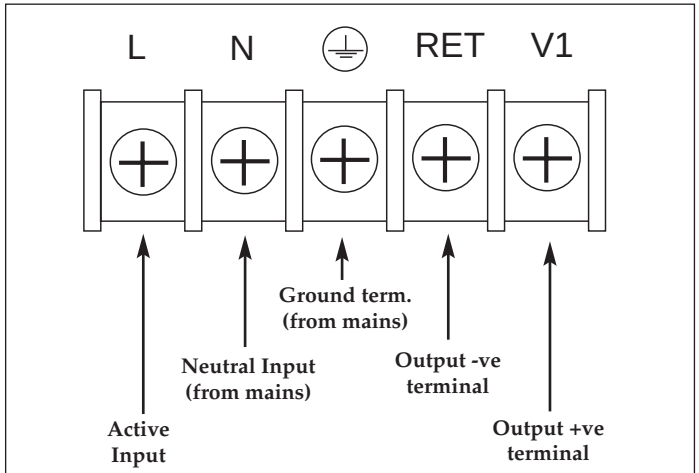
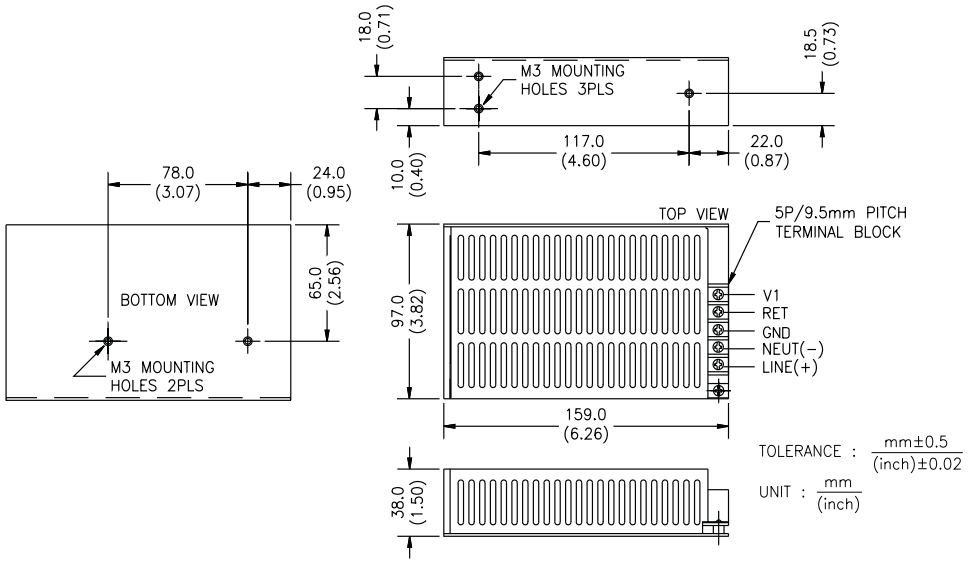


Figure 1: Terminal connection details.

Figure 2: Dimension details.



POWERTRAN M 8734 & M 8773 60W Switchmode Power Supply

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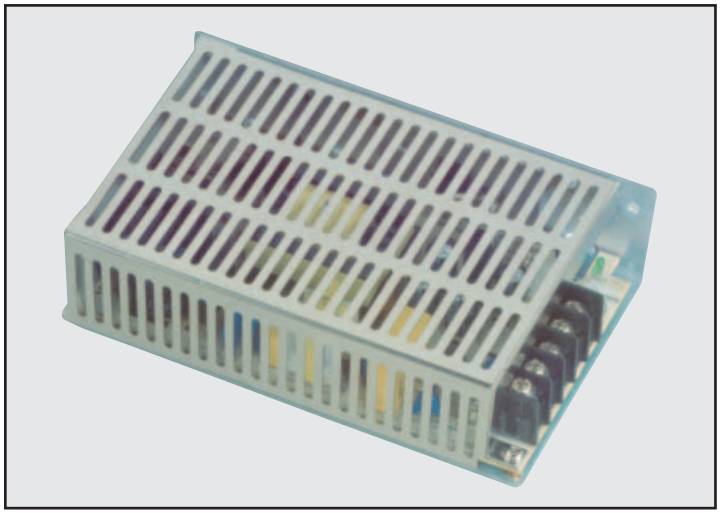

