✚ QUICK START GUIDE

Model EIRSP1

Industrial Ethernet Surge Protector

Before you begin, be sure you have the following:

+ EIRSP1 Ethernet Surge Protector
+ DIN Rail to Panel Mount Adapter Bracket
  (optional, sold separately)

B+B SmartWorx

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✚ Recommended Accessories

DIN Rail Panel Mount Adapter
DRPM25

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Product Overview

UL Listed

RJ45 Ethernet

DIN Rail Adapter Bracket

IP30 Enclosure

EIRSP1 Specifications Table

Ethernet Connection	RJ-45
Lines Protected	8
Protocols	802.11af (Modes A & B)
Speed	10/100 Base-T
Clamping Voltage	60 V
Peak Pulse Power	600 W
Peak Surge Capacitance	1000 Amps
Capacitance	<50 pF
Response Time	<5 ns
Temperature	-40 to 80 °C (-40 to 176 °F) operating
MTBF	131960 hours (Calculation Method: Parts Count Reliability Prediction)
Wire Type	Copper wire only
Wire Range	14 to 22 AWG
Wire Temperature	105 °C minimum (sized for 60 °C ampacity)

1 | Getting Started

Elinx™ Model EIRSP1 Industrial Ethernet Surge Protector is designed to protect all eight RJ-45 lines used in a standard CAT5e Ethernet cable.

It is compatible with 10/100BaseT networks and 802.11af (Modes A & B) Power-over-Ethernet:

• Mode A applies power to the data pairs, pins 1/2 and 3/6.

• Mode B applies power to the unused pairs, pins 4/5 and 7/8.

2 | Connections

Network connections are made using RJ-45 connectors.

When placing the surge protector on the line, the single-segment length may be shortened.

You may want to consider how long the existing segment is when adding this surge protector to the line. Surge suppressors add capacitance/load, so you will typically experience a reduction in maximum segment length for each unit installed. Only one suppressor per segment is recommended.

3 | Grounding

Grounding is accomplished using a ground lug which accepts 14 to 22 AWG wire. Stranded or braided cable is recommended with a 3-foot (0.9 m) maximum run to Earth Ground.

4 | Mounting

Space saving IP30 enclosure mounts on DIN Rail (panel mount adapter bracket available, sold separately).