

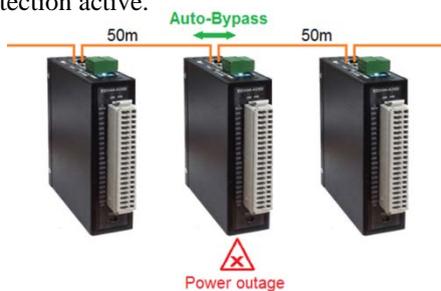
EDAM-4250 Startup Manual(v1.0)

Overview

The EDAM-4250 is a high-density I/O module built-in two ports(RJ-45) 10/100 based-T interface for seamless Ethernet connectivity. It provides 10 isolated digital input (Dry/Wet Contact) and 6 digital output channels with 3750VRMS Isolating protection.

Daisy Chain Limitations

In general, an ethernet cable distance of each 100BASE-TX network segment is can be run 100 meters (about 328 feet). However, cables can pick up electrical noise on long runs. Based on this limitation, the maximum total connection length in daisy chain wiring should also be 100m as if auto-bypass protection active.



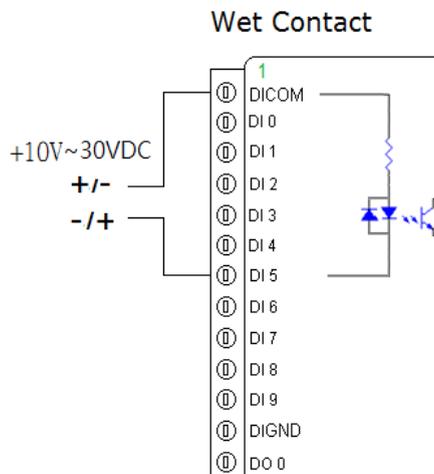
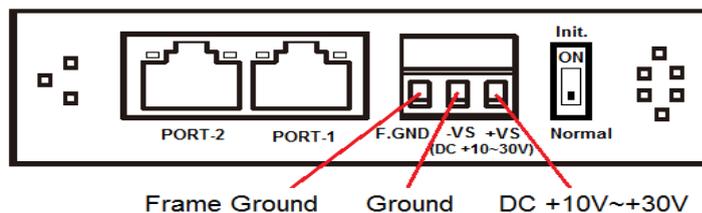
Input Power Requirements

Although the EDAM-4200/TCP systems are designed for a standard industrial unregulated 24 V DC power supply, they accept any power unit that supplies within the range of +10 to +30 VDC. Screw terminals +Vs and -Vs(GND) are for power supply wiring.

Specifications

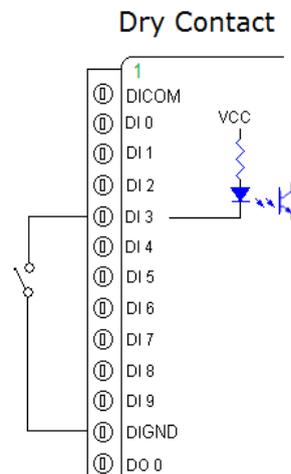
- ◆ Interface: 2-port Ethernet 10/100 Based-T comm.
- ◆ COMM.: Support TCP/IP, UDP, ICMP, ARP
- ◆ Daisy chain connection with auto-bypass protection
- ◆ Isolation Digital Input: Single ended
 - Channel: 10 channels (DI0~DI9)
 - Dry Contact :
 - ✓ Logic level 0 (active) : Close to GND
 - ✓ Logic level 1 (inactive) : Open
 - Wet Contact :
 - ✓ Logic level 0 (active) : +5V to +30VDC max
 - ✓ Logic level 1 (inactive) : +2VDC max
 - Input Impedance: 2K ohm(Wet Contact)
 - Optical Isolation Voltage: 3750Vrms
- ◆ Isolation Digital Output :
 - Digital Output: isolated Open collector (NPN) .
 - Channel: 6 channels (DO0~DO5)
 - Open Collector to +5 ~ 30V / 500 mA max load.
 - Optical Isolation Voltage: 3750Vrms
- ◆ Power Requirement:
 - Power Consumption: 3.5 W (Typical)
 - Power Input: +10 ~ +30 VDC

Application Wiring

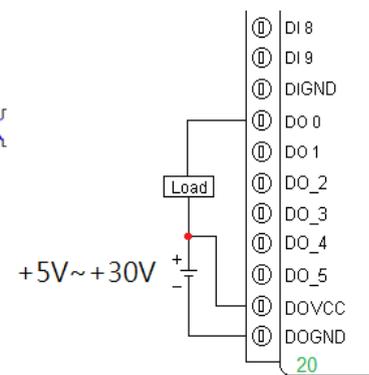


To use Wet Contact , the DIGND pin must be opened.

Digital Input



Digital Input



Digital Output