1-800-633-0405 **MV Series AC Powered Photoelectric Sensors**



M18 (18mm) Plastic- AC

- Diffuse, polarized reflective, and through-beam models
- Plastic housing
- Axial cable or M12 quick-disconnect models
- Operates on 20 to 253 VAC
- IP67 rated

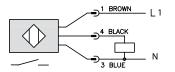


| Diffuse S09pu: S09pu: 100mm [3.9 in] 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 1 MV2-A0-0E \$09pv: \$00pv: 100mm [7.9 in] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 1 MV4-A0-0E \$00py: \$00py: 200mm [7.9 in] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 2 Chart 2 MV6-A0-0E \$00py: \$00py: 200mm [15.7 in] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 3 MV6-A0-0E \$00py: \$00py: 400mm [15.7 in] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 3 MV6-A0-0E \$00py: \$00py: 400mm [15.7 in] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 2 Chart 3 Polarized reflective* \$00pu: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-0E \$00pu: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 2 | MV Series Photoelectric Sensors Selection Chart | | | | | | | | |
|--|---|----------|------------|-----------------|--------------|-------------------------|-----------|------------|-----------------------|
| MV2-A0-0A \$09pu: 100mm [3.9 in] 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 1 MV2-A0-0E \$09py: 100mm [7.9 in] M.O. M12 [12mm] connector Diagram 1 Figure 1 Chart 1 MV4-A0-0A \$09py: 200mm [7.9 in] N.O. M12 [12mm] connector Diagram 1 Figure 1 Chart 2 MV6-A0-0E \$09pz: \$00pz: \$00mm [15.7 in] M12 [12mm] connector Diagram 1 Figure 2 Chart 3 MV6-A0-0E \$;09p]: 400mm [15.7 in] M12 [12mm] connector Diagram 1 Figure 1 Chart 3 MVP-A0-0E \$;09u: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-0E \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-0A \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-0E \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable | Part Number | | nber Price | | Output State | Connection | Wiring | Dimensions | Characteristic Curves |
| MV2-A0-OE \$09pv: 100mm [3.9 in] M12 [12mm] connector Diagram 1 Figure 2 Chart 1 MV4-A0-OE \$09px: 200mm [7.9 in] N.O. M12 [12mm] connector Diagram 1 Figure 2 Chart 2 MV6-A0-OE \$09pz: 400mm [15.7 in] N.O. M12 [12mm] connector Diagram 1 Figure 1 Chart 2 MV6-A0-OE \$;09p]: 400mm [15.7 in] N.O. M12 [12mm] connector Diagram 1 Figure 1 Chart 3 Polarized reflective* MVP-A0-OA \$09uu: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-OE \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-OE \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 2 Chart 4 MVP-A0-OA \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-OA \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 2 Chart 4 <th>iffuse</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | iffuse | | | | | | | | |
| MV2-A0-OE \$09pv: 1 1 M12 [12mm] connector Diagram 1 Figure 2 MV4-A0-OA \$09px: 200mm [7.9 in] N.O. M12 [12mm] connector Diagram 1 Figure 1 Chart 2 MV4-A0-OE \$09py: 200mm [15.7 in] N.O. M12 [12mm] connector Diagram 1 Figure 1 Chart 2 MV6-A0-OE \$;09p]: 400mm [15.7 in] M12 [12mm] connector Diagram 1 Figure 2 Chart 3 Polarized reflective* MVP-A0-OE \$;09pi: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 3 MVP-A0-OE \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-OE \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 2 Chart 4 MVP-A0-OE \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 2 Chart 4 MVE-00-OA Emitter <td>IV2-A0-0A</td> <td></td> <td>\$09pu:</td> <td>100mm [2 0 in]</td> <td></td> <td>2m [6.5 ft] axial cable</td> <td>Diagram 1</td> <td>Figure 1</td> <td>Chart 1</td> | IV2-A0-0A | | \$09pu: | 100mm [2 0 in] | | 2m [6.5 ft] axial cable | Diagram 1 | Figure 1 | Chart 1 |
