

Surge Protection Device - Surge Protective Device, 6-Mode, 120/240 VAC 1Ph, Type 1 or Type 2, Outdoor Plastic, Connected Equipment Warranty 5 yr \$10,000

Item IG1240RC3



PRODUCT DESCRIPTION

The IG Series Surge Protective Devices (SPD) are designed for a variety of applications. A green LED indicator provides status of protection. 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. Type 1 applications include outdoor installations before service entrances and utility meter cabinets. Type 2 applications include installations after service entrances. CSA certified to ANSI/UL 1449, 3rd Edition.

FEATURES

- ▶ Six modes of surge protection
- ▶ TPMOV® surge protection technology
- ▶ Green LED indicator provides status of protection
- ▶ Type 3R rainproof enclosure for indoor/outdoor applications in plastic
- ▶ 5-year product warranty
- ▶ \$10,000 connected equipment warranty on appliances and electronics
- ▶ CSA certified to ANSI/UL 1449 3rd edition

APPLICATIONS

- ▶ Whole Home Protection

TECHNICAL DATA

General	
Model Number	IG1240RC3
Description	Surge Protective Device, 6-Mode, 120/240 VAC 1Ph, Type 1 or Type 2, Outdoor Plastic, Connected Equipment Warranty 5 yr \$10,000
UPC Code	078275124394
Brand	Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	5-Year limited
Connected Equipment Warranty Period	5-Year limited
Connected Equipment Warranty Coverage (USD)	10000
Surge Protection Type	1; 2
Electrical Specifications	
Modes of Protection	6 (L1-N, L2-N, L1-G, L2-G, N-G, L1-L2)
Short Circuit Current Rating	100 kA
Nominal Discharge Current	20 kA
Maximum Surge Current Rating Per Phase	50 kA
Surge Protection Technology	TPMOV®
Maximum Continuous Operating Voltage (L-G)	300
Maximum Continuous Operating Voltage (L-L)	300
Maximum Continuous Operating Voltage (L-N)	150
Maximum Continuous Operating Voltage (N-G)	150
Voltage Protection Rating (L-G)	1200
Voltage Protection Rating (L-L)	1200
Voltage Protection Rating (L-N)	700

Voltage Protection Rating (N-G)	700
Phase	Single
Voltage	120/240 VAC Single-Phase

Control Specifications

Surge Protection LED Indicator	Green
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Mechanical Specifications

Number of Wire Leads	4
Enclosure Type	Outdoor type 3R plastic

Dimensions

Product Dimensions (H x W x D) in	4 3/16 x 4 3/16 x 3 7/16 in
Wire Lead Length (in)	30
Wire Size Max	#12 AWG, Tinned Copper

Packaging

Shipping Weight (lbs)	1.098
Unit Carton Dimensions (H x W x L) in	7.501 x 3.751 x 6.251 in

Environmental Specifications

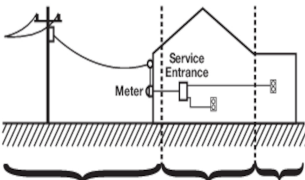
Temperature (operation)	-31 °F to 185 °F / (-35 °C to 85 °C)
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Standards and Certifications

CSA Certification	cCSAus SPD Type 1; cCSAus SPD Type 2
UL Standard	Ansi/UL 1449 3rd Edition
California Proposition 65	DEHP

DRAWINGS AND DIAGRAMS

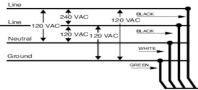
Residential



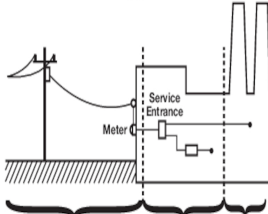
Type 1  
Before  
Panel

Type 2  
After  
Panel

Type 3  
Direct  
Plug-in



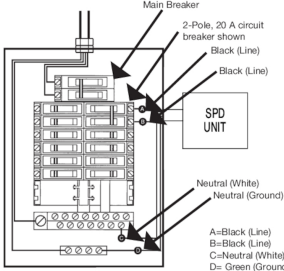
Industrial



Type 1  
Before  
Panel

Type 2  
After  
Panel

Type 3  
Direct  
Plug-in



Type 2 Installation  
IG1240RC3/IG3240RC3

Main Breaker

2-Pole, 20 A circuit breaker shown

Black (Line)

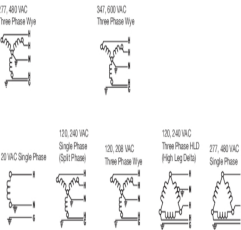
Black (Line)

SPD UNIT

Neutral (White)

Neutral (Ground)

A=Black (Line)  
B=Black (Line)  
C=Neutral (White)  
D= Green (Ground)



277, 480 VAC  
Three Phase Wye

540, 600 VAC  
Three Phase Wye

120, 240 VAC  
Single Phase  
(Split Phase)

120, 240 VAC  
Three Phase Wye

120, 240 VAC  
Three Phase Wye

277, 480 VAC  
Single Phase

Note: All SPDs protect against surges that travel along the electrical pathway and are not applicable to direct lightning strikes that travel down non-electrical paths. Be sure to have at least a 20 A dual pole breaker(s) to help prevent the circuits from shorting. Type 1 SPDs are normally mounted before panels, which would not include a breaker.

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ACCESSORIES



IG1240FMP33  
Flush Mount Kit for IG1200RC3 and IG1240RC3