5</td>
<td>Not Used</td>
<td>33</td>
<td>21</td>
</tr>
<tr>
<td>FAAC E024U</td>
<td>8</td>
<td>4</td>
<td>Not Used</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>FAAC 455D</td>
<td>17</td>
<td>12</td>
<td>Not Used</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>GTO Blue Board <em>Must splice from battery</em></td>
<td>Battery *</td>
<td>Not Used</td>
<td>Safety</td>
<td>COM</td>
<td>COM</td>
</tr>
<tr>
<td>Linear Apex DC+</td>
<td>Not Used</td>
<td>C-OBS</td>
<td>COM</td>
<td>DC-</td>
<td></td>
</tr>
<tr>
<td>Linear Apex II DC+</td>
<td>Not Used</td>
<td>C-OBS / O-OBS*</td>
<td>COM</td>
<td>DC-</td>
<td></td>
</tr>
<tr>
<td>USAutomatic +</td>
<td>J2 Pin 12</td>
<td>J2 Pin 8</td>
<td>Not Used</td>
<td>J2 Pin 7</td>
<td>J2 Pin 2</td>
</tr>
</tbody>
</table>

12-30V DC/AC 60 Hz

**Detection Method**
- Retro-Reflection

**Sensing Range**
- 10 meters

**Supply Volt**
- 12-30V DC/AC 60 Hz

**Response Time**
- 10 msec.

**Sensing Range (adjustable)**
- 10m

**Emitting Element**
- IR LED

**LED Indicator (Left Side)**
- Beam Aligned: N.C.: ON, N.O.: OFF

**Power LED Indicator (Right Side)**
- When Powered: LED ON
- Power Off: LED OFF

**Dimensions**
- 20mm(w) x 63mm(h) x 39mm(d)

**Current Consumption**
- 100mA

**Output Method**
- SPDT Relay output

**Switching Capacity**
- 30VDC/AC, 2A

**Connection Method**
- Cable wires: Brown / Blue / White / Black / Gray

**Housing Method**
- Case: PC; Lens: PC

**Operating Temp.**
- -4°F to 131°F (-20°C to 55°C)

**Water Proof**
- IP-55

**Cable Wires**
- 2517 / 24AWG / 5 cores

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### Features and Specifications

- Sensing range adjustable potentiometer (optional)
- PC casing, anti fog / dew / rains
- IP-55 Water Proof
- Square/ Round Shape reflector selectable
- Wrap around mounting bracket
- Input Volt.: 12-30V DC/AC 60 Hz
- 2 LED indicators for power and beam alignment
- Hood for round / square shape reflector (optional)

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*When installing Linear Apex II, you must use 2 Photoeyes.*