

# Natural Gas Transmission & Distribution Solutions From Telescada



## PRODUCT BRIEF



Telescada's ATS-12 Remote Terminal Unit is a field proven instrument designed for the real-time monitoring, alarming, data logging and control of natural gas transmission and distribution pressure, flow, and/or temperature. Its compact, high strength ABS enclosure makes for easy installation on control panels or outdoor enclosures

The ATS-12 communicates via any number of wireless or hard wired communication mediums to relay up to 4 (four) real-time pressure, flow or temperature conditions to a central SCADA system. The ATS-12 automatically reports any out of range conditions, and transmits all monitored values for review and analysis.

Each analog alarm threshold has hysteresis (very high, high, low, very low). Each analog input is user configured to be critical or non-critical. When a critical threshold is exceeded, the ATS-12 will send an alarm report to the master controller. Analog sampling and recording rates are user selectable. The ATS-12 is locally interrogated and programmed using Telescada's T-Link virtual instrument panel. The ATS-12 communicates with remote SCADA systems via contemporary machine protocols. The ATS-12 Translation module makes for quick custom MODBUS register programming.

### ■ Analog Inputs

- 4 (four) 0 - 5VDC Analog Inputs
- 12 Bit A/D Converter, 0.25% Resolution
- Dedicated Battery Voltage Monitor
- Configurable Interval Data Recording
- MIN/MAX/AVE Analog Values
- 26,000 Record Capacity

### ■ Digital Status Inputs

- 4 (four) Optically Isolated Digital Inputs
- Form "A" Dry Contact
- Alarming On Change of State

### ■ Control Outputs

- 4 (four) Control Outputs
- Form "A" Dry Contact
- Optional 500mA at 12VDC
- Configured as Timed or Momentary

### ■ Communications

- 2 (two) RS-232 Remote Communication Ports
- 1 (one) RS-232 Local Communication Port
- 1 (one) RS-232 Translation Port
- Board Level Modem Option
- Multiple Protocol Translation Module
- Programmable Communications "ON" Time

### ■ Power Supply & Physical Form Factor

- 6-12VDC Input
- 8.00" x 6.00 x 1.60" Panel Mount ABS Enclosure

### ■ Environmental

- Operating Temperature range: -40° to +80°C
- Storage Temperature: -40° to +90°C
- Humidity: 93% non-condensing at 55°C
- Class 1, Division 2, Groups C & D

**Monitor, Alarm, Record, Communicate and Control**

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