ET-8INS EtherTRAK® Ethernet I/O Module
Sixnet Automation Series

►►► Ethernet I/O Module – Instrumentation Input

PRODUCT HIGHLIGHTS

- Advanced 16 bit A/D for extreme accuracy
- Differential inputs minimize noise and ground loops
- Software selectable ranges - mix inputs on module
- Linearizes and compensates thermocouple readings
- Upscale/downscale thermocouple burnout detection

PERFORMANCE SPECIFICATIONS

- 8 channels
- Lowest voltage range +/- 0.062 Volts
- Maximum voltage range +/- 10 Volts
- Auto-polarity current range 4-20 mA, 0-20 mA
- Thermocouple types J,K,E,R,T,B,C,N,S[1]
- A/D resolution 16 bits (0.003%)
- Full scale accuracy (@20°C) +/- 0.02%
- Input span and offset adjustability +/- 25%
- Span and offset temp. coefficient +/- 30 ppm per °C typical
- Voltage range input impedance 200K Ohms
- Current range input impedance 100 Ohms
- CMRR (@ 50/60 Hz) 140 dB
- DMRR (@ 50/60 Hz) 66 dB
- Common mode input voltage:
    Between two input terminals +/- 25VDC
    Between inputs and ground 1200 Volts
- No damage input voltage +/- 50 VDC
- Fastest scan rate (all 8 channels) 100 mS[2]
- Required supply voltage 10-30 VDC (1.6 watt typical)
- Operating temperature range -30 to 70° C
- Storage temperature range -40 to 85° C
- Humidity (non-condensing) 5 to 95%

Notes:
[1] Thermocouple inputs are cold-junction compensated and reported as F,C, 0.1F or 0.1C.
[2] This scan rate applies to modules built after 30-July-04. Earlier models may differ. Contact us for details.
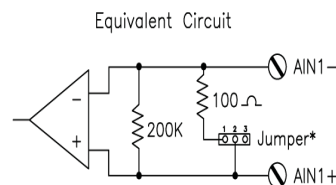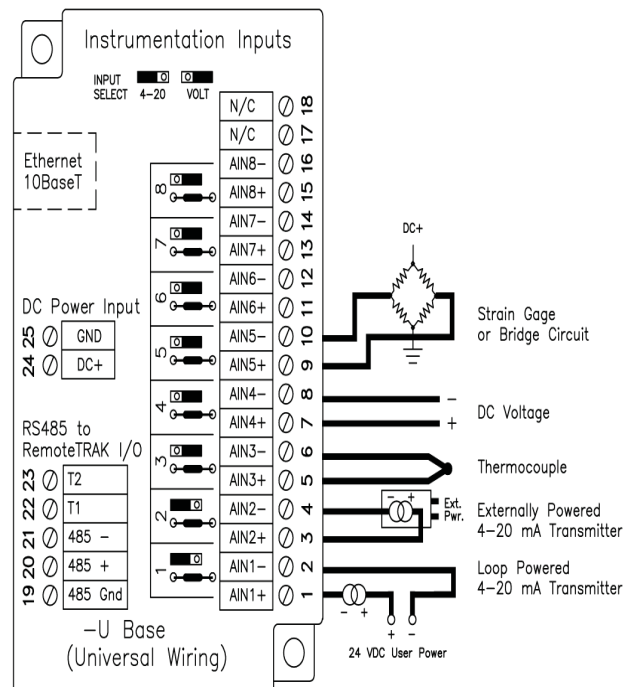
RS485 PORT FOR I/O EXPANSION

- 32 Max. RS485 stations (up to 512 I/O)
- Baud rate: 38,400 bps
- Recommended distance of up to 0.5 mile
- Protocol: Sixnet "I/O for Windows", Modbus ASCII & RTU
- Isolation (from Ethernet port) 1200 Volts RMS 1 minute

ORDERING INFORMATION

ET-8INS-U	Instrumentation module with base
ET-8INS-M	Replacement module only

All specifications are subject to change. Consult factory for latest info.

As the global experts in communication, monitoring and control for industrial automation and networking, Red Lion has been delivering innovative solutions for over forty years. Our award-winning technology enables companies worldwide to gain real-time data visibility that drives productivity. Product brands include Red Lion, N-Tron and Sixnet. With headquarters in York, Pennsylvania, the company has offices across the Americas, Asia-Pacific and Europe. For more information, please visit www.redlion.net. Red Lion is a Spectris company.