ET-16DI2 EtherTRAK® Ethernet I/O Module

Sixnet Automation Series

red lion®

►►► Ethernet I/O Module – Discrete Inputs

PRODUCT HIGHLIGHTS

- Supports DC sinking/sourcing or AC wiring
- User-configurable smart filtering
- Pulse counters with contact bounce filtering
- One high-speed counter channel to 2 KHz

PERFORMANCE SPECIFICATIONS

- 16 input channels
- Nominal input voltage 12/24 VDC/VAC
- Guaranteed ON voltage[1] 9 VDC/VAC
- Maximum input voltage 30 VDC/VAC
- Guaranteed OFF voltage[2] 5.0 VDC
- Guaranteed OFF current[2] 1.4 mA
- Input resistance 3.6K Ohms
- Nominal input current @ 24VDC 6.7 mA
- Filtered Mode ON/OFF delay (note 3) 25mS
- Filtered Mode count feature 10 Hz maximum
- Fast Mode count feature 100 Hz (2 KHz on channel 1)
- Fastest scan rate (16 channels) 2 mS[4]
- Required supply voltage 10-30 VDC (0.75 watt typical)
- Operating temperature range -30 to 70° C
- Storage temperature range -40 to 85° C
- Humidity (non-condensing) 5 to 95%

RS485 PORT FOR I/O EXPANSION

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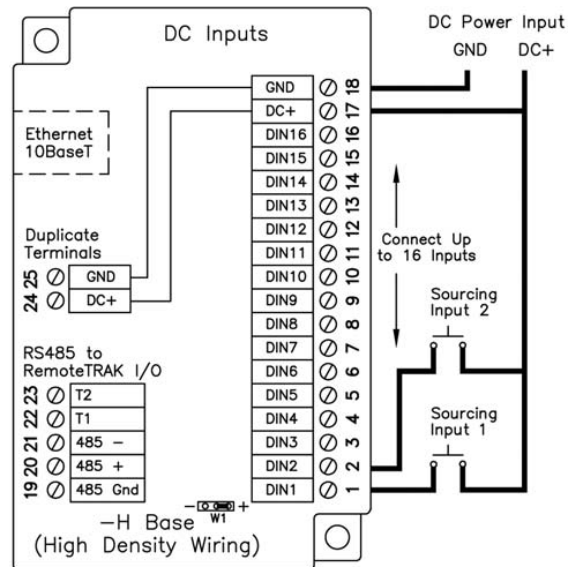- Isolation (from Ethernet port) 1200 Volts RMS 1 minute

Notes:
1. Minimum voltage guaranteed to turn the module ON.
2. The maximum input current/voltage that will not switch the input from OFF to ON.
3. Smart logic ignores transients, power line dropouts and switch contact bounce.
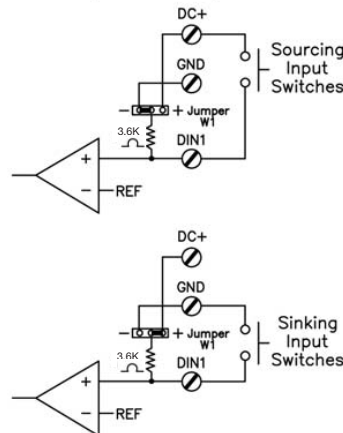4. I/O register update time does not include external communications.

ORDERING INFORMATION

ET-16DI2-H	**16 inputs with wiring base**
ET-16DI2-M	**Replacement module only**

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

www.redlion.net

Connect. Monitor. Control.

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.