



Features

- Type 2 AC Power SPD
- Heavy duty surge protection in all modes
- LED indicators and audible alarm
- EMI/RFI noise filtering
- Indoor or outdoor installation
- UL1449 4th Edition
- RoHS compliant*

Applications

- Service entrance, branch and OEM panels
- Electrical infrastructures
- Equipment and systems
- Protection from lightning
- Protection from AC power-induced problems

1224 Series Heavy Duty AC Surge Protective Device

General Information

The Bourns® Model 1224 Series heavy duty Surge Protective Device is targeted for AC infrastructure applications. The Model 1224 Series design utilizes high energy thermally protected metal oxide varistor technology with an I_{max} of 200 kA per phase. The Model 1224 Series is ideal for protecting AC infrastructures most at risk from frequent lightning and other electrical transients.

Electrical Characteristics

Characteristic		Model 1224-			
		240S	208Y	277Y	480D
Electrical Distribution System		120/240 VAC Split Phase	120/208 VAC Wye 3 Ph/N+G	277/480 VAC Wye 3 Ph/N+G	480 VAC Delta 3 Ph/+G
Modes Protected		L-N, L-G, N-G, L-L			
Maximum Operating Voltage	MCOV	150 VAC	150 VAC	320 VAC	550 VAC
Maximum Discharge Current	I _{max}	200 kA			
Overvoltage Protection Rating	L-N	800	800	1500	--
	L-G	900	900	1200	1800
	N-G	800	800	1200	--
	L-L	1800	1800	2000	3000
RFI Filtering		-40 dB			
UL Short Circuit Rating	I _{ssc}	200 kA			

Safety Features

Thermal Disconnect..... Internal to each protective component
 Electrical Disconnect..... Internal to each surge protector
 Failure Indicators..... LED, audible alarm and remote signaling
 Type S or Delay

Mechanical Characteristics

Enclosure..... Steel - Nema 4/12
 Environmental Rating..... IP 66 / NEMA 4x
 Operating Temperature..... -40 °C to +85 °C
 Mounting..... Wall mounting (screws not supplied)
 Weight..... 10.6 lbs.
 Indicators..... LED, audible alarm and remote signaling
 Electrical Connection..... Hardwired, 10 gauge wire

Standards Compliance

UL1449 3rd Edition, Type 1..... E313168

How To Order

12 24 - xxxx

Series _____
 24 = 200 kA Max. Discharge Current
 Nominal Operating Voltage _____
 240S = 120/240 VAC Split Phase
 208Y = 120/208 VAC Wye 3 Ph/N+G
 277Y = 277/480 VAC Wye 3 Ph/N+G
 480D = 480 VAC Delta 3 Ph/+G

Packaging Specifications

..... one unit per box

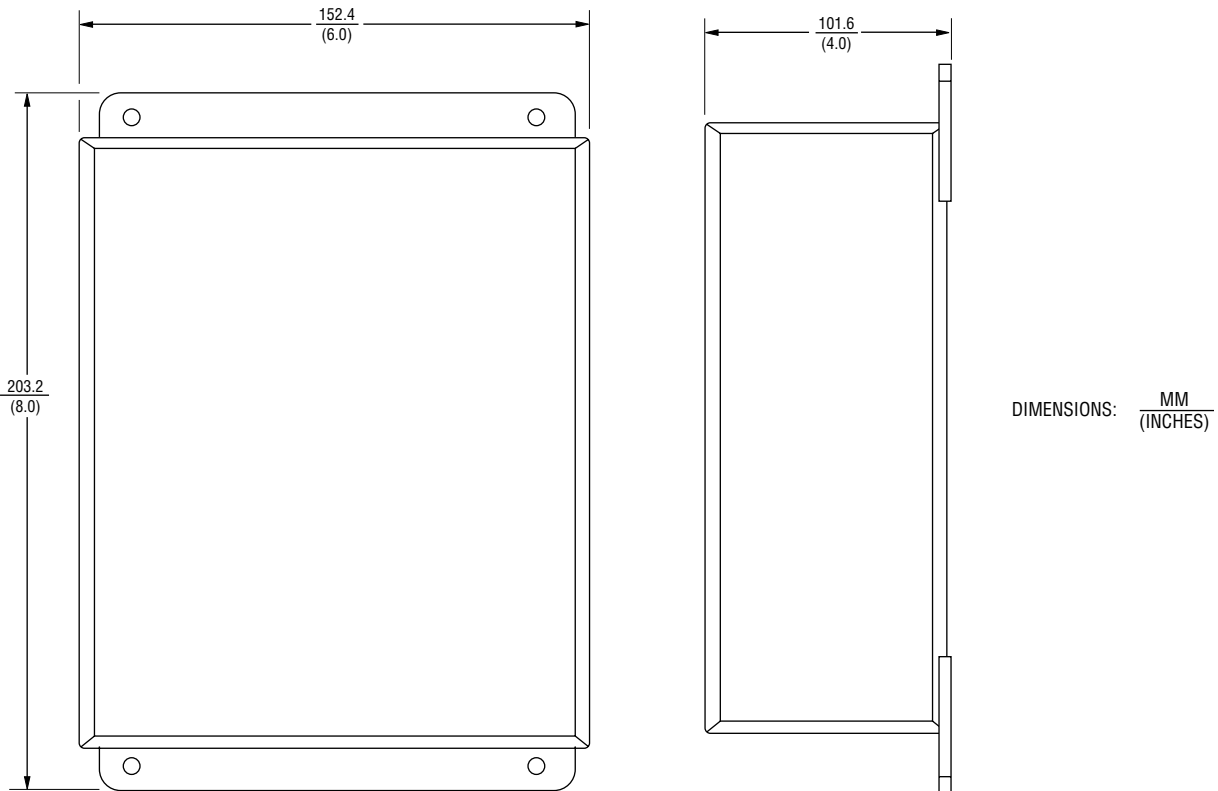
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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BOURNS®

Product Dimensions



BOURNS®

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