

## SmartGuard®

### Whole House Surge Protective Device

The SmartGuard Surge Protective Device with IModule utilizing TPMOV® technology can be easily and safely replaced by the end user as needed. No longer does the entire hardwired unit need to be replaced once the TPMOV has been sacrificed. The SmartGuard Series has been designed for a variety of Type 1 and Type 2 applications. Type 1 applications include outdoor installations before service entrances and utility meter cabinets. Type 2 applications include installations after service entrances. UL Listed to ANSI/UL 1449 3rd Edition and is approved for residential/light commercial services.

### Features

- Maintain Active Protection with Replaceable IModules
- Power and Status LED Indicator Lights
- Indoor and Outdoor Models Available in a Metal or Plastic Enclosure
- Module Power Switch (IG2240-IMSK) for Convenient Disconnect from Power Source for IModule Replacement
- 6 Modes of Protection (L1-N, L2-N, L1-G, L2-G, N-G, L1-L2)
- 3 IModules included with the Base Unit
- 10 Year, \$25,000 or \$50,000 Connected Equipment Warranty

### Ratings

Input Voltage: 120/240 VAC, 50/60Hz  
 SPD Type: Type 1 or Type 2 SPD  
 Enclosure: Type 1 or Type 3R Outdoor Enclosure  
 Warranty: Limited 10-Year Product  
 PH: 1S  
 AMB.(°C) Min/Max: -35/85  
 UL listed to ANSI/UL 1449 3rd Edition



Project: \_\_\_\_\_

Location: \_\_\_\_\_

Product Type: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

Model #: \_\_\_\_\_



IG2240-IMSK



IG2240-PK



IG2280-IM



IG2280-OM

Model Number	Description	SPD Type	Number of Phases	Mode	VPR (Vpk)	MCOV (V)	In (kA)	SCCR (kA)
<b>IG2240-IMSK</b>	Metal Housing; 1/Indoor Service Voltage: 120, 240 VAC 6 Modes of Protection (L1-N, L2-N, L1-G, L2-G, N-G, L1-L2)	1 or 2	Single-Phase	L-L L-N L-G N-G	1500 800 1500 700	300 150 300 150	10	10
<b>IG2240-PK</b>	Plastic Housing; 3R/Outdoor Service Voltage: 120, 240 VAC 6 Modes of Protection (L1-N, L2-N, L1-G, L2-G, N-G, L1-L2)	2	Single-Phase	L-L L-N L-G N-G	1200 800 1500 700	300 150 300 150	10	10
<b>IG2280-IM</b>	Metal Housing; 1/Indoor Service Voltage: 120, 240 VAC 6 Modes of Protection (L1-N, L2-N, L1-G, L2-G, N-G, L1-L2)	2	Single-Phase	L-L L-N L-G N-G	1200 800 1500 700	300 150 300 150	20	100
<b>IG2280-OM</b>	Metal Housing; 3R/Outdoor Service Voltage: 120, 240 VAC 6 Modes of Protection (L1-N, L2-N, L1-G, L2-G, N-G, L1-L2)	2	Single-Phase	L-L L-N L-G N-G	1200 800 1500 700	300 150 300 150	20	100
<b>IG120RSM10K</b>	Consumable Module Replacement for IG2240 Series				600	150	10	10
<b>IG120RSM20</b>	Consumable Module Replacement for IG2280 Series				600	150	20	100
<b>IG2200-FMK</b>	Flush Mount Kit for IG2240-IM, IG2240-IMS and IG2280-IM							

The Base Surge Protection Device shall carry a 10-year limited product warranty and a \$25,000 or \$50,000 connected equipment coverage warranty for 10 years on appliances and electronics. The IModule limited warranty period is three years (36 months) from the date of purchase (42 months from the date of manufacture).

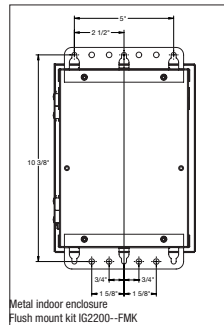
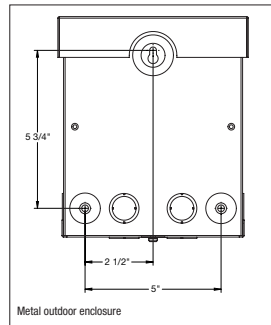
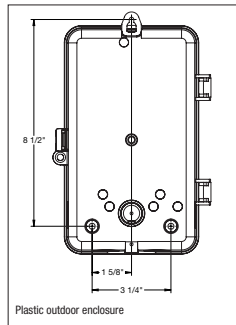
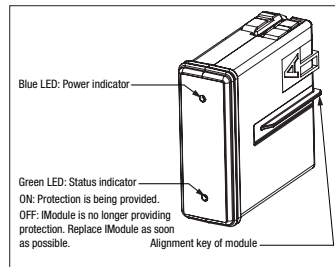
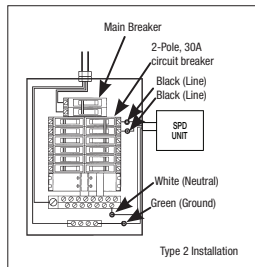
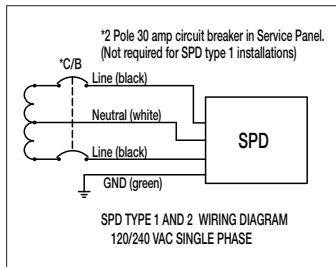
Applies to all Models:

- AMB. (°C) Min./Max.: -35/85
- No. of Leads: 4, #10 AWG, Tinned Copper
- Lead Length: 18"

## Specification

The SmartGuard Series is UL Listed to ANSI/UL 1449 3rd Edition for SPD Type 1 and Type 2 locations. SmartGuard Surge Protective Devices shall provide protection between each phase conductor, neutral and ground. The Maximum Continuous Operating Voltage (MCOV) is a minimum of 150 volts AC. The Voltage Protection Rating (VPR) for all SmartGuard Surge Protective Devices has a maximum rating of 800 volts Line to Neutral and 1500 volts Line to Line when subjected to the ANSI/UL 1449 3rd Edition VPR and Nominal current testing (In). These Surge Protective Devices employ MOV technology and provide individual component thermal protection and monitoring. Each IModule utilizes a green LED protection status indicator and a blue LED power status indicator. When an IModule sacrifices itself during a surge event the green LED turns off to show that protection for that phase has diminished. The IG2200 Series rainproof housing shall be constructed of either UV resistant polycarbonate or powder coated steel, and tested to UL Type 3R standards for outdoor use. Each Type 1 or Type 3R enclosure is provided with 1/2" and 3/4" knockouts to allow routing of leads as needed for connection to SPD. Leads are tinned copper and shall be 10 gauge minimum and 18 inches in length. The Base Surge Protective Device shall carry a 10-year limited product warranty and a \$25,000 or \$50,000 connected equipment coverage warranty for 10 years on appliances and electronics. The IModules limited warranty period is three years (36 months) from the date of purchase (42 months from the date of manufacture).

## Diagrams



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