

The **ASCO Model 570** Surge Protective Device (SPD) is the first hybrid product in the industry to offer a true, coordinated multistage system of suppression. It integrates the fast response time of the Silicone Avalanche Diode (SAD) with the high-energy capability of our 560 Metal Oxide Varistor (MOV) product line. Testing shows the 570 SPD is particularly effective at mitigating high events beyond 20,000 amps, making it the ideal choice for high-risk locations; areas where we would expect to see the highest energy levels.




Features

- **UL 1449 Fourth Edition Listed**
- **SAD/MOV Hybrid technology**
- **250kA – 400kA per phase ratings**
- **All UL required OCP & Safety Coordination included inside**
– Type 1 SPDs intended for Line or Load Side of Main Disconnect
– Type 2 SPDs intended for Load Side of Main Disconnect
- **20kA Nominal**
- **200kA SCCR**
- **UL 96A Lightning Protection Master Label compliant (@20kA I_N)**
- **Voltage Specific Design – Highly configurable**
- **All MOV suppression elements monitored**
- **All Modes of Protection**
- **10 Year Warranty**
- **Optional Active Surge Monitor**

General Specifications

- Maximum Surge Current Capacity
“P25” = 125kA Per Mode/250kA Per Phase
“P32” = 160kA Per Mode/320kA Per Phase
“P40” = 200kA Per Mode/400kA Per Phase
- MCOV: 120VAC 125%, all others 115%
- 47-63 Hz Operating Frequency Range
- EMI/RFI Noise Rejection: 63dB Max
- NEMA Type 4 Steel
- 20kA UL1449 Nominal Discharge Current Rating
- 200kA UL1449 Short Circuit Current Rating
- Optional Rotary Disconnect Switch
- Standard Status Indication
Status & Module LED’s, Audible Alarm, Relay Alarm Contacts, Built-in-Test
- Optional Surge Counter, Dual Surge Counter, and Active Surge Monitor
- 10 Year Parts Warranty (longer optional), 5 Year Labor

Certifications


- ANSI/UL 1449 Fourth Edition Type 1 or Type 2
- UL1283 (Type 2) & CUL (Type 2) 

For all applications requiring CUL or UL1283 approvals, change the SPD model number from a UL Type 1 570xxxxxxxx1x) to a UL Type 2 (570xxxxxxxx2x)

ANSI/UL1449 Fourth Edition, Type 1 VPRs

120S/120Y Configurations (208V):	700V (L-N)
	700V (L-G)
	1000V (L-L)
	700V (N-G)
277Y Configurations (480V):	1000V (L-N)
	1200V (L-G)
	1800V (L-L)
	1000V (N-G)

ACTIVE SURGE MONITOR

A Web-Based Power Quality Monitor integrated within a Surge Protection Device 

- Real-Time Measurements
- Event Logging with Time/Date Stamp
- Embedded Web Page
- Ethernet, MODBUS, RS-485 Communications
- SPD Health Status - % Protection remaining
- LCD Display



Remote Monitoring Panel Option

Constructed with the monitoring system on a remote panel
Perfect for custom installations.



Harness Length Model Accessory

6 Feet	“U6”
10 Feet	“U10”
20 Feet	“U20”
25 Feet	“U25”
30 Feet	“U30”

Model Number Configurator


5 7 0 **A** **1 0**

Common Voltage & Configurations		
120S	120/240VAC, Split Phase, 3W+G	FIG 1
120Y	120/208VAC, 3 Phase WYE, 4W+G	FIG 2
277Y	277/480VAC, 3 Phase WYE, 4W+G	FIG 2
240H	120/240VAC, 3 Phase Delta Hi-Leg (B), 4W+G	FIG 3
480D	480VAC, 3 Phase Delta & HRG WYE, 3W+G	FIG 4
<i>Available Configurations – Confirmation encouraged</i>		
127S	127/254VAC, Split Phase, 3W+G	FIG 1
277S	240-277/480VAC, Split Phase, 3W+G	FIG 1
127Y	127/220VAC, 3 Phase WYE, 4W+G	FIG 2
220Y	220/380VAC, 3 Phase WYE, 4W+G	FIG 2
230Y	230/400VAC, 3 Phase WYE, 4W+G	FIG 2
240Y	240/415VAC, 3 Phase WYE, 4W+G	FIG 2
254Y	254/440VAC, 3 Phase WYE, 4W+G	FIG 2
300Y	300/520VAC, 3 Phase WYE, 4W+G	FIG 2
240D	240VAC, 3 Phase Delta, 3W+G	FIG 4
240D	240VAC, 3 Phase Delta, 3W+G	FIG 4
120N	120VAC, Single Phase, 2W+G (L/N/G)	FIG 5
127N	127VAC, Single Phase, 2W+G (L/N/G)	FIG 5
240N	220,230,240VAC, Single Phase, 2W+G	FIG 5
277N	277VAC, Single Phase, 2W+G (L/N/G)	FIG 5
300N	300VAC, Single Phase, 2W+G (L/N/G)	FIG 5
480N	480VAC, Single Phase, 2W+G (L/N/G)	FIG 5
240C	240VAC, Corner Ground Delta (B), 3W+G	FIG 6
480C	480VAC, Corner Ground Delta (B), 3W+G	FIG 6