| MV4-A0-OE \$09py: 200mm [7.9 in] N.O. M12 [12mm] connector Diagram 1 Figure 2 Chart 2 MV6-A0-OA \$09pz: 400mm [15.7 in] M12 [12mm] connector Diagram 1 Figure 1 Chart 3 MV6-A0-OE \$;09p]: 400mm [15.7 in] M12 [12mm] connector Diagram 1 Figure 2 Chart 3 MV6-A0-OE \$;09p]: 400mm [15.7 in] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 3 MVP-A0-OE \$;09pu: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-OE \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-OE \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 2 Chart 4 MVP-A0-OE \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVE-00-OA Emitter \$09us: Receiver 2m [6.5 ft] axial cable Diagram 2 Figure 1 Chart 5 | IV2-A0-0E | | \$09pv: | 100mm [5.9 m] | | M12 [12mm] connector | Diagram 1 | Figure 2 | Chart |
| MV4-A0-0E \$09py: Autroit M12 [12mm] connector Diagram 1 Figure 2 MV6-A0-0A \$09pz: 400mm [15.7 in] 400mm [15.7 in] M12 [12mm] connector Diagram 1 Figure 1 Chart 3 Polarized reflective* MVP-A0-0A \$09uu: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-0E \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-0E \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 2 Chart 4 MVP-A0-0E \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-0E \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 2 Chart 4 MVP-A0-0E \$09uv: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVE-00-0A Emitter \$09us: Receiver 2m [6.5 ft] axial cable Diagram 2 Figure 1 Chart 5 | IV4-A0-0A | | \$09px: | 000 [7 0 i=1 | NO | 2m [6.5 ft] axial cable | Diagram 1 | Figure 1 | Ob and D |
| MV6-A0-0E \$;09p]: 400mm [15.7 in] M12 [12mm] connector Diagram 1 Figure 2 Chart 3 Polarized reflective* | IV4-A0-0E | | \$09py: | 200mm [7.9 in] | N.O. | M12 [12mm] connector | Diagram 1 | Figure 2 | Chart 2 |
| MV6-A0-0E \$;09p]: Image: figure for the second sec | MV6-A0-0A | | \$09pz: | 400 | | 2m [6.5 ft] axial cable | Diagram 1 | Figure 1 | Ob and D |
| MVP-A0-0A \$09uu: 3m [9.8 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 Chart 4 MVP-A0-0E \$09uv: 3m [9.8 ft] N.O. M12 [12mm] connector Diagram 1 Figure 2 Chart 4 Through-beam** MVE-00-0A Emitter \$09us: Receiver 2m [6.5 ft] axial cable Diagram 2 Figure 1 Chart 5 | <u>MV6-A0-0E</u> | | \$;09p]: | 400mm [15.7 in] | | M12 [12mm] connector | Diagram 1 | Figure 2 | Chart 3 |
| MVP-A0-0E \$09uv: 3m [9.8 ft] N.O. M12 [12mm] connector Diagram 1 Figure 2 Chart 4 Through-beam** MVE-00-0A Emitter \$09us: Receiver 2m [6.5 ft] axial cable Diagram 2 Figure 1 Chart 5 | plarized reflect | ive* | | | | | | · | |
| MVP-A0-0E \$09uv: Image: Constraint of the second seco | MVP-A0-0A | | \$09uu: | 2m [0 9 #] | NO | 2m [6.5 ft] axial cable | Diagram 1 | Figure 1 | Chart 4 |
| MVE-00-0A Emitter \$09us: Receiver 2m [6.5 ft] axial cable Diagram 2 Figure 1 Chart 5 | IVP-A0-0E | | \$09uv: | 311 [9.0 IL] | N.U. | M12 [12mm] connector | Diagram 1 | Figure 2 | Chart 4 |
| Chart 5 | hrough-beam* | * | | | | | | | |
| MVE-00-0E Emitter \$00ut dependent M12 [12mm] connector Diagram 2 Figure 2 | IVE-00-0A | Emitter | \$09us: | | Receiver | 2m [6.5 ft] axial cable | Diagram 2 | Figure 1 | Chart 5 |
| | IVE-00-0E | Emitter | \$;09ut: | 16m [50 5 ft] | dependent | M12 [12mm] connector | Diagram 2 | Figure 2 | Griart 5 |
| MVR-A0-0A Receiver \$09ux: 16m [52.5 ft] N.O. 2m [6.5 ft] axial cable Diagram 1 Figure 1 | IVR-A0-0A | Receiver | \$09ux: | 10111[02.5 11] | N.O. | 2m [6.5 ft] axial cable | Diagram 1 | Figure 1 | Chart 5 |
| MVR-A0-0E Receiver \$09uy: N.O. M12 [12mm] connector Diagram 1 Figure 2 | IVR-A0-0E | Receiver | \$09uy: | | N.O. | M12 [12mm] connector | Diagram 1 | Figure 2 | Griant S |

