

MERIT SERIES POWER CONDITIONERS

CONVENIENT POWER PROTECTION, DISTRIBUTION, AND FILTERING

FURMAN

Furman's value line, Merit Series units provide the perfect low-cost AC power solutions for many rack mount systems.

ALL MODELS FEATURE

- Sturdy one rack space design
- 15 amp/1800 watt rating, with circuit breaker
- One year limited warranty



ADDITIONAL M-10 FEATURES

- 10 rear panel outlets



ADDITIONAL M-8 FEATURES

- Standard level surge suppression
- RFI/EMI filtering
- 8 rear panel outlets and one front panel outlet



ADDITIONAL M-8L FEATURES

- Standard level surge suppression
- RFI/EMI filtering
- 8 rear panel outlets and one front panel outlet
- Two retractable, long life, low heat LED lights with dimmer for rack illumination



ADDITIONAL M-8D FEATURES

- Standard level surge suppression
- RFI/EMI filtering
- 8 rear panel outlets and one front panel outlet
- Two retractable, long life, low heat LED lights with dimmer for rack illumination
- Digital LED voltmeter displays incoming line voltage

DESCRIPTION

A Merit "M" Series Power Conditioner is the perfect low-cost AC power solution for any rack mount system. Install an M-8, M-8D, or M-8L in the top slot of your rack, and the eight switched AC outlets in the rear panel will power up and protect all your equipment up to a 15-amp load. The M-8L and M-8D feature two slide out, swiveling light fixtures to provide discreet illumination of your equipment on stages, in studios, and in other dark places. A dimmer knob lets you adjust the lamp brightness to just the right level. The M-8D adds a bright red, three-digit LED meter that displays incoming voltage. The M-8 and M-10 are designed for applications where lights are not required.

M-Series conditioners protect your delicate electronic equipment by combining high voltage varistor (MOV) surge and transient suppressors. The fast-acting suppression circuit quickly responds and clamps transient voltages to safe levels. An RFI/EMI interference filter works to prevent noise from fluorescent lights, certain dimmers, radio transmitters, and similar sources of "electronic pollution" from contaminating the AC line and from there, leaking into sensitive audio, video, or computer circuits. The M-8 and M-8L are NRTL/TUV listed.

The M-10 is a power distributor only and has no conditioning functions. However, its sturdy rack-mount design and 10 available outlets provide a convenient way to power a rack of equipment up to a 15 amp load.

Circuit Breaker

For safety, a circuit breaker is provided on the rear panel (front panel on the M-10). If the total load on the Power Conditioner (combining all outlets) exceeds the 15A (or 1800 watt) limit, the circuit breaker will trip. If this happens, it may be easily reset by pushing in the button. There is no need to replace fuses.

Lamps

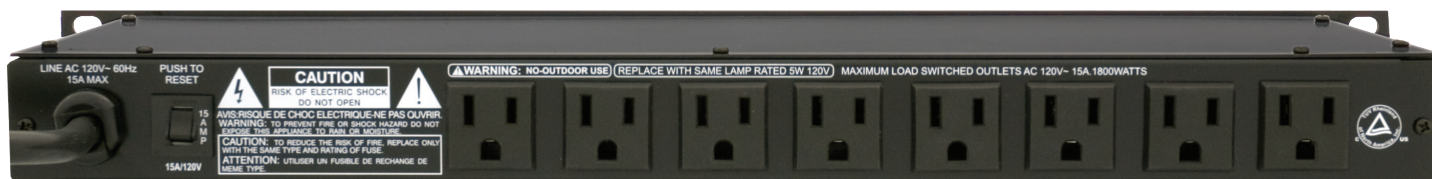
For convenience in traveling, the lamps (if present) may be pushed in, safely out of the way. When the rack is again ready to use, they pull out easily (up to 2.75 inches, or 7 cm) and may be adjusted to provide optimum illumination for your equipment. The units come supplied with 5 watt night-light bulbs. Cooler-running 4 watt bulbs or even colored Christmas tree bulbs may be substituted, if desired. Replacements are readily available at most hardware stores or almost anywhere household light bulbs are sold, and can be ordered from Furman. Bulbs are easily replaced without removing the unit from the rack by unscrewing the cap on the end of each light tube.

Switches

All models (except the M-10) have a convenient master switch for the rear outlets which glows when the power is on. In models with lighting, there is a separate "Rack Lights" switch for the lamps, plus a dimmer control knob which increases the lamps' brightness.



M-10 Rear



M-8, M-8L, M-8D Rear

MERIT SERIES SPECIFICATIONS

Current Rating
15 Amps

Line Cords
6 ft. captive. 14 AWG, with 3-conductor Edison Plug

Lamps (if present)
2 x 5 watts

AC Voltmeter (if present)
Range 60 to 150 VAC, accuracy +/- 2 VAC

Operating Voltage:
90 to 140 VAC

Spike Protection Modes (M-8, M-8L, M-8D)
Line to neutral

Maximum Surge Current (M-8, M-8L, M-8D)
4,500 Amps

Noise Attenuation (M-8, M-8L, M-8D)

Transverse mode: Greater than 20 dB, 1.5 to 200 MHz

Dimensions

19" W x 7.5" D x 1.75" H

Weight

5 lbs. (2.3 kg)

Power Consumption:

M-10, M-8: 0 Watts
M-8L, M-8D: 10 Watts

One Year Limited Warranty

Merit Series units are protected by a limited one year warranty covering defects in materials and workmanship.

Safety Agency Listing

CE, NRTL-C