

# I N D E X

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## OEM300 POWER MODULE

The OEM300 is *NOT* a general purpose power supply. Use it only with Compumotor OEM Series Microstepping or Servo Drives.

### WARNING

#### NO USER SERVICEABLE PARTS INSIDE

The OEM300 contains potentially lethal voltages! Do not attempt to repair it. Return the OEM300 to Compumotor for repairs.

### HEATSINK

Attach Power Module's heatplate to a heatsink or heat sinking surface

### HEATPLATE COOLING

- You must provide a Thermal Interface to cool the heatplate
- Use silicone thermal joint compound or thermal gasket
- Maximum Temp 60°C (140°F)

### AMBIENT AIR COOLING

- Keep 2" clearance around top, bottom, and sides

#### AIR TEMP LIMITS:

- STILL AIR:
  - 35°C (95°F) @ 200W
  - 40°C (104°F) @ 170W
- MOVING AIR
  - 45°C (113°F) @ 200W
  - 50°C (122°F) @ 170W

### INPUT POWER

- 90-132VAC with Jumper Installed
  - 180-265VAC with Jumper Removed
  - **DO NOT USE 132-180VAC**
- INPUT CONNECTOR:**
- 5 Pin Removable Connector
  - 16 AWG Recommended

**You must connect the EARTH terminal to EARTH GROUND!**  
(Chassis, cover, EARTH, GND pins are connected internally)

### OUTPUT POWER

- 75VDC  $\pm$  5%
  - 2.7A/200W Continuous
  - 4.0A/300W Peak (30 sec., 10% Duty Cycle at Peak)
  - Two 75VDC pins, internally connected
- OUTPUT CONNECTOR:**
- 6 Pin Removable Connector
  - Use 16 AWG if < 10 ft., 14 AWG if > 10 ft.

**DO NOT CONNECT MULTIPLE OEM300s IN PARALLEL! They will not share the load.**

### PROTECTIVE CIRCUITS

- SHORT CIRCUIT PROTECTION — Latched
- POWER DUMP — Turns on at 85VDC
- OVER-TEMPERATURE — Unit shuts down @ 60°C; Latched; Cool to 30°C
- OVERVOLTAGE — Shuts down output after 0.5 sec overvoltage; Latched

