ADVANCED CABLE PRESSURE MONITORING SYSTEM

MT800VD Dedicated Module - Data Sheet

Introduction

The 800VACPMS is an Advanced Cable Pressure Monitoring System which is used in a central office to automatically monitor, measure and report the status of addressable pressure and flow transducers, dedicated pressure and flow transducers, subscriber pressure and flow transducer, mini solid state dedicated pressure and flow transducer, and binary contacts associated with pressurized cable network. As an expand module, the MT800VD is designed to plug into the expand slot in the 800VACPMS system rack to measure dedicated air pressure and flow transducers in a pressurized cable system.

Features

- 16 Bit processor, 20 MHz
- Supports 25 channels, up to 200 measurement points.
- Compatible with dedicated pressure and flow transducer.
- Compatible with solid state dedicated pressure transducers.
- Bus communication with Master module
- Average scanning time of 1 second per point.
- Hot-plug module.
- Remote software download.
- DIP switch for address setting.
- LED indicators.
- High reliability.

Contact:

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General Characteristics

Description

The 800VD is a dedicated transducer module, designed to read dedicated pressure or flow transducer, or solid-state pressure transducer that measure air pressure and flow in the pressurized cable network. As an expand module, the MT800VD must be plugged into an expand slot to work in the 800VACPMS system rack. During running, the dedicated module MT800VD scans all the connected transducers and gets the pressure or flow reading. At the same time, the 800VD is communicating with the master module and sends all measurement data to the master module which can analyze and process this data to send it to the remote terminals on-demand. Besides, when needed, the master module can actively poll the dedicated module 800VD to get what it needs. Advanced and smart design makes it reliable, accurate and above all, easy to install and operate.

Technical Characteristics

Memory Sizing	
• Program Memory • Data Memory	• 512KB • 512kB
Electrical Noise Immunity	
Technical Characteristics	• complies with NEBS Level 1
Environmental Conditions	
Temperature • Continuous Operation • Transportation and storage Relative Humidity	• 0° to +50° C • -40° to +70° C • 0 to 95% non-condensing
Power	
Input Voltage (-50 VDC nominal) Power Consumption	• -36 to –72VDC powered by system rack • 10 Watts Maximum
Physical Properties	
Size	• 226 x 153mm
Bus Connection	• Golden finger for PCI-120Pin
Measurement Modules	
Resolution	• 0.5 % of full-scale range
Dedicated Module Port	• 25 inputs

Email: technicalsupport@vpsolutionsgroup.com   Web: www.vpsolutionsllc.com

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