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# DIGITAL MONITOR MODULE

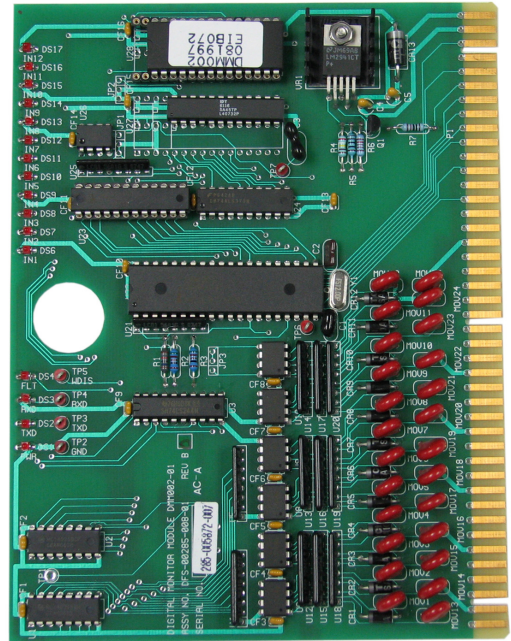
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DESIGNED FOR USE WITH THE 200 SERIES RTU FAMILY, DFS RTU MODULES ARE ASSEMBLED FROM THE HIGHEST QUALITY COMPONENTS AND DESIGNED TO MAXIMIZE USABILITY WHILE MINIMIZING INSTALLATION, MAINTENANCE, AND DOWNTIME.

The Digital Monitor Module (DMM) is a microprocessor-controlled, digital input module designed to monitor from one to 12 digital inputs. Each input is optically isolated with transient suppression for protection from voltage spikes.

The DMM can directly monitor AC or DC voltages from 10 to 30 V. By inserting a 22/47/100 K ohm resistor in series, an input can monitor from 31 to 300 VAC/DC. Each change at the monitored point is time-tagged to within 2 seconds of occurrence to maintain accurate event logging. This is critical when calculating pump run times and derived flows.

Additionally, the DMM is capable of monitoring pulse inputs such as those produced by a tipping bucket rain gauge.



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## FEATURES AT A GLANCE

- 12 digital or pulse input points (user-selectable)
- Opto-isolated input points
- 1200 or 9600 baud communication
- Time-tagged messages
- On-board communications and functional firmware
- On-board voltage regulation
- LEDs for Power, receive data, transmit data, input status, and CPU fault
- Surge protected (nondestructive)
- Removable without disturbing field wiring
- No on-board adjustments, switches or straps (self-configuring)
- Keyed to prevent damage

## SPECIFICATIONS

Model	DMM002-1
Board Size	5.25" x 6.88"
Input Voltages	10-30 VAC/VDC; 31-300 VAC/VDC with inline resistors
Input Protection	M.O.V., Transorb, and Opto-isolated
Input Impedance	6K Ohm
Power Requirements	8-14 VDC, 100 mA
Minimum Pulse Width	20 ms
Maximum Burst Frequency	25 PPS
Maximum Continuous Frequency	8 PPS
LEDs	Power, receive data, transmit data, input status, CPU fault

## TYPICAL APPLICATIONS

- Pump Running
- Pump Fault Alarm
- HOA Position
- Commercial Power
- Phase Monitor
- Generator Status / Alarms
- Liquid Level Switch
- Pressure Switch
- Solenoid Valve Position
- Intrusion / Motion Alarm
- Relay Contacts
- Chemical Alarms
- Tipping Bucket Rain Gauge

## WARRANTY

This product carries a one (1) year return-to-factory warranty against defects in material and workmanship. When installed with factory recommended surge protection, the return-to-factory warranty is extended to three (3) years. The extended warranty also covers damage due to lightning and surge for the entire three-year period when installed per factory-approved requirements. DFS will repair or replace at its option, F.O.B. Melbourne, Florida, any part or parts of this product during the warranty period. A Return Authorization (RA) must be obtained by contacting the DFS Factory Repair Center at 321-259-5009 or by email at [rma@dataflowsys.com](mailto:rma@dataflowsys.com).