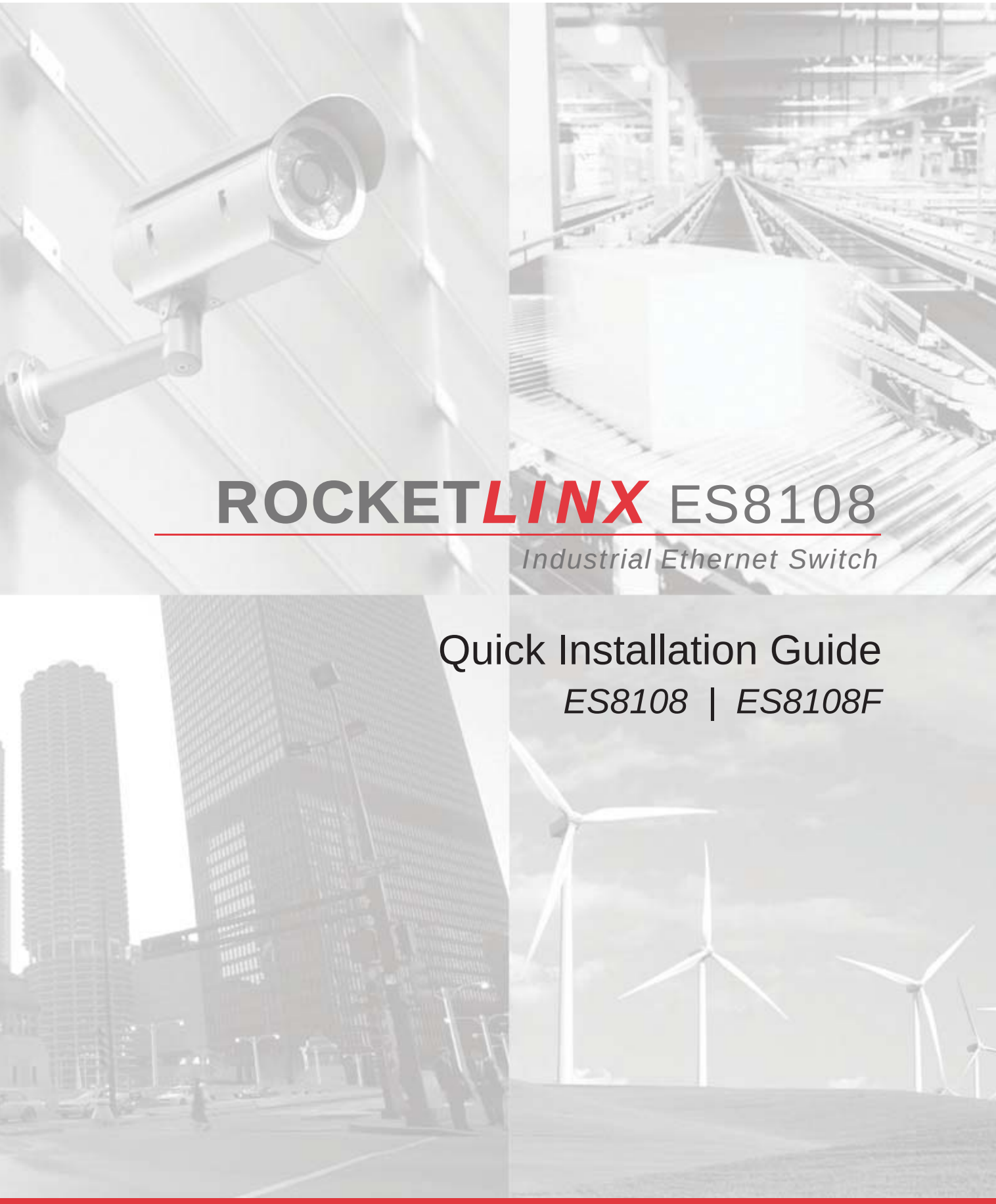


ROCKETLINX ES8108

Industrial Ethernet Switch

Quick Installation Guide

ES8108 | ES8108F

2000517 Rev. C

www.comtrol.com

Introduction

The RocketLinx ES8108 and ES8108F series of industrial Ethernet switches conform to IEE802.3 and 802.3u standards, which includes the following models:

- ES8108 supports eight 10/100BASE-TX ports
- ES8108F-M (multi-mode) supports six 10/100BASE-TX and two 100BASE-FX fiber ports
- ES8108F-S (single-mode) supports six 10/100BASE-TX and two 100BASE-FX fiber ports

The RocketLinx ES8108/ES8108F features an IP30 rated rugged metal housing for operation in harsh environments (-25°C to 70°C). It also features a relay alarm output to notify users of a port link or power failure that can be enabled or disabled using the 9-pin DIP switch. The RocketLinx ES8108/8108F can be powered using a wide input power range of 12-48VDC using the 6-pin terminal block.

