Natural Gas Transmission & Distribution Solutions From Telescada

NeXGen™ GCU 43833

Telescada's NeXGen™ GCU Remote Terminal Unit is an ultra low power instrument designed for the real-time monitoring, alarming, data logging and control of natural gas transmisson and distribution systems.

The NeXGen™ GCU communicates via any number of wireless or hard wired communication mediums to relay up to 4 (four) real-time pressure, flow or temperature conditions and consumption rates to a central SCADA system.

The NeXGen™ GCU automatically reports any out of range conditions, and transmits all monitored values for review and analysis. Its ultra low power design allows NeXGen™ GCU to consume only 15mA under fully functional analog sampling operation.

Each analog input is user configured to be critical or non-critical. When a critical threshold is exceeded, the NeXGen™ GCU will send an alarm report to the master controller via DNP or Modbus protocol. Quick View Analog LEDs on the NeXGen™ GCU module allow quick confimation of analog operating status. The NeXGen™ GCU is locally interrogated and programmed using Telescada's NGC Maintentnance Utility Software. The NeXGen™ GCU module's small footprint allows for quick installation on control panels or in rated enclosures.

■ **Analog Inputs**
- 4 (four) 0 - 5VDC / 4-20mA Analog Inputs
- Dedicated Battery Voltage Channel
- Configurable Interval Data and Event Recording
- MIN/MAX/AVE/INSTANT Analog Values
- 4MB Flash Memory Recording Capacity

■ **Analog Outputs**
- 3 (three) Pulse Width Modulated Analog Outputs
- 1kOhm Output Impedance @ 3VDC

■ **Digital Status Inputs**
- 8 (eight) Dry Contact Digital Inputs
- Differential or KYZ Pulse Counting/Recording
- Alarming On Change of State

■ **Control Outputs**
- 3 (three) Control Outputs
- Configured as Timed, Momentary or Latching

■ **Communications**
- 1 (one) RS-232 Communication Port
- 1 (one) RS-232 IED Port with Hardware Handshaking
- 1 (one) RS-485 IED Port
- Programmable Communications "ON" Time
- Store and Forward Repeating
- Quick View Analog State LEDs
- DNP3, Modbus (RTU/ASCII-16/32bit) Protocols

■ **Power Supply & Physical Form Factor**
- 6-16VDC Input
- 15mA Fully Functioning Power Draw
- 6.75" x 5.75 x 1.50" Panel Mount ABS Enclosure

■ **Environmental**
- Operating Temperature range: -40° to +70°C
- Humidity: 93% non-condensing at 55°C
- Class 1, Division 2, Groups C & D

Monitor, Alarm, Record, Communicate and Control

MADE IN U.S.A.

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