



Energy Division

M Series Photocontrol

Delayed Response with Surge Protection

Tyco Electronics' M Series offers a locking style control with surge protection.

Features

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

Innovative Design

The M Series photocontrols are engineered to meet the demanding needs of utility street lighting control.

Key Benefits

A 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 the 1" CdS cell to maximize the photocontrol's useful life.

Common Uses for the M Series

- Parking Lot Lighting
- Security Lighting
- Street Lighting
- Roadway Lighting



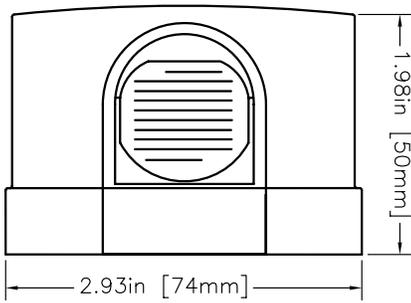
Tyco Electronics

Our commitment. Your advantage.

The M Series is the result of over fifty years of experience designing and delivering superior photocontrols and other lighting accessories in the US and around the world.

Features

Rated Volts	105 - 305 VAC
Frequency	50 - 60 Hz
Operating Light Levels	Standard 1.5 Fc ON
Time Delay	30 - 45 Second Delay ON and OFF
OFF/ON Ratio	4:1
Fail Mode	ON
Surge Protection	180 or 360 Joules
Rated Life	4 years



Specifications

Physical	- Dimensions: approx. 2.93" [74mm] dia x 1.98" [50mm] high (Not including contacts) - Enclosure: designed to meet ANSI C136.10
Temperature	- Power consumption: 0.9 watts (avg.) at 120 VAC - Minus 40°C to plus 65°C @ 96% RH
Switch Control	- SPST thermal bi-metallic
Load Rating	- Exceeds 5000 on/off operations - 1000 Watt Tungsten 1800 VA
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

Selection Information

Model	Rated Volts	Range (Volts)	Load Rating Tungsten (Watts)	Load Rating Ballast (VA)	Surge Protection (Joules)	Turn ON (Fc)	Turn OFF/ON Ratio
M-120	120	105 - 130	1000	1800	180	1.5	4 : 1
M-208-277	208/240/277	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	208/240/277	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

Tyco Electronics Corporation
8000 Purfoy Road
Fuquay Varina, NC 27526-9349
Tel: 800.327.6996
Fax: 800.527.8350
E-mail: naenergy@tycoelectronics.com
<http://energy.tycoelectronics.com/photocontrols>
www.tycoelectronics.com

Copyright 2009 Tyco Electronics Corporation.
All rights reserved.
2-1773455-3 E357 01/10

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale. TE (logo) and Tyco Electronics are trademarks of the Tyco Electronics group of companies and its licensors. Other products, logos, and Company names mentioned herein may be trademarks of their respective owners.

Energy Division – A pioneer in the development of economical solutions for the electrical power industry. Our product range includes: cable accessories, connectors & fittings, electrical equipment, instruments, lighting controls, insulators & insulation enhancement and surge arresters.