RocketLinx ES8108

RocketLinx ES8108F

Package contents Check List

Box contents:

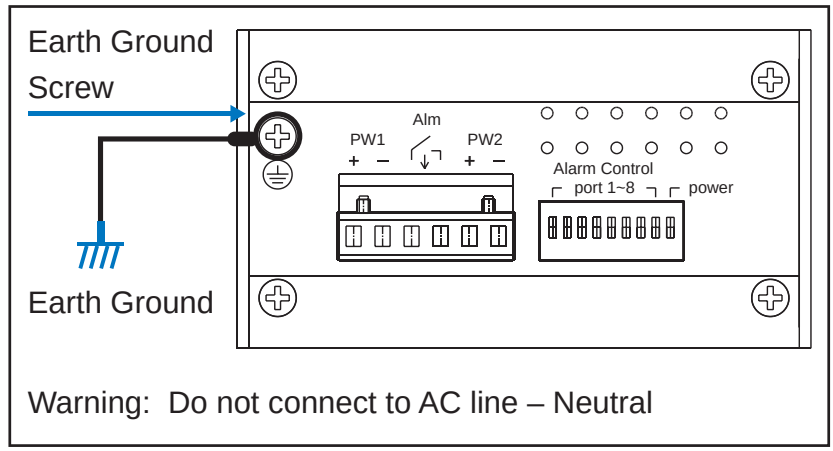
- RocketLinx ES8108/ES8108F switch
- Quick installation guide
- RocketLinx Software and Documentation CD, which contains the *ES8108/ES8108F User Guide*. You can refer to the *User Guide* for detailed installation procedures and product information.
- DIN rail mounting kit

Mounting the Unit

Optionally, mount the RocketLinx ES8108/ES8108F on the DIN rail using the DIN rail clip that is attached to the rear of the unit.

Grounding RocketLinx ES8108/ES8108F

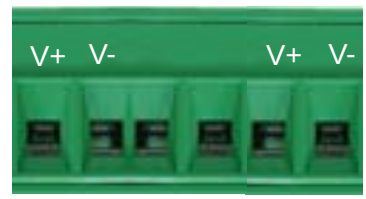
There is an earth ground screw on the bottom side of the RocketLinx ES8108/ES8108F. Connect the earth ground screw of the switch to a grounding surface to ensure safety and prevent noise.



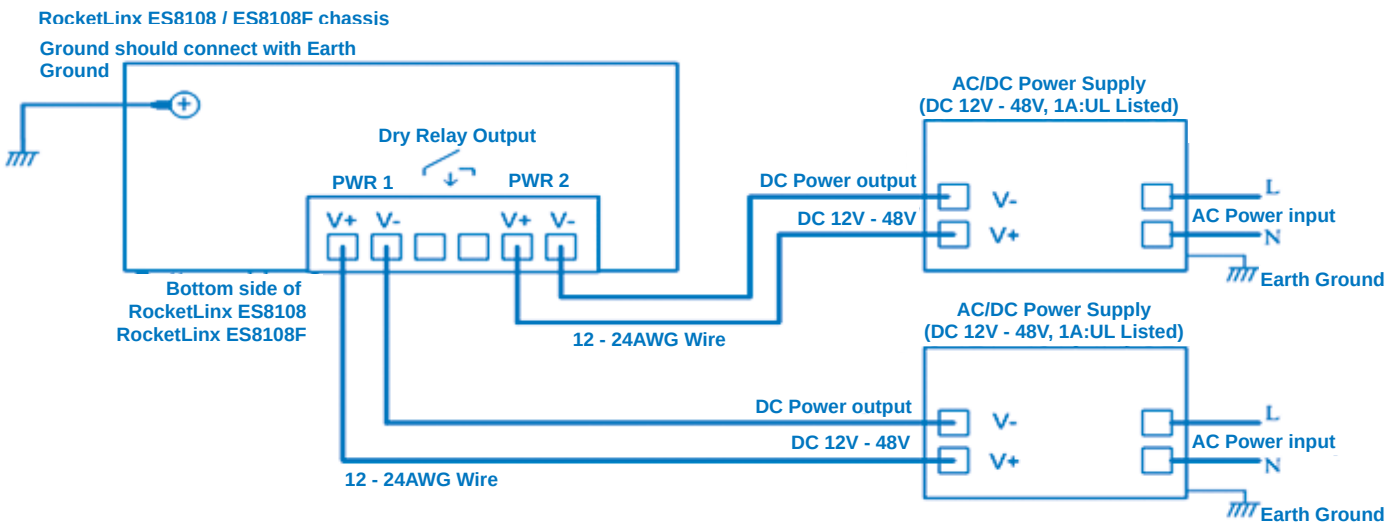
Wiring the Power Inputs

The RocketLinx ES8108/ES8108F provides redundant DC power input.

