

POWER MASTER

For AC Surge suppression, EMI/RFI Filter & Fax/Modem protection

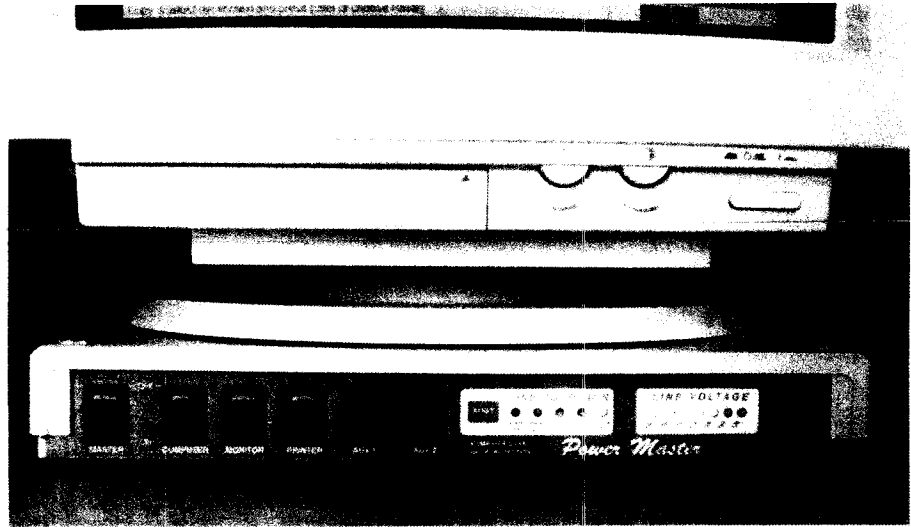
Omega Engineering, Inc.,
One Omega Drive,
Stamford, CT 06907.

POWER MASTER

AC Surge suppression, EMI/RFI Filter & Fax/Modem protection with advanced power line diagnostics for Computers, monitors, laser printers etc.

Features

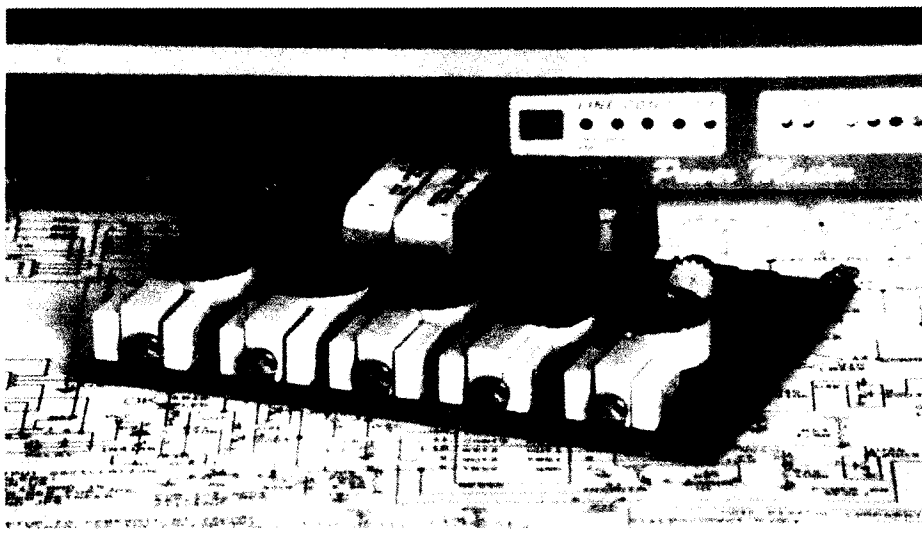
- ❖ Surge & spike protection
- ❖ Advanced AC line diagnostics
- ❖ Line voltage indicator
- ❖ Five individually switched EMI/RFI filter banks
- ❖ Multi-color LEDs to indicate line condition and voltage level.
- ❖ Protection for Fax/Modem line.
- ❖ Diagnostics reset switch.
- ❖ 15 amp circuit breaker
- ❖ 2 Year Warranty



Description

The Power Master series of AC distribution stations from Omega are designed to provide clean filtered AC with power line diagnostics in a low profile enclosure that fits conveniently underneath a monitor. Backed by years of design experience in harsh industrial environments, these units incorporate new features to detect and indicate various types of AC power problems. The five AC outlets on the back panel are all individually filtered to eliminate spikes and EMI/RFI interference. In addition to providing protection from noise on the AC line, Power Master's sophisticated circuit design also protects individual devices from a defective device that may be plugged into the same Power Master e.g. a printer with a defective print head plugged next to a computer can be a source of problem in an unfiltered outlet. Plugged into Power Master, its noise will be isolated from other devices.