*Purchase reflectors separately. **Purchase one receiver and one emitter for a complete set.

Wiring Diagrams

Diagram 1 Receiver



Dimensions

(mm)

Figure 1

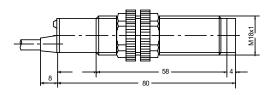


Diagram 2 Emitter

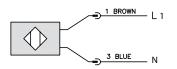
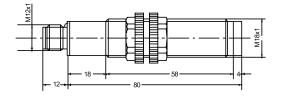






Figure 2



1-800-633-0405

MV Series AC Powered Photoelectric Sensors

| MV Se | eries AC Photoelectric Se | ensors Specifications | | | |
|-------------------------------------|--|--|---|--|--|
| Specifications | Diffuse Models | Reflective Models | Through-Beam Models | | |
| Туре | Diffuse reflection | Polarized reflective ⁴ | Through-beam⁵ | | |
| Sensing Distance | MV2 models: 100mm ¹ MV4 models: 200mm ¹ MV6 models: 400mm ² | 3m³ | 16m | | |
| Light Spot Diameter | MV2 models: 50mm @ 100mm MV4 models 90mm @ 200mm MV6 models: 240mm @ 400mm | 80mm @ 3m | 1200mm @ 20m | | |
| Emission | Infrared [880nm] | Red [660nm] | Infrared [880nm] | | |
| Tolerance | +15/ -5 | 5% Sn | N/A | | |
| Sensitivity | | Fixed | | | |
| Output Type | | TRIAC | | | |
| Operating Voltage | | 20-253VAC, 50/60Hz | | | |
| No-load Supply Current | 30mA (rms) | | Emitter: 30mA (rms) Receiver: 15mA (rms) | | |
| Operating (Load) Current | 5-300mA (rms) (Ta=50°C) | | | | |
| Off-state (Leakage) Current | | 1.5mA (rms) max. at 250VAC | | | |
| Voltage Drop | | 3V max. I L=300mA | | | |
| Switching Frequency | | 25Hz | | | |
| Ripple | | ≤ 10% | | | |
| Time Delay Before Availability (tv) | | 200ms | | | |
| Short-Circuit Protection | | Yes | | | |
| Operating Temperature | | -25 to 70°C [-13 to 158°F] | | | |
| Protection Degree (DIN 40050) | | IEC IP67 | | | |
| LED Indicators - Switching Status | | red (output energized) | | | |
| Housing Material | Polybutylene Tereph | thalate (PBT) plastic housing, polycarbo | onate (PC) cable exit | | |
| Lens Material | | Plexiglas 7N | | | |
| Shock/Vibration | | See terminology section | | | |
| Tightening Torque | 1 N•m [0.737 lb-ft] | | | | |
| Weight | 35-1 | 00 g | 70-200 g | | |
| Connectors | 2m | [6.5 ft] axial cable; M12 [12mm] connect | ctor | | |
| Agency Approvals | | UL Recognized E130644, CE | | | |

¹ With 100x100mm white matte paper ² With 200x200mm white matte paper

³ With standard Ø84mm RL110 reflector

⁴ Purchase reflectors separately.

⁵ An emitter (SSE) and receiver (SSR) pair must be ordered for a complete sensor set.

