FleetZOOM®

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FZ400

Cellular Data Acquisition System

Overview:

The FZ400 is a cellular transceiver that performs continuous data acquisition and monitoring on industrial equipment, sending live data to the monitoring web site, providing real-time status of all signals. It features 14 digital inputs, 10 analog inputs and 4 digital outputs. Run times, cycles, and analog values are all acquired simultaneously and continuously 24x7x365. Alarms are generated during status changes when signals are detected out of range. The unit uploads samples as fast as every minute, permanently storing them on the monitoring website in real time, while updating details, graphs, and reports on the monitoring web site reflecting live, real time status to help equipment owners closely monitor and evaluate the performance of their systems.

The easy to use web site updates continuously, displaying location and operating status for all of your monitored equipment. Alarms are immediately displayed on the web site and trigger messages sent to interested personnel in your organization via SMS text messages and emails. All events are permanently logged in the web site allowing powerful historical analysis using its built-in reporting features to give equipment owners detailed insight into the operation and readiness of their equipment fleets.

Proactive service reminders are automatically generated and sent as equipment reaches service intervals based on run-time. Reports are available on the secure monitoring web site to reduce paperwork and automate record keeping while providing up to the minute service records for all of your monitored equipment.

Features:

Easy to install real time cellular data acquisition system. Unit includes a quad magnet bracket for quick mounting and is easy to wire into existing or new control systems. No special software or configuration tools are required.

Advanced power management employing low power operation enable the unit to work from solar powered systems with minimal power draw.

No software to buy, install or maintain; all features and configuration settings are accessible over the secure web site from any computer with Internet access.

Technical Specifications:

Size	7.7" x 4.3" x 2.3" in.
Radio	LTE
Digital Inputs	14
Analog Inputs	10, 0-5 Volt or 0 to 20 mA
Digital Outputs	4
Connectors	4 x 16 5mm Terminal Blocks
GSM Connector	SMA

Power	9 - 32 Volts
Battery Backup	Internal
Current Consumption	
Idle	65 mA
Transmit, Average	250 mA
Peak	2.1 A
Temperature	
Operating	-30°C to +70°C
Storage	-40°C to +85°C
Max. Humidity	95% Non-Condensing

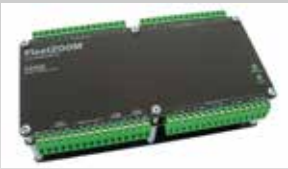
Radio Agency Approvals:

FCC
PTCRB
CE Red
RoHS

Carrier Certification:

AT&T
Verizon

Each Complete Data Acquisition System Includes:



Digital Cellular DAQ Unit:
- 14 Digital Inputs
- 10 Analog Inputs
- 4 Digital Outputs
- Connected 24x7x365
- Monitors Power Voltage
- Battery Backup Included

High Efficiency MLPV LTE (698-2700 MHz) Mag Mount Antenna:
- 3'
- 5'
- 10'
- 15'

Through hole antenna also available with all cable lengths above.

Mapping & Reporting:
- Web Accessible
- Graphical Map Overview
- Simple User Interface
- Run Service Reports
- Monitor Equipment Use

Alarming & Notifications:
- SMS Text Message
- Email
- Automated Voice Call