



E3 I/O Module with 16 Digital Output Relays

Item number: E3-16DORLY-1

The E3 I/O module streamlines networks with high-performing and flexible Ethernet connectivity. Sixteen isolated low-voltage relays. Fast redundancy, password security, diagnostics and rugged design ensure reliable performance and reduced downtime in remote and extreme settings.



Powerful networking with reliable remote monitoring and control capabilities

Features and benefits

- ✓ **Ethernet connectivity that's reliable, simple and secure**
A robust and rugged Ethernet solution for collecting and communicating local sensor or field data. Built-in dual 10/100BaseT(X) RJ-45 Ethernet ports for daisy chaining, redundancy or pass-through.
- ✓ **Isolated discrete output relays**
Individually isolated outputs rated for 0.5 Amp per channel. High output performance with minimum off-state leakage (under 10 uA). Short circuit protection and self-reset fuse capability. Channel scan rate of 1ms.
- ✓ **Engineered to last in industrial settings**
Hardened metal enclosure is designed to withstand extreme industrial conditions. Snaps into standard DIN-rail and includes panel mount option for easy installation locally and in the field.
- ✓ **Powerful networking capability**
Modbus protocol support for industrial monitoring and communications. Also supports TCP/IP, ARP, UDP, ICMP, DHCP, HTTP, Sixnet TCP and UDP.
- ✓ **Leading compliance certifications**
Suitable for hazardous environments with UL Class I, Division 2 listing and CE and CSA certifications.
- ✓ **Flexible connectivity**
Connect serial devices to Ethernet network with an RS-485 serial port. Connect the module to your PC using the USB port.
- ✓ **Simplicity with built-in Crimson® configuration software**
Program with drag-and-drop ease and efficiency through a web browser and Crimson's user-friendly graphical user interface.
- ✓ **Real-time Ring option for fast redundancy**
The Ring option allows the dual Ethernet ports to act as Real-Time Ring switch ports. Real-Time Ring operates at 30 ms + 5ms per hop.
- ✓ **Engineered for harsh environments**
All-metal housing delivers uncompromising performance in demanding environments. Operating temperature of -40 °C to 75 °C. MTBF >1 million hours.
- ✓ **Voltage range**
10-30 VDC

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General

| | |
|--------------------------|-----------------------------------|
| Net Weight (g) | 906 |
| Packed Weight (g) | 906 |
| Relative Humidity | 10% to 95% (Non Condensing) |
| Power Consumption (W) | 0 |
| Input Voltage (V) | 10-30 VDC (12-24 Nominal) |
| Mounting | DIN rail mount (bracket included) |
| Panel Cut-Out Dimensions | 71.4 mm x 53.1 mm |
| Housing Materials | Metal Housing |
| Packaging Material | Cardboard |
| Warranty (years) | 2 |

Identification and Status

| | |
|-------------------|--------------------------------|
| Product ID | E3-16DORLY-1 |
| Country of Origin | United States of America (the) |
| HS Code | 8517620000 |
| Dual Usage | No |

Physical Features

| | |
|-----------------------------|------|
| Top Wiring Clearance (mm) | 25.4 |
| Front Wiring Clearance (mm) | 50.8 |
| SD Card Slot | No |
| Flash Drive | No |
| Contains Battery | No |

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Certifications and Standards

| | |
|---------------------|---|
| RoHS Compliant | No |
| CE | Yes |
| FCC | Yes |
| UKCA | No |
| UL | Yes |
| ATEX | Yes |
| DNV | Yes |
| KC | No |
| Vibration and Shock | Shock: IEC60068-2-6; Vibration: IEC60068-2-27 |