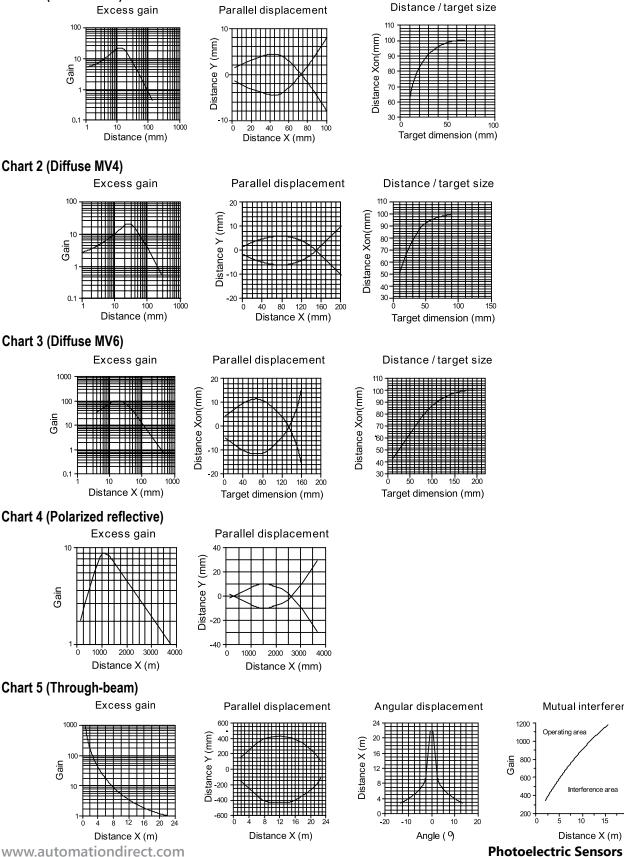
To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

| Switching Element Function | | | | | |
|--|------|------|--|--|--|
| Through-beam and Diffuse Reflect Reflective Models Models | | | | | |
| Light-on | N.C. | N.O. | | | |
| Dark-on | N.O. | N.C. | | | |

Warning: These products are not safety sensors and are not suitable for use in personal safety applications.

1-800-633-0405 **MV Series AC Powered Photoelectric Sensors Characteristic curves**

Chart 1 (Diffuse MV2)



tSEN-46

Mutual interference

ference area

10 15

Distance X (m)

Operating area

Accessories for 18mm Sensors

Axial Mounting Bracket

Axial mounting bracket available in zinc plated steel or 316L stainless steel. Has two mounting holes (use 4mm screws) and allows for rotation of an optical axis for right-beam-angle-adapter sensors. Hexagonal nuts not included. For use with 18mm sensors.

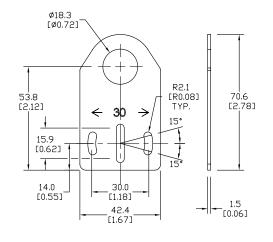
| Accessories for 18mm Sensors | | | | | | |
|---|---------|---|-------------|--|--|--|
| Part Number Price Description Weight b [g] | | | | | | |
| <u>ST18A</u> | \$;97,: | Micro Detectors mounting bracket, axial, zinc plated steel. For use with 18mm sensors. | 0.06 [27.2] | | | |
| <u>ST18A7W</u> | \$980: | Micro Detectors mounting bracket, axial, 316L stainless steel. For use with 18mm sensors. | 0.06 [27.2] | | | |



<u>ST18A</u>

Dimensions

mm [inches]



Right-angle Mounting Bracket

Right-angle mounting bracket for use with 18mm sensors. Has two mounting holes (use 4mm screws) and allows the rotation of an optical axis for axial sensors. Hexagonal nuts not included.

