Outdoor In-Line PoE Surge Protector - IP66 Rated, 1 Gbps, Cat5e/6/6a, IEC Compliant, TAA

MODEL NUMBER: **B110-SP-CAT-OD**







Protects edge network devices, including PoE cameras and LAN access points, from power surges, ESD and cable discharge events.

Features

Outdoor In-Line Surge Protector Keeps Your 1G PoE Edge Network Equipment Safe Ideal for home/corporate security systems, wireless access points, routers, bridges and other PoE (Power over Ethernet) applications, the B110-SP-CAT-OD protects outdoor-mounted network equipment from damage caused by power surges, electrostatic discharge (ESD) and cable discharge events. Just connect it between your source and network equipment using standard 23/24 AWG Cat5e/6/6a cables (sold separately) and the included cable glands. Both mid-span and end-span PoE are supported. ***Note****: two B110-SP-CAT-OD surge protectors are required to protect both source and device.*

Your Last Defense Against Intruding Voltage Spikes That Can Cause Costly Downtime Thyristor diode technology features low impedance and superior power handling capabilities, providing protection against ESD and super-fast response time under one nanosecond. Gas discharge modules on all four twisted pairs protect each wire from surges or spikes by dissipating the voltage transient through a contained plasma gas. Line-to-line and line-to-ground protection modes help protect against short circuits and minimize distortion of high-speed signals. The B110-SP-CAT-OD meets the following IEC regulations: IEC 61000-4-2 (ESD) +/- 15kV (Air), +/- 8kV (Contact) and IEC 61000-4-5 10kA (8/20µs), 20kV (8/20µs).

IP66 Rating Denotes Resistance to Dust and Water The housing's IP66 rating means the surge protector is not only 100% protected against dust, but also able to endure high-pressure jets of water from any direction with no damage or decline in performance. In addition to its water and dust resistance, which keeps it safe in storms and other foul weather, the B110-SP-CAT-OD is shockproof, giving you peace of mind without worrying about the unit being jarred and damaged.

Ready to Use Right from the Package, So You Can Plug and Play Immediately This PoE in-line surge protector meets 802.3af, 802.3at and 802.3bt IEEE standards, supporting up to 90W of DC power (due to power dissipation, powered devices receive 71W) and Ethernet data speeds up to 1 Gbps. No external power supply is required. Rear mounting holes allow for convenient installation where needed, such as high on a wall or pole. The distance between the B110-SP-CAT-OD and the equipment it is protecting should not exceed 328 feet (100 meters).

TAA-Compliant for GSA Schedule Purchases The B110-SP-CAT-OD is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Highlights

- Easy to connect between mid- or end-span PoE source and device using Cat5e/6/6a cabling
- Dustproof, shockproof and IP66-rated to endure powerful jets of water from any direction
- Supports 802.3af/at/bt IEEE standards and Ethernet data speeds up to 1 Gbps
- Plug-and-play operation with no external power required for immediate installation
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Applications

Protect an outdoor PoE device, such as a security camera, against damage from electrostatic discharge, cable discharge or power surge

Package Includes

- B110-SP-CAT-OD Outdoor PoE Surge Protector
- Grounding wire, 18 AWG, 1-ft. (0.31 m)
- (2) Metric cable glands, 8.4 mm
- (2) PCBA mounting screws
- (4) Surface mounting screws
- (4) Surface screw anchors
- (4) Unit cover screws
- Owner’s manual

Specifications

OVERVIEW	
UPC Code	037332252104
Product Type	Surge Protector
Accessory Type	Surge Protector
Technology	Cat5/5e; Cat6; Cat6a; Cat8
VIDEO	
HDR Support	No
INPUT	
Nominal Input Voltage(s) Supported	120V AC
Input Plug Type	RJ45
Input Cord Length (ft.)	0
Right-Angle Plug	No
Input Cord Length (m)	0.00
OUTPUT	
Output Receptacles	(2) Network
Right-Angle Outlets	No
POWER	
Power Over Cable (PoC) Support	Yes
CONNECTIONS	
Number of Ports	1
PoE Power Budget (Watts)	90
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
PoE Type	Type 4 High-Power (100W, IEEE 802.3bt)
USER INTERFACE, ALERTS & CONTROLS	
Diagnostic LED(s)	No
SURGE / NOISE SUPPRESSION	
AC Suppression Joule Rating	0
Automatic Shut-Off	No

DATALINE SURGE SUPPRESSION	
Cable (Coax) Protection	No
Network (Ethernet) Protection	No
Telephone/DSL Protection	No
PHYSICAL	
Color	Light Gray
Material of Construction	ABS
Housing Color	Light Gray
Shipping Dimensions (hwd / in.)	4.80 x 2.99 x 3.82
Shipping Dimensions (hwd / cm)	12.19 x 7.59 x 9.70
Shipping Weight (lbs.)	0.65
Shipping Weight (kg)	0.29
Unit Dimensions (hwd / in.)	6.540 x 3.150 x 2.760
Unit Packaging Type	Box
Unit Weight (lbs.)	0.55
Unit Weight (kg)	0.25
ENVIRONMENTAL	
Operating Temperature Range	-40° to 158°F (-40° to 70°C)
Storage Temperature Range	-40° to 194°F (-40° to 90°C)
Relative Humidity	0% to 95% RH, Non-Condensing
ESD Protection	15kV (Air) / 8kV (Contact)
Lightning Protection	10kA (8/20µs) / 20kV (8/20µs)
COMMUNICATIONS	
Signal Range (ft.)	100
Signal Range (m)	30
Network Compatibility	1 Gbps (Gigabit)
IEEE Standards Supported	802.3af; 802.3at; 802.3bt
FEATURES & SPECIFICATIONS	
Rotatable Outlets	No
Antimicrobial	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	No

Multi-Resolution Support	No
Ingress Protection (IP) Rating	IP66
Driver Required	No
Recommended Category Cable	Cat5e, Cat6, Cat6a, Cat8 Cables
DIN Mountable	No
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

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