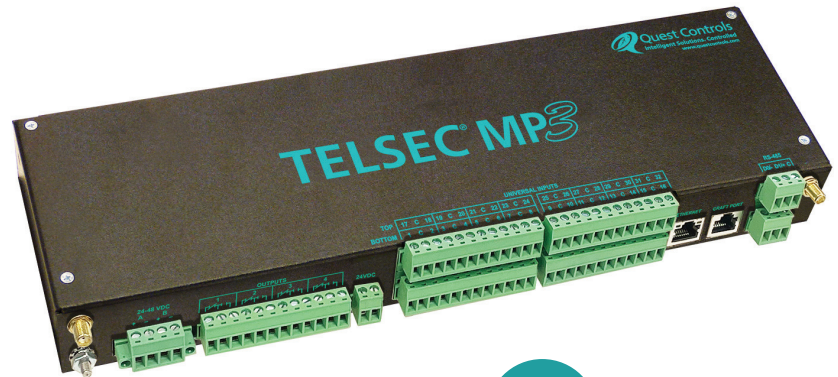# TELSEC® MP3

Alarm Monitoring

The TELSEC MP3 is designed to address the monitoring and alarming requirements of critical infrastructure equipment used in Utility, Telecommunications, and Cable/Broadband manned and unmanned 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 MP3 has 32 universal inputs which support monitoring temperature, contact closures or any 0-5 VDC or 4-20 mA sensors. Two serial ports configurable for RS232 or RS485 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, etc. The system has an Ethernet port for network communications and an optional LTE cellular modem for sites that do not have network connectivity.

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 programming is stored in nonvolatile memory. All alarm notifications are sent using TL1, SNMP traps/informs and/or email notification. The MP3 is a hardware-integrated solution into Quest's OspreyFMS enterprise software, providing users a comprehensive view and management of their critical facilities.

Features:

- **32 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**
- **Optional LTE cellular modem for connectivity when no local Ethernet network is present**
- **Provides wireless access to a device connected to the southbound Ethernet port**
- **Modbus RTU Communications – Supports communicating to Modbus RTU enabled equipment such as KW meters, generators, fuel level sensors and HVAC systems**

Benefits:

- **The cellular modem provides remote access to sites that do not have network connectivity**
- **Simple to install & program**
- **Can be configured through a web browser or by uploading 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: 151108

Inputs: 32 universal inputs supporting 0-5 VDC, 4-20 mA, thermistor & contact closures. Provides 24VDC sensor power max 100 mA

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

Network Interface: Ethernet 10/100 Base-T

Optional 4G LTE Cat 4 Modem: (PN 301046) featuring multi-carrier support

Network Protocol 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 serial ports configurable for RS485 or RS232. One RS232 Console Port

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 MP3'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. Generates 24VDC for powering sensors

Battery: long life lithium

Temperature Sensor Accuracy: ±1°F

Ambient Operating Temperature: -40° to 167°F (-40° to 75°C), 0-95% RH non-condensing

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

Dimensions: 14.03 W x 4.4"D x 1.73" H (365 x 112 x 44 mm)

Mounting: Wall mount or rack mount (19" or 23") with optional mounting brackets

Weight: 1 lb. (454 g)

Warranty: 1 year

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Specifications subject to change without notice

Tel: (941) 729-4799, Fax: (941) 729-5480
208 9th Street Drive West
Palmetto, Florida 34221

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