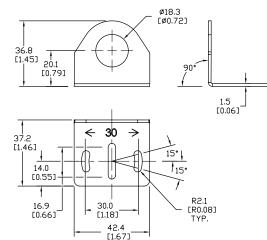
| | Accessories for 18mm Sensors | | | | | |
|----------------|-------------------------------|---|-------------|--|--|--|
| Part Number | Part Number Price Description | | | | | |
| <u>ST18C</u> | \$981: | Micro Detectors mounting bracket, right-angle, zinc plated steel. For use with 18mm sensors. | 0.06 [27.2] | | | |
| <u>ST18C7W</u> | \$982: | Micro Detectors mounting bracket, right-angle, 316L stainless steel. For use with 18mm sensors. | 0.06 [27.2] | | | |



<u>ST18C</u>

Dimensions

mm [inches]



Accessories for 18mm Sensors

Right-angle Fine Tune Mounting Bracket

Mounting bracket, right-angle, fine tune vertical and horizontal adjustment, nickelplated steel. For use with 18mm sensors. Allows for fine tuning vertical and horizontal placement.

| | Accessories for 18mm Sensors | | | | | | | |
|----------------|------------------------------|---|-----------------|----------------|--|--|--|--|
| Part Number | Price | Description | Drawing Link | Weight [lb] | | | | |
| <u>OPT2036</u> | \$-1nlk: | Wenglor mounting bracket, right-angle, fine tune vertical and horizontal adjustment, nickel plated steel. For use with 18mm sensors. | <u>PDF</u> | 0.02 | | | | |



OPT2036

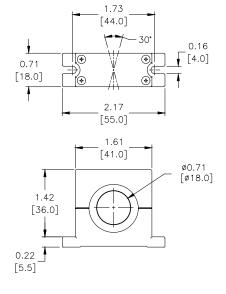
Swivel Mounting Bracket

Mounting bracket, ball swivel, plastic. For use with 18mm sensors. Has a ball-joint and set screws to adjust sensor orientation. Allows angular orientation up to 15 degrees (from center) in all directions for photoelectric sensors (Will not work with C18 series).

| Accessories for 18mm Sensors | | | | | | |
|------------------------------|---------|--|----------------|--|--|--|
| Part Number | Price | Description | Weight [lb] | | | |
| <u>ST02</u> | \$05h#: | Micro Detectors mounting bracket, ball swivel, plastic. For use with 18mm sensors. | 0.06 | | | |

Dimensions

mm [inches]







Accessories for 18mm Sensors

Right-angle Mounting Brackets

Mounting bracket, right-angle, fixed insertion stop adjustment, plastic. For use with 18mm sensors. Available with or without fixed insertion stop.

| | Accessories for 18mm Sensors | | | | | | | |
|----------------|-------------------------------|--|------------|----------------|--|--|--|--|
| Part Number | Part Number Price Description | | | | | | | |
| <u>OPT2104</u> | \$;-1nlt: | Wenglor mounting bracket, right-angle, fixed insertion stop adjustment, plastic. For use with 18mm sensors. | <u>PDF</u> | 0.06 [27.2] | | | | |
| <u>OPT2105</u> | \$-1nlu: | 1nlu: Wenglor mounting bracket, right-angle, plastic. For use with 18mm sensors. | | 0.06 [27.2] | | | | |



OPT2104, OPT2105

Right-angle Swivel Mounting Systems

Mounting bracket, right-angle swivel, 360 degree vertical and horizontal adjustment, 12mm rod mount. For use with 18mm sensors. Available in all 304 stainless steel or with an aluminum head and a stainless steel mounting plate.

| | Accessories for 18mm Sensors | | | | | | | | |
|----------------|------------------------------|--|---------------------------|---------------------------|-----------------|------------------|--|--|--|
| Part Number | Price | Description | Mounting Head | Mounting Plate | Drawing Link | Weight Ib [g] | | | |
| <u>OPT2116</u> | \$-1nl#: | Wenglor mounting bracket, right-angle swivel, 360 degree vertical and horizontal adjustment, aluminum, 12mm rod mount. For use with 18mm sensors. | Aluminum | 304 Stainless steel | <u>PDF</u> | 0.15 [68.0] | | | |
| <u>OPT2117</u> | \$;-1nl!: | Wenglor mounting bracket, right-angle swivel, 360 degree vertical and horizontal adjustment, 304 stainless steel, 12mm rod mount. For use with 18mm sensors. | 304 Stainless steel | 304 Stainless steel | <u>PDF</u> | 0.28 [127.0] | | | |



<u>OPT2116, OPT2117</u>

Note: 304 Stainless steel mounting rods sold separately: <u>OPT2109</u> (200mm [7.87 in] length), <u>OPT2110</u> (300mm [11.81 in] length), and <u>OPT2111</u> (500mm [19.69 in] length).

