

Surge Protection Device - Surge Protective Device, 3-Mode, 120/240 VAC 1Ph, Type 1 or Type 2, Outdoor

Item AG2401C3



PRODUCT DESCRIPTION

The AG Series Surge Protective Devices (SPD) are designed for a variety of applications. Trusted, state-of-the-art TPMOV® (Thermally Protected Metal Oxide Varistor) surge protection technology eliminates the potentially hazardous failure modes that are commonly associated with standard MOV technology. A green LED indicator provides status of protection. Type 1 applications include outdoor installations before service entrances and utility meter cabinets. Type 2 applications include installations after service entrances. Outdoor applications include irrigation equipment, farm equipment, pumps, lighting fixtures, traffic signaling devices, HVACR controls and motors. AG2401C3/AG48013/AG6503C3/AG6503L3 are UL Listed to ANSI/UL 1449, 3rd edition. AG2083C3/AG4803C3/AG2403C3 are CSA certified to ANSI/UL 1449, 3rd Edition.

FEATURES

- ▶ Six modes of protection
- ▶ TPMOV® surge protection technology
- ▶ Green LED protection indicator
- ▶ Type 4X watertight, plastic enclosure for outdoor installations
- ▶ UV-resistant polycarbonate housing
- ▶ 1/2" threaded nipple for 7/8" nominal conduit knockout
- ▶ 1-year product warranty
- ▶ CSA certified to ANSI/UL 1449 5th edition

APPLICATIONS

- ▶ Distribution Panel
- ▶ Service Entrance

TECHNICAL DATA

General	
Model Number	AG2401C3
Description	Surge Protective Device, 3-Mode, 120/240 VAC 1Ph, Type 1 or Type 2, Outdoor
UPC Code	078275124431
Brand	Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	1-Year limited
Electrical Specifications	
Modes of Protection	3 (L1-N, L2-N, L1-L2)
Short Circuit Current Rating	50 kA
Nominal Discharge Current	20 kA
Maximum Surge Current Rating Per Phase	50 kA
Surge Protection Technology	TPMOV®
Maximum Continuous Operating Voltage (L-G)	150
Maximum Continuous Operating Voltage (L-L)	300
Maximum Continuous Operating Voltage (L-N)	150
Maximum Continuous Operating Voltage (L1-L2)	300
Voltage Protection Rating (L-G)	700
Voltage Protection Rating (L-L)	1200
Voltage Protection Rating (L-N)	700
Phase	Single
Voltage	120/240 VAC Single-Phase

Control Specifications

Surge Protection Type	1; 2
Surge Protection LED Indicator	Green

Mechanical Specifications

Number of Wire Leads	3
Enclosure Type	Indoor/outdoor type 4X

Dimensions

Product Diameter (in)	3
Product Diameter (mm)	76.2
Wire Lead Length (in)	18
Wire Size Max	#12 AWG

Material Specifications

Color	Black
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Packaging

Shipping Weight (lbs)	0.998
Unit Carton Dimensions (H x W x L) in	7.001 x 3.751 x 4.001 in

Environmental Specifications

Temperature (operation)	-31 °F to 185 °F / (-35 °C to 85 °C)
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Standards and Certifications

UL Certification	UL; cULus
CSA Certification	CSA; cCSAus; cCSAus SPD Type 1; cCSAus SPD Type 2
Other Certifications and Compatibilities	Green Energy
UL Standard	ANSI/UL 1449 5th Edition
California Proposition 65	DEHP
RoHS Certification	X

ACCESSORIES



AG1BRKT

Mounting Bracket for AG2401C3, AG48013, AG2083C3, AG4803C3, AG6503C3, AG6503L3, AG2403C3



SOLUTIONS & APPLICATIONS RESIDENTIAL

What's the cost of surge damage to today's "smart" appliances and electronics?

U.S. consumers spend billions annually on "smart" home appliances, refrigerators with touchscreens, computerized washers, dryers, ranges and HVAC equipment. According to an analyst at the research firm IHS, Americans purchased approximately 276,000 networked appliances in 2014. This number is expected to increase exponentially to about 24 million by 2020 in the U.S. alone, and more than 470 million worldwide.

Today's sophisticated and expensive appliances and electronics all require protection from power surges.

As the electronics we rely on for home and business become "smarter," the components become more costly to replace. Damage from electrical surges are typically not covered in a manufacturer's or extended warranty. Furthermore, 84% of homeowners feel power strips provide adequate protection for computers, HD TVs and other electronic components. Only 20% of these same homeowners understand that these strips degrade over time, rendering them inadequate for surge protection. Consumers may not realize that the thousands of dollars they have invested in the kitchen, laundry room, garage and specialty lighting can all be protected with surge protective devices (SPDs) that are backed with both product and connected equipment warranties.

Intermatic has been safeguarding electrical equipment for over 20 years. Our approach is based off of ANSI/UL1449 3rd Edition standards. First, a Type 1 SPD is installed at the line side of the main service panel. This protects the entire electrical system of the residence or business. Next, a Type 2 SPD on the load side of the main service panel enables secondary surge protection from internal, or transient, power surge sources. Then, sensitive electronics and devices are protected from internal surges with point-of-use SPDs.

Intermatic's SPDs offer the industry's best ratings and state-of-the-art surge protection technology. The devices are designed with trusted, state-of-the-art TPMOV® (Thermally Protected Metal Oxide Varistor) surge protection technology that eliminates the potentially hazardous failure modes associated with standard MOV surge protection technology.



Use this checklist to avoid the cost of surge damage.

Help your customers avoid this risk by conducting a thorough review of their whole house. Costs can be added up room-by-room, providing an eye-opening dollar amount to the risk a homeowner is taking with inadequate or non-existent surge protection coverage. Then calculate the total cost and compare it to the minimal investment required for surge protection devices. Be sure to factor in Intermatic's unsurpassed SPD ratings and connected equipment warranties.

COMPONENT	COST
ENTERTAINMENT	
Televisions	
Sat/Cable Receivers	
AM/FM Receivers	
CD Players	
DVD Players	
Video Game Consoles	
Sub Woofers	
Rechargeable Electronics	
Arcade Games	
Digital Projectors	
TOTAL	
HOME OFFICE	
Computers	
Monitors	
Copiers	
Printers	
Fax Machines	
Scanners	
Paper Shredders	
Rechargeable Electronics	
Specialized Equipment	
TOTAL	
OUTDOORS	
Garage Door Opener	
Sprinkler Controls	
Pool Pump	
Pool Heater	
Jacuzzi	
Fountain Pumps	
Landscape Lighting	
Well Pumps	
TOTAL	

COMPONENT	COST
KITCHEN	
Refrigerators	
Freezers	
Ranges	
Range Hoods	
Dishwashers	
Coffee Makers	
Microwaves	
Garbage Disposal	
TOTAL	
MISCELLANEOUS	
Washer	
Dryer	
Electric Heating	
Electric Water Heater	
Air Conditioning	
Cordless Phones	
Intercom	
Security	
Light Bulbs	
Ballasts	
Air Purifiers	
Exercise Equipment	
Power Tools	
Compressors	
TOTAL	
WHOLE HOUSE TOTAL	
Total Entertainment	
Total Home Office	
Total Kitchen	
Total Miscellaneous	
Total Outdoors	
GRAND TOTAL	