

# TELSEC<sup>®</sup> MP2-16

IPv6 Enabled  
SNMP v3 Ready  
SSH Enabled

## Alarm Monitoring

The TELSEC MP2-16 is designed to address the monitoring and alarming requirements of critical infrastructure equipment used in Utility, Telecommunications, and Cable/Broadband remote facilities. The compact intuitive system will monitor environmental conditions such as temperature, humidity, intrusion, DC power plants, generators, fuel level, energy usage, and other critical systems found in remote cabinets and shelters. The MP2 has 16 universal inputs which support monitoring temperature, contact closures or any 0-5 VDC or 4-20 mA sensors. Two RS485 serial ports are available to monitor Modbus RTU enabled devices for trending and alarming. Up to 512 unique Modbus registers can be polled per port. There are four digital outputs for alarm notification or control such as generator exercise, as well as an Ethernet port for remote communications.

The system features a built-in web server for programming and status monitoring of the site, including a historical graphing engine. The alarm logic is programmable with multiple severity levels and all programming is stored in non-volatile memory. All alarm notifications are sent using TL1, SNMP traps/informs and/or email notification.

The MP2 is a hardware-integrated solution into Quest's OspreyFMS enterprise software, providing users a comprehensive view and management of their critical facilities.



### Features:

- 16 Universal Inputs & 4 Form C digital outputs
- Ethernet communications with support for IPv6, IPv4, HTTP, HTTPS, DNP3, RADIUS Password Authentication, SNMP v1, v2c and v3, SSH, Telnet, TL1 and SMTP (Email)
- DNP3 – Supports polling of inputs and outputs via Ethernet or serial
- Compact Package allows for Wall or Rack Mounting
- Enable Interrogation of Remote Site from any Alarm or Maintenance Center
- Modbus RTU Communications – Supports communicating to Modbus RTU enabled equipment such as KW meters, generators, fuel level sensors and HVAC systems

### Benefits:

- Simple to install & program
- Can be configured through a web browser or upload a config file
- Real-time view of your facility and critical equipment
- Reduces visits to Remote Sites
- Low-cost solution for remote monitoring of your critical facilities
- Eliminates downtime by acting as an Early Warning System

### Applications:

- Utilities / Telecommunication / Cable & Broadband – Remote Cabinets & Shelters
- Data / Switching / Computer Centers / COs / Headends & Hubs

## Specifications

Part number: 151052-16

Inputs: 16 universal inputs supporting 0-5 VDC, 4-20 mA, thermistor & contact closure

Outputs: 4 Form C digital outputs. Contact rating: 0.5 amp @ 60 VDC

Network interface: Ethernet 10/100 Base-T

Protocols supported: IPv6, IPv4, HTTP, HTTPS, DNP3, RADIUS Password Authentication, NTP, SMTP (email), SSHv2, Telnet, TL1, SNMP v1, v2c and v3 for Gets, Sets and traps/informs

Serial interface: two RS485 serial ports

Serial Protocols Supported: Modbus RTU read and write with up to 1024 registers for 16 & 32-bit integers, floating point and signed integers  
DNP3: supports polling of the MP2's inputs and outputs

Logging: logs data for inputs, outputs, alarms, control states and Modbus registers

Alarm notification methods: TL1 over SSH/Telnet, Email/SMTP and SNMP traps or informs

Destinations: four programmable trap destinations, ten email addresses or distribution lists

I/O terminal: removable screw terminals supports up to 12 AWG wire

Power: dual feed 24-48 VDC, 3.7 W max.

Battery: long life lithium

Temperature sensor accuracy:  $\pm 1^{\circ}\text{F}$

Ambient operating temperature:  $-4^{\circ}$  to  $140^{\circ}\text{F}$  ( $-20^{\circ}$  to  $60^{\circ}\text{C}$ ), 0-95% RH non-condensing

Certification: UL, cUL, FCC 47 CFR Part 15B, ISED ICES-003 Class A

Dimensions: 13.15 W x 4.15 L x 1.63 H in. (334 x 105 x 41 mm)

Weight: 1 lb. (454 g)

Warranty: 1 year

Also available in a 32 universal input configuration. Order Part Number: 151052-32



Specifications subject to change without notice

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