

**M Series**  
Delayed Response

**Description**



**Key Features**

- Up to 360 Joule MOV Surge Protection
- Heavy-Duty Thermal Bi-Metal Switch
- 30 - 45 Second Time Delay
- UL Listed
- ANSI C136.10 Compliant

The M series photocontrols are engineered to meet the demanding needs of Utility street lighting control. The heavy-duty thermal bi-metal switch in the M series produces a minimum 30-45 second time delay, eliminating unwanted off/on operations that could be caused by lightning, car headlights or other sudden changes in the ambient light. This feature makes the M series well suited for areas with high lightning activity. All M series controls are equipped with a Metal Oxide Varistor (MOV) to protect both the control and the luminaire against sudden surges in the line voltage, as well as a 1" CdS cell to maximize the photocontrol's useful life.

|                   |  |
|-------------------|--|
| Switch            | SPST thermal bi-metallic                           |
| Fail Mode         | On (contacts normally closed)                      |
| Power Consumption | 0.9 Watts (avg) @ 120 volts                        |
| Switch Lifetime   | Exceeds 5,000 on/off operations                    |
| Temperature Range | -40°C to +65°C @ 96% RH                            |
| Cover             | High impact Noryl with UV resistant acrylic window |
| Base              | High temperature polyester (PBT)                   |
| Gasket            | Cross-linked polyethylene                          |
| Connection        | 3-Pole locking-type with solid brass legs          |
| Light Sensor      | 1" cadmium sulfide (Cds) Cell                      |

| Model      | Rated Volts           | Range (Volts) | Load Rating Tungsten (Watts) | Load Rating Ballast (VA) | Surge Protection (Joules) | Turn On (Fc) | Off/On Ratio |
|------------|-----------------------|---------------|------------------------------|--------------------------|---------------------------|--------------|--------------|
| M-120      | 120                   | 105 - 130     | 1000                         | 1800                     | 180                       | 1.5          | 4 : 1        |
| M-208-277  | 240                   | 185 - 305     | 1000                         | 1800                     | 180                       | 1.5          | 4 : 1        |
| M-480*     | 480                   | 420 - 530     | 1000                         | 1800                     | 180                       | 1.5          | 4 : 1        |
| M-PV       | 120 / 208 / 240 / 277 | 105 - 305     | 1000                         | 1800                     | 180                       | 1.5          | 4 : 1        |
| M-347*     | 347                   | 310 - 380     | 1000                         | 1800                     | 180                       | 1.5          | 4 : 1        |
| MH-120     | 120                   | 105 - 130     | 1000                         | 1800                     | 360                       | 1.5          | 4 : 1        |
| MH-208-277 | 240                   | 185 - 305     | 1000                         | 1800                     | 360                       | 1.5          | 4 : 1        |
| MH-PV      | 120 / 208 / 240 / 277 | 105 - 305     | 1000                         | 1800                     | 360                       | 1.5          | 4 : 1        |

\*Not UL Listed