



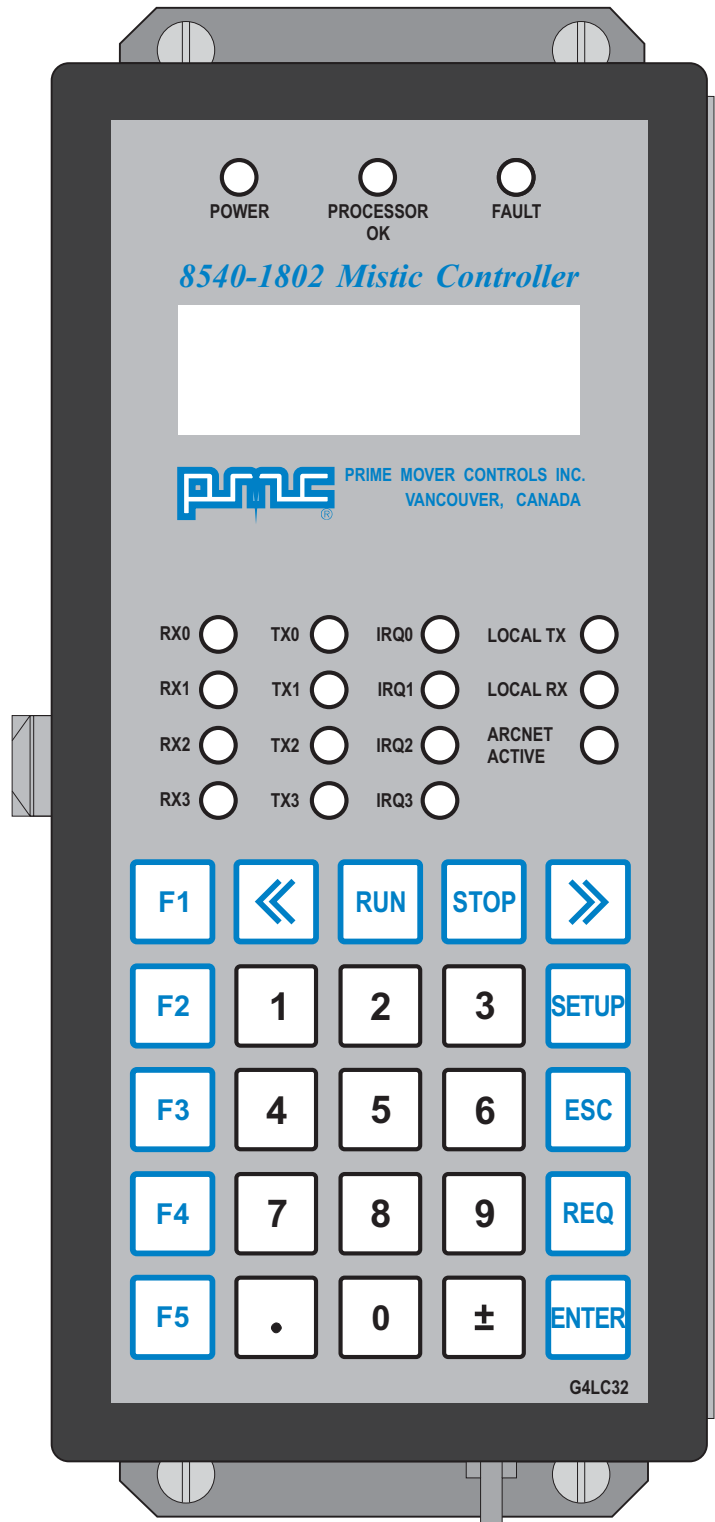
Type 8540-1802

The IMACS 8540-1802 is a high performance real-time industrial microcomputer. A 32-bit 68020 microprocessor and a 68881 floating point math coprocessor provide abundant processing power for complex control and monitoring systems. The controller is easily programmed to serve as the nucleus for the Omni Chief Alarm Collector or any control process.

