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OEM1000 Power Supply
Instruction Sheet

Description

The OEM1000 is an open frame power supply designed to power a variety of Compumotor OEM Series drives. The OEM1000 supplies a single 70 volt DC output and can be operated from either a 120 volt or 240 volt 50/60 Hertz source. The input voltage is selected by jumper configuration on the input terminals.

Warning

The user of this product can be exposed to lethal voltages!!! The OEM1000 is intended for use in locations accessible only by trained technicians. This product should only be installed by a trained technician. For applications where untrained personnel may be exposed to the product, the power supply should be used with a cover.

Input Voltage Selection

Two steps are needed to select the input voltage:

① The voltage selection jumper(s) need to be connected to the appropriate terminals on the front panel terminal strip.

② The appropriate fuse needs to be inserted in the fuse holder.

For 120 VAC operation, two jumpers are required: one between terminals 2 and 3 and one between 4 and 5. For 120 volt operation, the 20 Amp fuse is used. (Littlefuse #313020)

For 240 VAC operation, only one jumper is required, between terminals 3 and 4. For 240 volt operation, it is important for safety reasons to use the 10 Amp fuse provided. (Littlefuse #313010)

Input power from the line for either 120 or 240 volt operation is applied to terminals 1 and 2.

Output Connection

Power supply output is supplied on terminals 7 and 8 of the front panel terminal strip. Terminal 7 is positive with respect to terminal 8.

Shipkit

Each OEM1000 Power Supply comes with the following items:

45-015318-01	10A Fuse for 240VAC Operation
88-015317-01	OEM1000 Instruction Sheet

SPECIFICATIONS

Output

❑ 1,000 Watts, 68V Nominal	
❑ Full Load:	15 Amps
❑ Minimum Voltage:	53.2 Volts at Low line and Full Load
❑ Maximum Voltage:	84.5 Volts at High Line and No Load
❑ Maximum Ripple:	3.5V peak-to-peak at Full Load
❑ Regenerative Absorption:	60 Joules (for 90V max Output @ Nominal Line)

Input

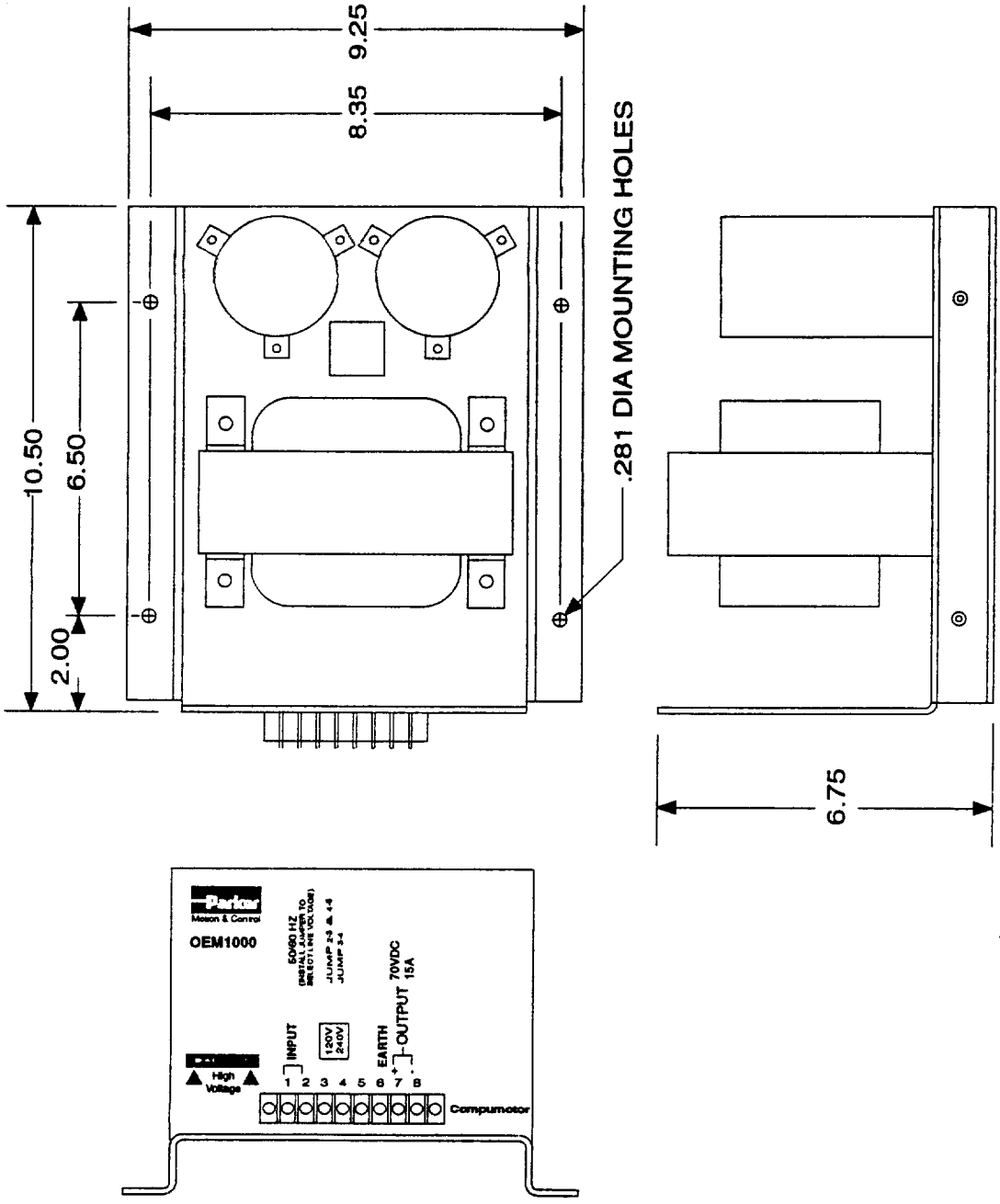
❑ 120/240 Volts 50/60 Hz, Input Fused	
❑ Selected by Terminal Board Jumpers	
• Low Line:	100/200 Volts
• High Line:	130/260 Volts
❑ Connections	Inputs and Outputs on barrier strip with screw terminals
❑ Construction	Open Frame, optional cover available
• Size:	9.25" x 10.5" x 6.75" high
• Shipping Weight	28 Lbs
• Mounting	4 each .281" mounting holes on 6.5" x 8.35" centers

Environmental

- ❑ Maximum Operating Temperature: 50°C ambient
- ❑ Power Supply Derating: 0.2A/°C above 35°C ambient

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Dimensions



P/N 88-015317-01 A

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