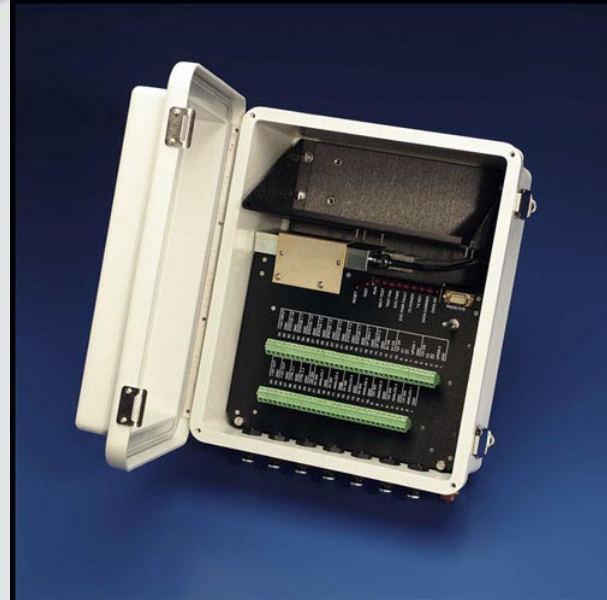


SM RTU 0850

Features

- Forward Error Correction
- Field or Base Station Programming
- Event, Timed, or Polled Operation
- Operates as a Repeater
- Distributed Alarm, Control, Data Operation
- Very High Reliability Operation



Description

The RTU 0850 (fna Sierra Misco and Vitel's 0850) is a microprocessor-driven data acquisition and control terminal. All communications use peer-to-peer packet protocols that include Reed Solomon forward error detection and correction codes as well as information about the data packet routing.

The RTU 0850 operates in data acquisition, digital-store and forward-repeating, and terminal modes simultaneously. The terminal connection board incorporates three levels of electrical transient protection. Surges of 5000 amps of 10 pulses per 30-second period are tolerated. The levels are gas tube, varistor, and resistor/capacitor network.

Communication may be radio, telephone, or wire-line. Line-of-sight radio networks are particularly well suited for the RTU 0850 systems. Up to 8 nodes may be defined in the reporting path. Sensor interfaces are voltage, counter, up/down counter, digital-in and digital-out.

Applications

- Remote environmental data acquisition and control.
- The RTU 0850 coupled with software provides error free operation and can be used in critical data and control operations.
- Some of these applications are :
 - Water control information and control
 - Water quality
 - Flood warning
 - Reservoir management

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