1-800-633-0405 Mounting Rods and Brackets

Mounting Rods

304 Stainless steel rods for mounting swivel brackets <u>OPT2112</u> - <u>OPT2127</u> Available in three lengths: 200mm, 300mm, and 500mm. 12mm diameter.

| Μ | Mounting Rods for OPT2112-2127 Swivel Mounting Brackets | | | | | | | |
|----------------|---|---|-----|------------------|--|--|--|--|
| Part Number | Drawing Link | Weight Ib (g) | | | | | | |
| <u>OPT2109</u> | \$1nn9: | Wenglor mounting rod, 12mm diameter, 200mm length, 304 stainless steel. | PDF | 0.41 [185.97] | | | | |
| <u>OPT2110</u> | \$1nna: | Wenglor mounting rod, 12mm diameter, 300mm length, 304 stainless steel. | PDF | 0.60 [272.16] | | | | |
| <u>OPT2111</u> | \$1nnb: | Wenglor mounting rod, 12mm diameter, 500mm length, 304 stainless steel. | PDF | 0.98 [444.52] | | | | |



Right-angle Mounting Bracket

Mounting bracket, right-angle, nickel-plated brass. For use with 12mm mounting rods <u>OPT2109</u>, <u>OPT2110</u> & <u>OPT2111</u>.

| | Right-angle Mounting Brackets for 12mm Sensors | | | | | | | |
|----------------|--|---|------------|----------------|--|--|--|--|
| Part Number | Part Number Price Description | | | | | | | |
| <u>OPT2108</u> | \$-1nly: | Wenglor mounting bracket, right-angle, nickel-plated brass. For use with 12mm mounting rods OPT2109, OPT2110 & OPT2111. | <u>PDF</u> | 0.07 [31.8] | | | | |



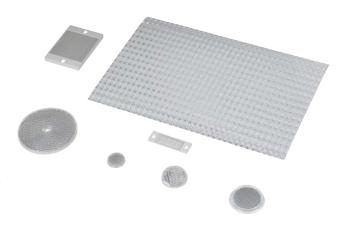
1-800-633-0405 Reflectors

RL Series Reflectors for Polarized Reflective Photoelectric Sensors (All Models)

- Suitable for use with polarized light photoelectric sensors
- Shapes and sizes for most applications
- Miniature types for close mounting in multiple sensor installations
- Single hole, dual hole and self-adhesive mounting types available
- Single and 10-packs available

Installation Notes

- Keep the reflector surface clean to ensure peak detection performance. This is especially true when the maximum sensing range is being used. Clean using a damp cloth.
- When selecting a reflector, it is important to consider the ambient conditions it will be exposed to. Dusty or high humidity conditions may reduce the sensing range as much as 90%.
- Reflectors should be positioned at a 90° angle to the optical axis with a tolerance of $\pm 15^\circ$.