Surge Rating		Connection Type	
P25	125kA Per Mode 250kA Per Phase	C	Compression Lugs
P32	160kA Per Mode 320kA Per Phase	T	Through-Door Rotary Disconnect Switch
P40	200kA Per Mode 400kA Per Phase		

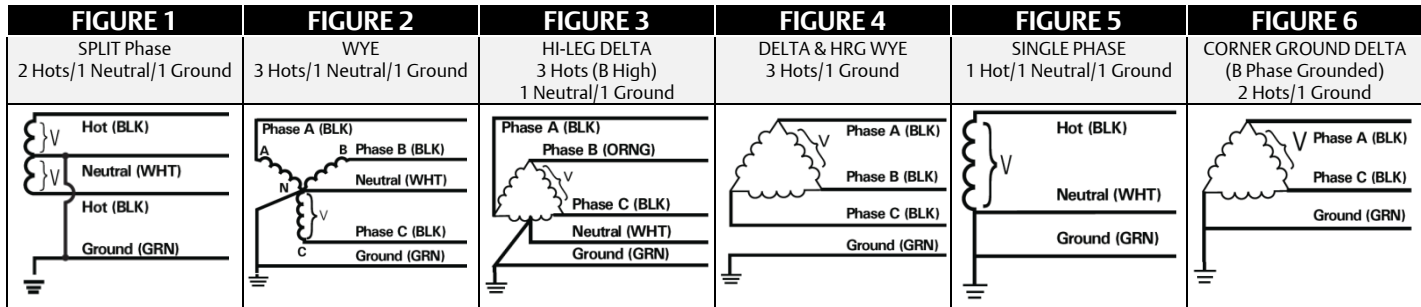
Additional Accessories	
0	Standard Configured Unit
X	Unit with Additional Accessories

Regulatory Marking	
1	UL 1449 Type 1
2	UL 1449 Type 2, CUL, & UL1283

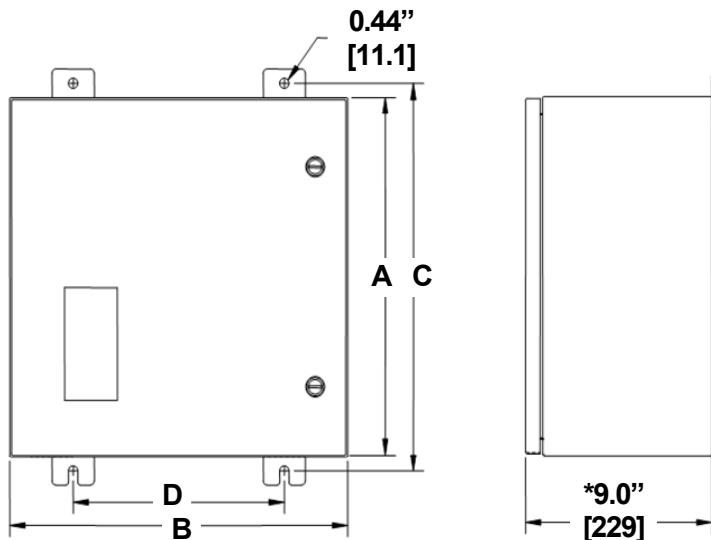
Monitoring Options	
C	Standard - Red & Green LED's, Audible Alarm, Alarm Enable & Disable, Surge Counter, 2 sets of Relay Alarm Contacts, Built-in-Test Feature
D	Standard plus Dual Surge Counters
T	Active Surge Monitor See publication SL-70109, TS-70109 

Enclosure Options	
G	NEMA 1/12/3R/4 (Standard)
H	NEMA 4X Stainless Steel (display inside door)

Consult Factory for additional source configurations, Voltages, Surge Ratings, Monitoring Options, Enclosure Ratings, additional Accessories, Etc.



Dimensional Drawing



Surge Rating	Connection Type	A x B	C	D	Wt
"P25" 250kA Per Phase	"C" Compression Lugs	16" x 12" (406 x 305)	17.25" (438)	9.5" (241)	35 lb. (15.9 kg)
	"T" Disconnect Switch	16" x 16" (406 x 406)	17.25" (438)	10" (254)	45 lb. (20.4 kg)
"P32" & "P40" 320kA -400kA Per Phase	"C" Compression Lugs	16" x 16" (406 x 406)	17.25" (438)	10" (254)	45 lb. (20.4 kg)
	"T" Disconnect Switch	20" x 16" (508 x 406)	21.25" (540)	10" (254)	55 lb. (24.9 kg)

* The enclosure depth changes to **10.0" [254]** when the "Active Surge Monitor" option is selected.

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