Sixnet Automation Series

red lpn[®]

High-Speed Counters

PRODUCT HIGHLIGHTS

- Count rates to 50 KHz with 32-bit results
- Measure pulses from milliseconds to a minute
- Direct position detection from quadrature encoders
- Individually isolated inputs for best noise immunity
- Count inputs also report as discrete inputs
- Support for hardware gating and software resets

PERFORMANCE SPECIFICATIONS

- 8 counters
- Count mode performance: guaranteed count rate 50 KHz
- 32 bits Count resolution
- Rate (frequency) mode performance: Maximum input rate 50,000 per sec Shortest measurement period 10 mS Longest measurement period 1 min
- Position mode performance: Maximum position axis (2channels/axis) 4 Maximum pulses per second 25,000 Maximum quadrature states per second 100,000 Position resolution 32 bits
- Input performance: Guaranteed count input voltage 4 Volts Maximum count input voltage 30 Volts Guaranteed off input voltage 1.5 Volts Nominal count input current 8 mA
- Required supply voltage 10-30 VDC (1.4 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 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
- Note: A pair of counter channels can be combined to make a 32-bit up/down counter or accumulator.

ORDERING INFORMATION

ET-8CNT-U	8 High-Speed Counters w/base
ET-8CNT-M	Replacement module only

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



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Connect. Monitor. Control.

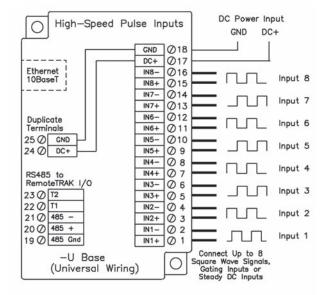
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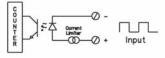
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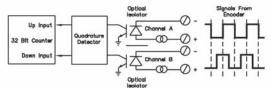




Typical Count/Rate Input Circuit



Typical Position Input Circuit



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.