| | | | | Reflector Specif | ications | | | |
|-----------------|-----------|-----------------|----------|-----------------------------|-------------------------|--|---------------------------------------|----------------------------------|
| Part number | Price | Drawing Link | Quantity | Dimensions mm [in] | Degree of Protection | Mounting | Materials | |
| <u>RL102</u> | \$;09[h: | DDC | 10 | 25 | | | | |
| <u>RL102-1</u> | \$?6y: | <u>PDF</u> | 1 | [0.98] | | O standard still | | |
| <u>RL103</u> | \$;-09[i: | DDC | 10 | 34.5 | | Customer-supplied adhesive or other | | |
| <u>RL103-1</u> | \$?6z: | <u>PDF</u> | 1 | [1.36] | | mounting method required | | |
| <u>RL104</u> | \$;-09[j: | | 10 | 46 | | required | | |
| <u>RL104-1</u> | \$;?6]: | <u>PDF</u> | 1 | [1.81] | | | Reflective face: PMMA | |
| <u>RL105G</u> | \$-2e_j: | 005 | 10 | 95 x 38 | | T . (2 | Polymethylmethacrylate (acrylic) | |
| <u>RL105G-1</u> | \$2e_k: | <u>PDF</u> | 1 | [3.74 x 1.50] | | Two 4.3 mm holes | Base material: ABS | |
| <u>RL106G</u> | \$;-09[I: | - PDF | 10 | 182 x 42 | | Two 6mm holes | Two 6mm balas | (Acrylonitrile-butadiene-styren) |
| <u>RL106G-1</u> | \$?6_: | | 1 | [7.17 x 1.65] | | | | |
| <u>RL110</u> | \$;09[n: | 005 | 10 | 84 | | | - | |
| <u>RL110-1</u> | \$?6#: | <u>PDF</u> | 1 | [3.31] | LEC IP67 | One 5mm hole | | |
| <u>RL116</u> | \$05yv: | 005 | 10 | 41 x 60 | | Two 3mm holes | - | |
| <u>RL116-1</u> | \$;?6!: | PDF | 1 | [3.54 x 2.36] | | Two 3mm holes | | |
| <u>RL100DA4</u> | \$0?77: | NA | 1 | 200 x 300 [7.87 x 11.81] | | | | |
| RL100DC4 | \$0?78: | NA | 1 | 50 x 300 [1.97 x 11.81] | | Self-adhesive | Paper (Acrylic tape with micro prism) | |
| <u>RL100DQ1</u> | \$?79: | NA | 1 | 100 x 100 [3.94 x 3.94] | | | | |
| <u>RL111G</u> | \$;0?6,: | | 10 | 22.5 x 47 | | Two 3mm slots | | |
| <u>RL111G-1</u> | \$?6?: | PDF | 1 | [0.89 x 1.85] | | | Reflective face: PMMA | |
| <u>RL112G</u> | \$0?71: | DDE | 10 | 19 x 73 | | | Polymethylmethacrylate (acrylic) | |
| <u>RL112G-1</u> | \$?70: | <u>PDF</u> | 1 | [0.75 x 2.87] | | | Base material: ABS | |
| <u>RL113G</u> | \$0?73: | - PDF | 10 | 51.4 x 60.3 | | Two 4mm slots | (Acrylonitrile-butadiene-styren) | |
| <u>RL113G-1</u> | \$?72: | | 1 | [2.02 x 2.37] | | 100 4000 3003 | | |

Not recommended for applications involving moist air environments or water immersion.

1-800-633-0405 **Reflectors**

RL Series Reflectors for Polarized Reflective Laser Photoelectric Sensors (FALN series)

Suitable for use with polarized light laser photoelectric sensors

- Sizes for most applications
- Miniature types for close mounting in multiple sensor installations
- Single and 5-packs available

| Specifications | | | | | | |
|-----------------------------------|------------------------------|----------------|----------------------------|----------------|----------------------------------|----------------|
| Part Number | <u>RL201</u> | <u>RL201-1</u> | <u>RL203</u> | <u>RL203-1</u> | <u>RL204</u> | <u>RL204-1</u> |
| Price | \$;09[o: | \$?74: | \$;09[p: | \$?75: | \$;09[q: | \$?76: |
| Quantity | 5 | 1 | 5 | 1 | 5 | 1 |
| Drawing Link | PDF | | PDF | | <u>PDF</u> | |
| Dimensions | 60 x 82 mm 2.36 x 3.23 in | | 19 x 6mm 0.75 x 2.36 in | | 20mm x 32mm 0.80 in x 1.26 in | |
| Degree of Protection ¹ | IEC IP67 | | | | | |
| Mounting | Two 0.4 mm holes | | Two 0.4 mm holes | | Two 0.3 mm holes | |
| Materials | Acrylic/polycarbonate | | | | | |

¹ Not recommended for applications involving moist air environments or water immersion.