



Edco LCDP Data Circuit Protection

The Edco LCDP Series is designed to conveniently protect 8 wire, low voltage data circuits and employs two RJ-45 jacks for easy installation. The Edco LCDP utilizes silicon avalanche (solid-state) suppression technology, and exhibits very low capacitance to accommodate high data rates. This unit supports high-speed data rates of over 100 Mbps.

Features

- <1 nanosecond response time
- Line-to-line protection
- Low capacitance
- RJ-45/4 pair protection (8 wire)
- Silicon avalanche design
- Line to ground protection
- 5 year warranty

General Technical Specifications

Operating Voltage	5, 12, 24, 48, 65 VDC
Clamping Voltage	8, 15, 30, 60, 75 VDC
Operating Current	1.5 A
Peak Surge Current (10 x 1000 μ s)	008 = 125 A, 015 = 72 A, 030 = 22 A, 060 = 18 A, POE* = 15 A
Frequency Range	0 to 100 MHz
Insertion Loss	<0.1 dB at 50 MHz
SPD Technology	Silicon Avalanche Diode (SAD)
Connection Type	RJ-45 Jacks
Operating Temperature	-40°C to +85°C
Dimensions (Inches)	1.0H x 2.5W x 4.25L
Weight	3 oz
Certifications	UL 497B (*except LCDP-POE) ISO 9001:2000

Installation

The user equipment plugs into the LCDP's equipment (protected) side, and the LCDP's line (unprotected) side is connected to the incoming line. All 8 conductors are protected. The green ground wire must be bonded to the protected equipment power ground (third wire, green wire safety ground). Do not add length to the ground wire, for it must be kept as short as possible.

Ordering Information

LCDP-008	8 Volts
LCDP-015	15 Volts
LCDP-030	30 Volts
LCDP-060	60 Volts
LCDP-POE	75 Volts