Power Master's sophisticated electronics provides advanced Ac line diagnostics, voltage level indicator, extensive noise filtering, fax/modem protection and five individually switched filter banks.



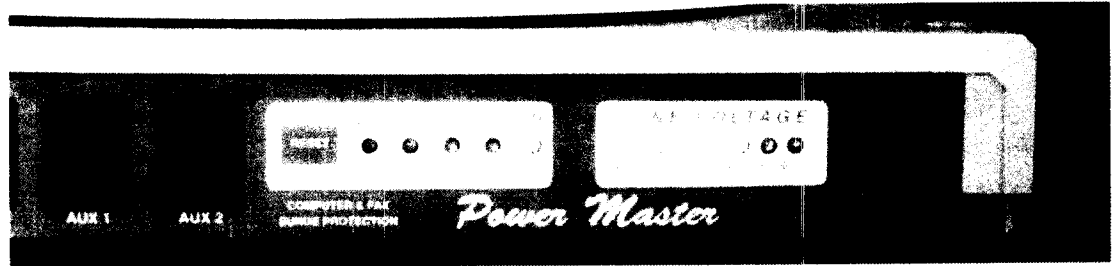
Surge Suppression

Power Master is equipped with special solid state surge suppression devices to protect equipment by absorbing dangerous over-voltage transients. By limiting these transients to safe levels, Power Master provides additional protection not available on ordinary power distribution systems. Equipment plugged into unprotected outlets encounter high voltage surges from lightning strikes or transients and spikes generated by equipment switching on and off e.g. air-conditioners. Power Master provides protection from all such voltage abnormalities.

Advanced Power Line Diagnostics

Power Master incorporates unique line diagnostic circuitry to check incoming AC Power. Monitored problems are registered on the front panel LEDS, and will continue to show even after the fault has passed. A RESET switch clears the indicated fault condition. This feature is helpful in detecting power related problems that are sometimes wrongly associated with equipment e.g. an occasional computer hang up could be because of voltage brown outs rather than a defective computer. Following most commonly encountered conditions are detected and indicated by the Power Master:

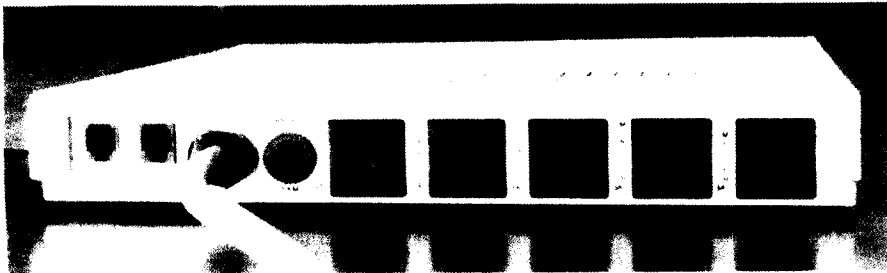
- 1) Power failure
- 2) Brown out
- 3) Low line voltage
- 4) High line voltage.
- 5) Power O.K.



Line and UPS Voltage Monitor

Power Master constantly monitors and indicates incoming line voltage. This is displayed in a bar graph format on the front panel. Plugged into a UPS, Power Master can indicate the performance of an on line UPS or the dropping voltage level as the batteries deplete.

Convenient Wiring and One Touch Operation:



Power Master provides a convenient and clean way of wiring a computer system and the related peripherals such as printer, monitor, modem etc. Each device has its own outlet and switch and can be turned on/off individually. One touch operation switches all the equipment plugged into Power Master.

SPECIFICATIONS FOR POWER MASTER

LINE CONDITION INDICATOR

| <u>LED</u> | <u>COLOR</u> | <u>CONDITION</u> |
|------------|--------------|--|
| * PWR FAIL | RED | Voltage is less than 75Vac for more than 96ms. |
| * BRWN OUT | RED | Voltage is less than 100Vac for more than 16ms |
| * LOW VOLT | RED | Voltage is less than 95Vac |
| * HI VOLT | RED | Voltage is greater than 135 Vac |
| * PWR OK | GREEN | No fault |

LINE VOLTAGE INDICATORS

- * 7 YELLOW LEDS – 100VAC to 130Vac in 5volt increments
- * Display mode: Bar graph.

POWER OUTLETS

- * Current capacity/outlet: 3 amps
- * Individual EMI/RFI filter on each outlet
- * Total Energy Rating: 2070 Joules, 330volts.

DIMENSIONS

- * Case: 1.75" x 10.20" x 11.40"
- * Weight: 4.25 lb. (1.92kg.)

POWER CABLE

- * LENGTH: 6 ft. (18.3 m)
- * AWG: 14/3

7M-4592/1107