FEATURES

- 32-bit microprocessor and math coprocessor
- IEEE floating point math
- 4 line by 20 character backlit LCD
- 25 button membrane keypad
- I/O interface: Two RS-232 or RS-422/485 ports, Two RS-422/485 ports, High speed Mistic local bus, ARCNET port
- Up to 4 MB of battery backed RAM
- Up to 1 Mb of Flash EPROM
- Controls up to 2224 points of local I/O, up to 16,384 points of remote I/O
- Up to 255 controllers per network
- Real time clock / calendar
- Watchdog timer
- Year 2000 compliant

IMACS MISTIC CONTROLLER

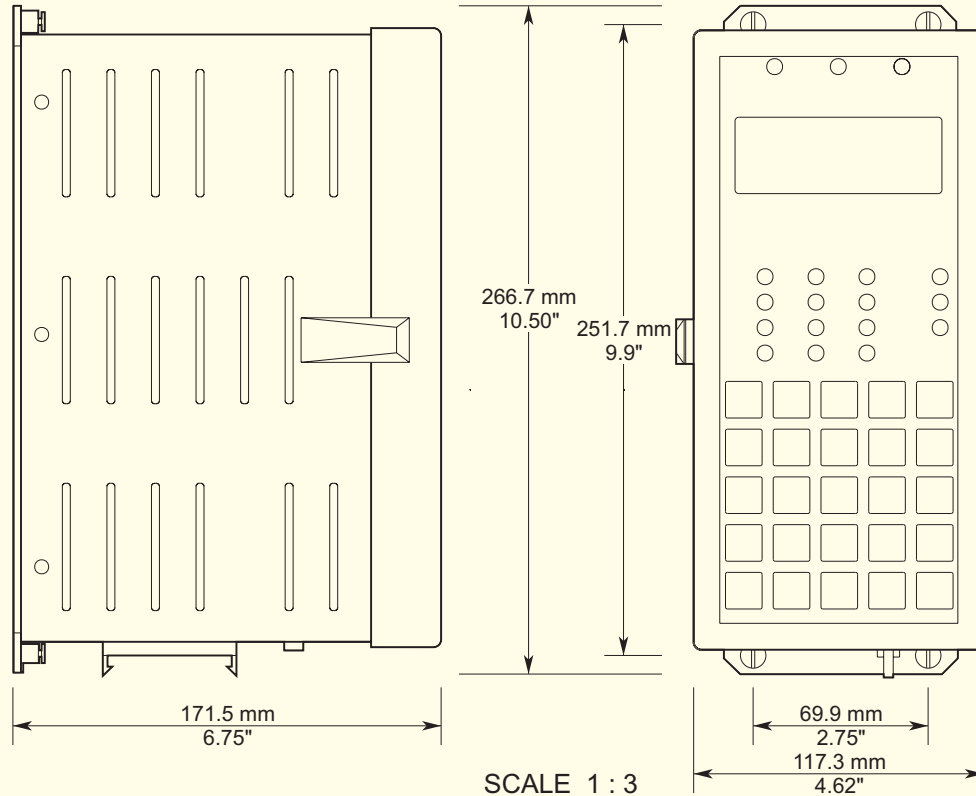


PRIME MOVER CONTROLS INC.

DIMENSIONS FOR 8540-1802 MISTIC CONTROLLER

SIDE VIEW

TOP VIEW



SCALE 1 : 3

SPECIFICATIONS:

Supply:

- Nominal 5 V_{DC}, 2 A
- PMC Type 8510-1005 power supply required
- RAM battery, 3.6 V lithium, 5 year

Environmental:

- Operating temperature 0 to +55°C
- Storage temperature -10 to +70°C
- Vibration: Frequency range 3 to 100 Hz
Velocity amplitude 100 mm/sec below 22 Hz
Acceleration amplitude 0.7 g above 22 Hz

Physical:

- IP40 enclosure
- Dimensions:
266.7 mm L × 117.3 mm W × 171.5 mm H
(10.50" L × 4.62" W × 6.75" H)
- Weight 1.91 kg (4.21 lbs)
- Removable terminal blocks
Power supply 14 to 20 AWG wires
Comm ports 18 To 24 AWG wires
- BNC connector for ARCNET

Communication:

- Two full duplex, RS-422/485 serial ports, 300-115.2 kBd
- Two full duplex, combined RS-232 or RS-422/485 serial ports, 300-115.2 kBd
- One Mistic local bus port, 1.44 MB/s
- One ARCNET port @ 2.5 Mbits/s

Hardware:

- CPU, 68020 32-bit microprocessor, 16.67 MHz
- MPU, 68881 math coprocessor
- RAM, 4 MB max, battery backed
- Flash EPROM, 1 MB max
- Real time clock / calender with battery backup
- Hardware watchdog timer

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