Outdoor In-Line PoE Surge Protector - IP68 Rated, 1 Gbps, Cat5e/6, IEC Compliant, 110 Punch Down, TAA

MODEL NUMBER: **B110-SP-CAT-OD2**








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-OD2 protects indoor and outdoor 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-OD2 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-OD2 meets the following IEC regulations: IEC 61000-4-2 (ESD) +/- 15kV (Air), +/- 8kV (Contact), IEC 61000-4-4 (EFT) 3kV (5/50ns) and IEC 61000-4-5 10kA (8/20µs) and 20kV (8/20µs).

IP68 Rating Denotes Resistance to Dust and Water
The housing's IP68 rating means the surge protector is not only 100% protected against dust, but also able endure immersion in 1.5 meters of water for up to 60 minutes with no damage or decline in performance. In addition to its water and dust resistance, keeping it safe in storms and other foul weather, the B110-SP-CAT-OD2 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, 802.3bt and 802.3at 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. The passive unit requires no external power. Rear mounting holes allow for convenient installation where needed, such as high on a wall or pole. The distance between the B110-SP-CAT-OD2 and the equipment it is protecting should not exceed 328 feet (100 meters). ***Note**: For best performance, the installation's total cable distance should not exceed 328 feet.*

Highlights

- Easy to connect between mid- or end-span PoE source and device using Cat5e/6/6a cabling
- Dustproof, shockproof and IP68-rated to resist dust and endure immersion in water
- 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-OD2 Outdoor PoE Surge Protector
- Grounding wire, 18 AWG, 1 ft. (0.3 m)
- (3) Metric cable glands, 8.4 mm diameter
- (4) Surface mounting screws
- (4) Surface screw anchors
- (4) Unit cover screws
- Owner's manual

TAA-Compliant for GSA Schedule Purchases
The B110-SP-CAT-OD2 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332262806
Product Type	In-Line Surge Protector
Technology	Cat5/5e; Cat6; Cat6a; Cat8
INPUT	
Input Plug Type	Bare Wire
Input Cord Length (ft.)	0
Right-Angle Plug	No
Input Cord Length (m)	0.00
OUTPUT	
Output Receptacles	Network
Right-Angle Outlets	No
CONNECTIONS	
Number of Ports	2
PoE Capability	100W (802.3bt)
Side A - Connector 1	110 IDC
Side B - Connector 1	110 IDC
PoE Type	Type 1 PoE (15.4W, IEEE 802.3af); Type 2 PoE+ (30W, IEEE 802.3at); Type 3 PoE++/UPoE (60W, IEEE 802.3bt)
Power Available at PD	71 W
Max. Power Delivered by PSE	90 W
USER INTERFACE, ALERTS & CONTROLS	
Diagnostic LED(s)	No
SURGE / NOISE SUPPRESSION	
AC Suppression Joule Rating	0
AC Suppression Response Time	<0.7 ns
AC Suppression Surge Current Rating	10KA (8/20us)
Automatic Shut-Off	No

DATALINE SURGE SUPPRESSION	
Cable (Coax) Protection	No
Network (Ethernet) Protection	Yes
Telephone/DSL Protection	No
PHYSICAL	
Material of Construction	PC (Plastic)
Housing Color	White
Mounting Holes or Slots	Yes
Rackmountable	No
Shipping Dimensions (hwd / in.)	3.27 x 11.57 x 5.91
Shipping Dimensions (hwd / cm)	8.31 x 29.39 x 15.01
Shipping Weight (lbs.)	1.10
Shipping Weight (kg)	0.50
Unit Dimensions (hwd / in.)	3.160 x 4.720 x 3.150
Unit Dimensions (hwd / cm)	8.02 x 12 x 8
Unit Packaging Type	Box
Unit Weight (lbs.)	0.88
Unit Weight (kg)	0.40
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0% to 85%, Non-Condensing
ESD Protection	15kV (Air) / 8kV (Contact)
EFT Protection	3kV (5/50 ns)
Lightning Protection	10kA (8/20µs) / 20kV (8/20µs)
COMMUNICATIONS	
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
Mounting Accessory Included	No

IP68 Rated	Yes
Ingress Protection (IP) Rating	IP68
Driver Required	No
Recommended Category Cable	Cat5e, Cat6, Cat6a, Cat8 Cables
DIN Mountable	No
STANDARDS & COMPLIANCE	
Protection Rating	IP68
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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