1. Insert the positive and negative wires into the + and - contact either under the PW1 or PW2 on the terminal block connector.
2. Tighten the wire-clamp screws to prevent the wires from being loosened.

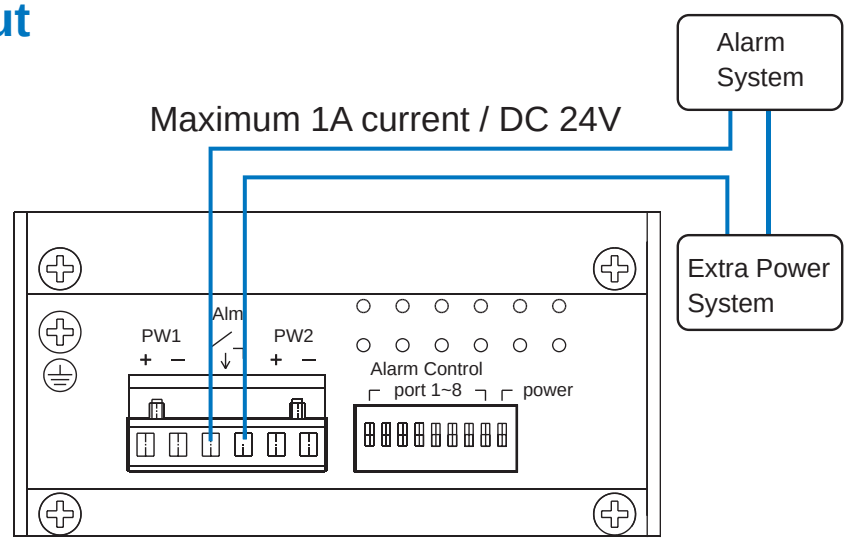


Note: The recommended working voltage is 24VDC (12-48VDC).



Wiring the Relay Output

The relay alarm output contacts are in the middle of the terminal block connector. By inserting the wires and setting the DIP switch of the respective Port Alarm to “ON”, the relay output alarm will detect any port failures and form a short circuit. The alarm relay output is “Normal Open.” The alarm relay output closes if there is a port or power failure.



DIP Switch Settings for Alarm Relay Output

Pin	Status	Description
P1 to P8 (Pin 1 – 8)	ON	To enable port link down alarm at this port.
	Off	To disable port link down alarm at this port.
P9	ON	To enable power failure alarm.
	Off	To disable power failure alarm.

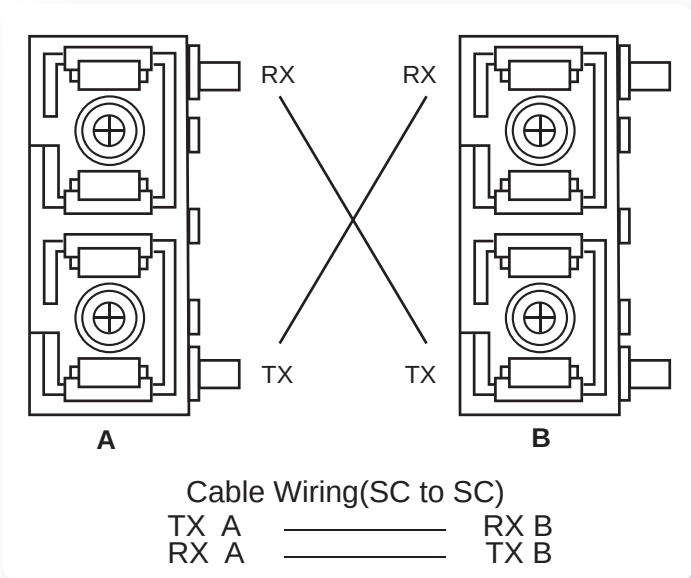
Connecting to the Network

Connecting the Ethernet Ports

Connect one end of an Ethernet cable into the Ethernet port of the RocketLinx ES8108 or ES8108F and the other end to the attached device. All Ethernet ports support auto MDI/MDIX functionality. The yellow LED is lit for a 100Mbps link and remains off for a 10Mbps link. The green LED is lit for link up and blinks for packet transmit and receive. The fiber port has one LED, which is lit if the port is operating in full-duplex mode and blinks when the port is transmitting or receiving data.

Connecting the Fiber Port (RocketLinx ES8108F)

Connect the fiber port to another Fiber Ethernet device, by following the diagram.



ATTENTION

This is a Class 1 Laser/LED product.

Don't stare into the Laser/LED Beam.

Comtrol Customer Service

Contact Method	Web Address or Phone Number
Support	http://www.comtrol.com/pub/en/support
Downloads	ftp://ftp.comtrol.com/html/ES8108.htm
Web Site	http://www.comtrol.com
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