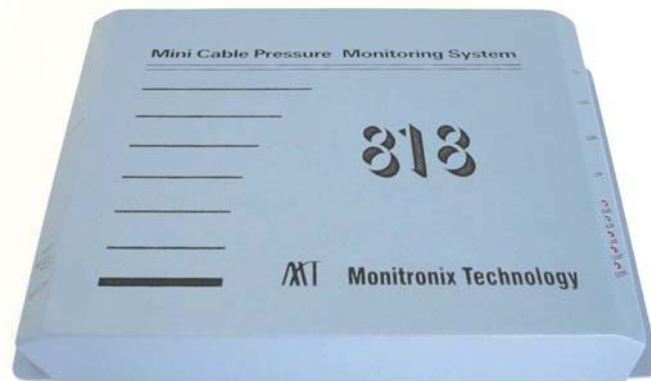


MT818 Module - Data Sheet

MINI CABLE PRESSURE MONITORING MODULE



Introduction

The MT818 unit is an advanced Cable Pressure Network Mini-Monitoring system, designed to monitor the dedicated and subscriber pressure transducers, solid state dedicated transducer, flow block, toll / trunk cable pair loop resistance and binaries associated with the Pressurized Cable Network. This unit can also measure the resistance and the capacitance between cable pairs and the resistance between cables and ground. A serial port provides access to the flow panels and other air flow and pressure monitors. Together with the Monitronix Cable Mate terminating device, the MT818 provides information generated with any cable cut.

The MT818 monitoring unit has built-in communication interfaces for Ethernet, PSTN and serial ports.

Features

- Supports Ethernet, PSTN and Serial communications.
- Supports ASCII and Email reports, and text alarms.
- Supports Web browser interface.
- Compatible with DED and SUB pressure transducers; TTCC cable loop resistance, binaries, solid state dedicated transducer, flow block.
- Measure resistance and capacitance between cable pairs, and between cables and ground.
- Supports over 1,500 measurement points.
- Average scanning time of 1 second per input.
- Monitors cable cut; reading open or short status for any telephone line and the grounded shield; estimating the distance from 818 to the cable cut if the Monitronix Cable Mate terminating device is used, can support up to 12 cables.
- Access to the flow panels, such as 820, 821/822, etc., to monitor air flow and pressure.
- Remote software download.
- Extensive self-diagnostic and indicators.

General Characteristics

Description

The MT818 unit is an advanced Cable Pressure Network Mini-Monitoring system, designed to monitor the dedicated and subscriber pressure transducers, solid state dedicated transducer, flow block, toll / trunk cable pair loop resistance and binaries associated with the Pressurized Cable Network. This unit can also measure the resistance and the capacitance between cable pairs and the resistance between cables and ground. A serial port provides access to the flow panels and other air flow and pressure monitors. Together with the Monitronix Cable Mate terminating device, the MT818 provides information generated with any cable cut. The MT818 monitoring unit has built-in communication interfaces for Ethernet, PSTN and serial ports.

The serial port can access the flow equipment such as the 820/822/821 flow panels. The system is reliable, accurate and easy to install and operate. The MT818 can be configured as a standalone system or as a polling device to network other 818, 815, 816 and 817 monitoring devices.

Technical Characteristics

Memory Sizing	
Program Memory	• 512K
Data RAM	• 1MB
Electrical Noise Immunity	
Technical Characteristics	• complies with BT GS7
Environmental Conditions	
Temperature	
• Continuous Operation	• 0° to +50° C
• Transportation and storage	• -40° to +70° C
Relative Humidity	• 0 to 95% non-condensing
Power	
Input Voltage (-50 VDC nominal)	• -36 to -72VDC
Power Consumption	• 10 Watts Maximum
Physical and Interface Properties	
Size	• 240 x 164.5 x 35mm
Ethernet Port	• RJ45, 10Base-T, TCP/IP
PSTN Ports	• RJ11, 56K modem
Serial Port 1	• RJ45, RS232/RS422/RS485, Baud rate 1200 ~ 19200bps to be set
Serial Port 2	• RJ45, RS422, Baud rate compatible with polled equipment
Power	• 4 pins socket
Monitoring pair connector	• 50pins AMP connector
Power switch	• Miniature toggle switch
Measurement Index	
Measurement Resolution	• 0.5% of full-scale range
Transducer Input	• 25 input ports, connecting dedicated transducers, subscriber transducer, solid state transducer, TTCC or binaries, flow block
Measurement range for capacitance	• 5000 nF
Measurement range for resistance	• 50 K Ω
Measurement range for cable cut	• 500000 Meters
Max. cable numbers for cable cut	• 12 cables

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