OPERATING INSTRUCTIONS

Overview:
Switchmode power supplies as compared with traditional linear transformer power supplies are lightweight, smaller and more efficient.

This power supply is supplied in a vented steel cabinet with exposed 240V input terminals. It **MUST** be installed within a secondary earthed cabinet by a suitably qualified person.

Features:
- Screw terminals for inputs and outputs
- Wide operating input voltage 90 – 264VAC, 47 – 63Hz
- Excellent output regulation from no load to full load
- High efficiency
- Overload and short circuit protection
- Inbuilt EMI filter to reduce noise radiation
- EMC approved

Applications:
- Telecommunications
- Computer peripherals / LAN & hub
- Test & industrial equipment
- Medical instruments
- Business machines

Connection Details:
Power supply connection to terminals is as described in figure 1 (page 4).

M 8734

Output Voltage Adjustment:
This has been factory set to 12V. Note the output voltage regulation is designed to be adjusted from 11.64V to 12.36V. The adjustment trimpot (located next to the connection terminals) may allow for higher voltage (say to 13.8V) but the unit is **NOT** designed to be used at this voltage.

M 8773

Output Voltage Adjustment:
This has been factory set to 24V. Note the output voltage regulation is designed to be adjusted from 23.28V to 24.72V. The adjustment trimpot (located next to the connection terminals) may allow for higher voltage (say to 26.4V) but the unit is **NOT** designed to be used at this voltage.

POWERTRAN M 8734 & M 8773 60W Switchmode Power Supply

SPECIFICATIONS

INPUT
Input range ..... 90 ~ 264 VAC, universal
Frequency .....47 ~ 63Hz
Inrush current .....30A Typ. Cold start @ 25 C, 115VAC
Efficiency.....65%~80% typical at full load
EMI filter .....FCC Class B conducted, CISPR 22 Class B conducted, EN55022 class B conducted
Line regulation .....+/- 0.5%

OUTPUT
Maximum power.....60W (convection)
Maximum current: .....M 8734, 5A @ 12V
M 8773, 2.5A @ 24V
Hold-up time .....10ms at full load and 115 VAC nominal line
Overload protection .....Short circuit protection.
Ripple/Noise.....+/- 1% Max. @ full load (Optional +/- 0.5% per inquiry)
Overvoltage protection .....Main output 20% to 40% above nominal output

SAFETY APPROVAL
UL 1950 / cUL
Optional CSA 22.2, LEVEL 3 (COMPLY WITH)
TUV EN60950
Optional UL 2601(EMI Class A) (COMPLY WITH)

EMI & EMC
FCC part 15, Class B
CISPR 22 / EN55022, Class B
VCCI, Class 2
CE, EN61000-3-2 (Class A) and-3;
EN61000-4-2, -3, -4, -5, -6 and -11

N816

ENVIRONMENTAL
Operating temperature:.....0 to 50 C ambient; derate each output at 2.5% per degree from 50 C to 70 C
Electromagnetic susceptibility: .....Designed to meet IEC 801 -2, -3, -4, -5, Level 3
Humidity: .....Operating; non-condensing 5% to 95%
Vibration:.....10 ~ 55 Hz at 1G 3 minutes period, 30 minutes along X, Y and Z axis
Storage temperature: .....40 to 85 C
Temperature coefficient:.....+/- 0.05% per degree C
MTBF demonstrated: .....> 100,000 hours at full load and 25 C ambient conditions

Dimensions:.....159L x 97W x 38H