Foreseer® Data Acquisition Terminal

Features

- Standard Modbus communications
- Multiple input and output options, including eight analog inputs,
- 16 dry-contact digital inputs, 16 SPDT relay outputs
- LCD display with six key user interfaces
- Convenient Ethernet connectivity
- Flexible power supply choices

Expanded monitoring and management capabilities for remotely located analog and dry contact inputs. Includes relay output capabilities.

Foreseer Data Acquisition Terminal easily integrates monitored equipment and sensors located in small, networked remote sites. It employs standard Modbus communications to relay information to either a Foreseer Software server or a Foreseer Data Acquisition Engine over a TCP/IP network. Data is packaged in sequential Modbus registers to enable optimum scan times without impacting network bandwidth.

Standard I/O features include 16 dry contact inputs, eight analog inputs, 16 relay outputs, a serial configuration port, and onboard NE2000 compatible Ethernet that connects directly to 10BASE-T networks via RJ45. In addition, the backlit LCD allows the end user to view I/O status, raw analog values, and configuration information.

Packaged in a slim 1U rackmount enclosure, the Foreseer Data Acquisition Terminal conveniently attaches with two-part detachable screws.

Technical Specifications

External power input	100/240 VAC, 47/63 Hz, 1 amp (.5 amp at 240) optional –48VDC
Ethernet	10Base-T, status and activity LEDs
Communications	Modbus RTU via UDP utilizing TCP/IP Port 7010 or Modbus TCP
Dimensions	1.75" H x 19"W x 4.63"D
Weight	Three pounds
Environment	-4º to 185ºF (-20º to +85ºC), 0% to 90% non-condensing RH
Discrete inputs	16 channels configure as dry contact
Relay outputs	16 channels, SPDT configuration, contacts rated at 500mA, 125VAC
Analog inputs	Eight channels of 12-bit A/D

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