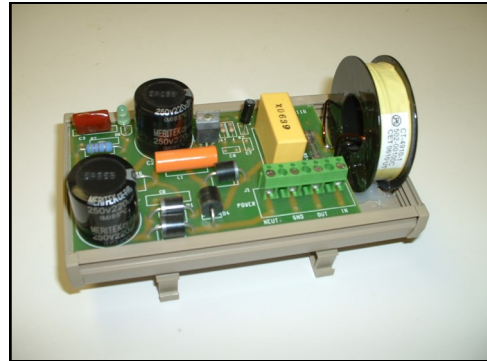


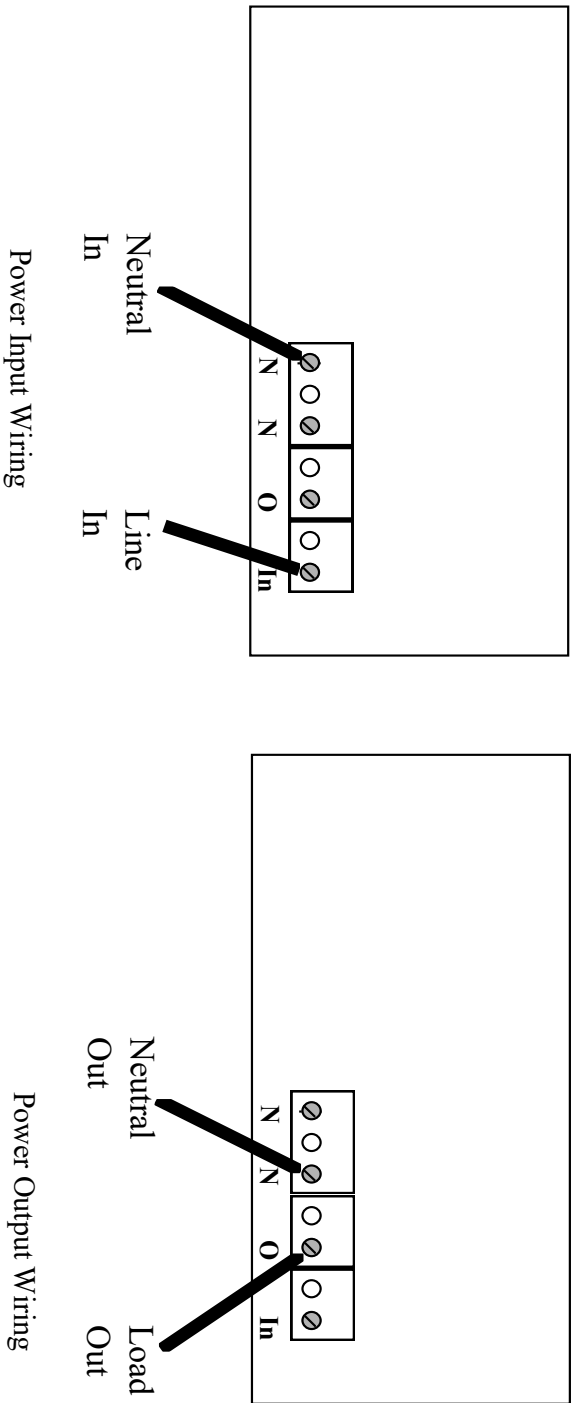


OEM5 Series



Operating Instructions

Recommended wiring for OEM 5 to 8 amp modules. Use 18 to 16 gauge, 600 volts rated wiring.



**Model: OEM5 Series - DIN Mount, 5 Amp Single Phase
OEM5-5W-120-DIN—#002-00501**

This unit is designed to run at 5 amps continuous. A 5x20mm slow blow fuse is integrated and designed to blow if a 5 amp draw is exceeded. This can easily be replaced with a standard 5x20 mm slow blow fuse available from your supplier or through Zero Surge.

Compatible with TS35 and TS32 mounting rails.

The **OEM5-5W-120-DIN** may be use for US 120V single phase applications (one hot leg, with neutral leg, 120V between hot and neutral legs). Wire as shown on rear of manual.

Wiring:

Use a minimum #18 or maximum #16 AWG wire rated for 600V or greater.

Please refer to the wiring diagram on the back cover of this manual.

A ground wire terminal or connection to the Zero Surge unit is not required for proper operation.

The neutral connections on the terminal block are connected together. The neutral is common to both the input power and load power.

Incoming “hot” line is to be connected to the terminal labeled “In” on the terminal block.

The outgoing “load” line (5 amps max.) is connected to the terminal labeled “Out” on the terminal block.

Within the US, all units should be installed in conformity with the National Electric Code and any other applicable local codes. All international installations should be made in conformance with any applicable national or local codes for that region.

Technical Specifications:

Operating Voltage Range: 85-175 VAC

Maximum Continuous Operating Voltage (MCOV) = 175 VAC

Operating Temperature Range: 0-40° C / 32-104° F

Filter Technology: Spectrum WVR Wide Voltage Range

Safety Certifications:

CSA 22.2 No. 8, UL 1283. ETL File #3162119.

Operating Mode: Mode 1 applications, L-N

Limiters:

Inductor surge current limiter, auto-tracking dual polarity voltage filters. Parameters optimized for switch-mode power supply protection.

Supplemental Filtering Onset:

172 volts nominal, 2 volts above peak line voltage (auto-tracking-WVR).

Max. Surge Voltage Let-through*:

100 volts above peak line voltage @ 6,000 volts, 3,000 amps for ANSI C62.41 Category B3/C1 Combination Wave surge.

Endurance Rating:

1,000 worst-case surges: ANSI C62.41, Category B3/C1 pulses (6,000 V, 3,000 A); >10,000 surges at 4,000 V, > 100,000 surges at 2,000 V.

** Note: Surge Voltage Let-through is the surge voltage that exceeds the powerline peak voltage.*

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We reserve the right to make design and specification changes.

Please visit www.ZeroSurge.com for latest information.

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