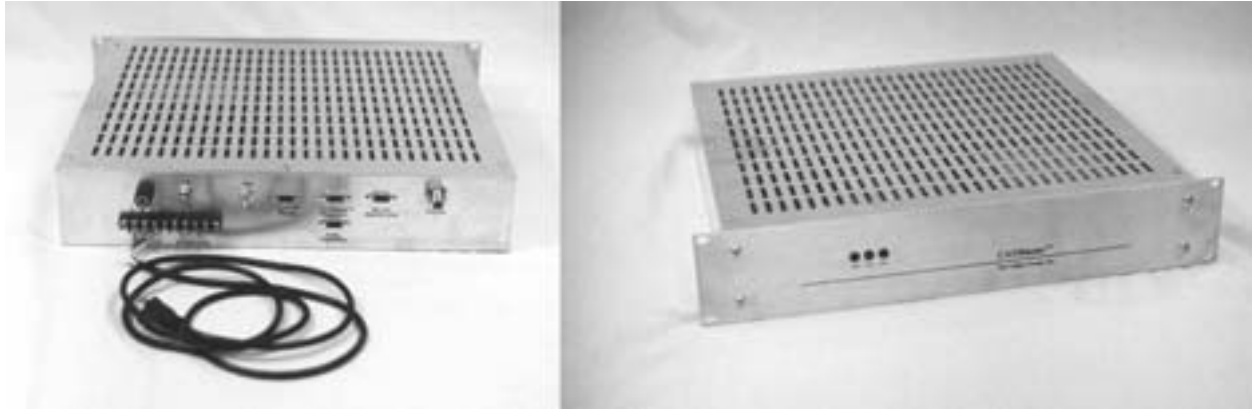


The Valley Group, Inc.

CAT-1™ Transmission Line Monitoring Systems

CATMASTER DATA SHEET



Functional Description

Together with the remote CAT-PAC units, the CATMaster provides the real-time data communications link between your CAT-1 systems and the EMS/SCADA system. Communication to the CAT-PAC's is accomplished via 900 MHz unlicensed spread spectrum radio. Communication of CAT-1 data to the EMS/SCADA system is provided via 4-wire Bell 202 analog modem output or straight RS232.

The CATMaster contains a universal power supply that may be supplied with 85 to 260 Vac or 110 to 340 Vdc.

The RTU card contained within the CATMaster provides protocol translation to facilitate transfer of data from the remote CAT-1 systems and the EMS/SCADA system. A wide variety of protocols are currently available for the CATMaster.

The CATMaster provides convenient diagnostics ports for remote configuration of the CAT-1 systems, radio diagnostics, and local viewing of data point values and system health. Front panel LEDs are provided showing On/Off state, and transmit/receive activity with the EMS/SCADA system.

The Valley Group, Inc.

CAT-1™ Transmission Line Monitoring Systems

Component List:

CATMaster 19" / 483mm rack mount enclosure

900 MHz Spread Spectrum radio

10 dB Yagi antenna (omni-directional antennas available where required)

½" / 12.7mm Heliac antenna cable 100ft / 30.48m (additional cable sizes/lengths available)

Protocol converter

Universal power supply

Specifications:

SCADA communications

Bell 202 compatible and straight RS232 passthrough

Communications protocols

Multiple (for more information, contact The Valley Group, Inc.)

Diagnostics

Radio, Protocol converter¹, and remote diagnostics² via back panel

Software

Radio Diagnostics, PROCOMM Plus

Frequency stability (ppm)

1.5

Network addresses (radio)

65,000

Power output (watt, radio)

0.1 to 1.0

Supply Voltage (Vdc, Vac) (other supply options available on request)

110 to 340, 85 to 260

RTU Addressing

Programmable

Output Signal Strength (db, SCADA communications) -10dB option available

0

Shipping weight (lbs / kg incl. CATMaster, antenna, cable)

23 / 10.4

Dimensions:

See reverse

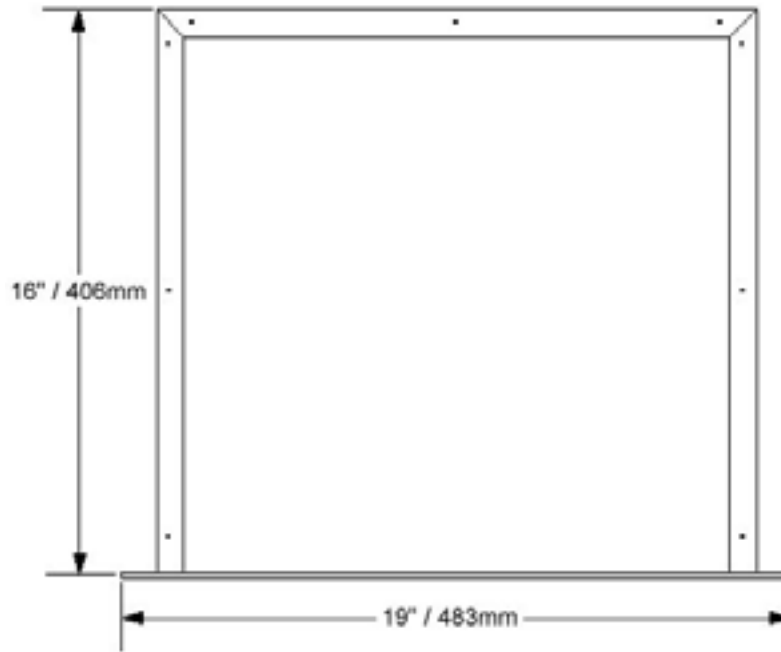
Notes:

1. VT100 emulation at 9600 baud, no parity, 8 data bits, one stop bit
2. VT100 emulation at 1200 baud, no parity, 8 data bits, one stop bit

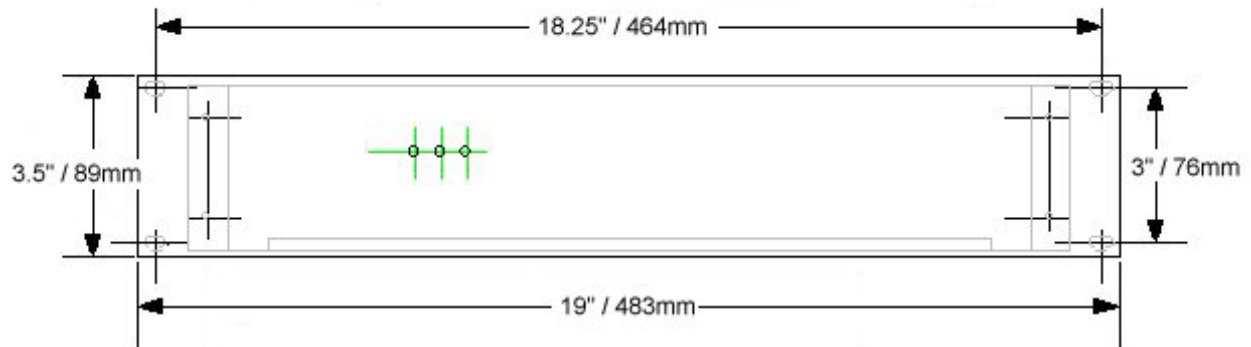
The Valley Group, Inc.

CAT-1™ Transmission Line Monitoring Systems

CATMaster Dimensions



TOP VIEW



FRONT VIEW