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.
# Wiring the Photo Eye to your Gate Opener

<table>
<thead>
<tr>
<th>Common Wiring Ports</th>
<th>Brown</th>
<th>Black</th>
<th>Gray</th>
<th>White</th>
<th>Blue</th>
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<tbody>
<tr>
<td>Apollo 635/635/835/836</td>
<td>12V</td>
<td>Not Used</td>
<td>14</td>
<td>GND</td>
<td>GND</td>
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<tr>
<td>Apollo 1055i</td>
<td>V+</td>
<td>Not Used</td>
<td>28</td>
<td>29</td>
<td>GND</td>
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<tr>
<td>Apollo 926i</td>
<td>12V</td>
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<td>Safety</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>
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<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>
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<tr>
<td>FAAC ES 55D</td>
<td>17</td>
<td>12</td>
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<td>16</td>
<td>16</td>
</tr>
<tr>
<td>GTO Blue Board</td>
<td>Battery*</td>
<td>Not Used</td>
<td>Safety</td>
<td>COM</td>
<td>COM</td>
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<tr>
<td>Linear Apex</td>
<td>DC+</td>
<td>Not Used</td>
<td>C-OBs</td>
<td>COM</td>
<td>DC-</td>
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<tr>
<td>Linear Apex II</td>
<td>DC+</td>
<td>Not Used</td>
<td>See Figure*</td>
<td>COM</td>
<td>DC-</td>
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<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>
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</tbody>
</table>


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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)

### 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

### Power LED Indicator
- (Left Side): Beam Aligned N.C.: ON N.O.: OFF
- Beam Broken N.C.: OFF N.C.: ON

- (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

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

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

### Water Proof
- IP-55

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

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**Disclaimer:** Please note this is only a suggestion for typical applications. Your gate opener control board may vary due to manufacturer revisions. Please consult your gate opener manual for detailed instructions.

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**Linear Apex II**

- Resistor From Photo Eye 1: Gray Wire
- Resistor From Photo Eye 2: Gray Wire

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*Must splice from battery*

†† When installing USAutomatic, 12V battery must be connected to properly align photo eye beam.