



- **NEMA 4X**
- **UL® 50E Type 4 Enclosure**
- **UL®1449 Listed Edition 5.0**
- **Type 1 SPD, 20kA In**
- **160kA 8/20µs I_{max} surge rating per phase**
- **All modes protected**
- **Optional Recessed Mounting Trim Plate**
- **Prewired 18” leads for alarm contacts**
- **Audible Alarm (including phase loss)**
- **Versatile Range of Applications**
- **Compact Size fits in small places**
- **Ten Year Limited Warranty**

Model	Voltage
SP1601	120V 2w+G
SP1602	240V or 277V 2w+G
SP160S12	S120/240V 3w+G
SP160Y12	Y120/208V 4w+G
SP160Y24	Y277/480V 4w+G
SP160Y36	Y347/600V 4w+G
SP160D2	D240V 3ph Delta
SP160D12	D120/240V HiLeg
SP160D4	D480V 3ph Delta

UL® 1449 Listed Edition 5

Type 1 or Type 2

The **OMEGA POWER SP160** Series of Surge Protective Devices (SPD) provide economical protection against damaging lightning and power surges. Engineered to provide durability and long life, even under the most adverse conditions. With a NEMA 4X enclosure rating, this product series is also well suited for outdoor applications.

The SP160 is **UL® 1449 Edition 5 Listed** as an SPD for **Type 1** or Type 2 locations. Type 1 allows for installation on the line or load side of the service panels and fusing and/or circuit breakers are optional.

With a **160kA per phase** surge rating, the SP160 is well suited for a wide range of high exposure locations. Applications include service entrance and distribution switchgear, branch and subpanels, equipment disconnects, Motor Control Centers (MCC), lighting panels, HVAC, and much more

SP160 SPECIFICATIONS COMMON TO ALL VOLTAGES

Max Discharge Current, I _{max}	160kA 8/20μs per phase (I _{max})
Nominal Discharge Current, I _n	20kA 8/20μs / mode
Protection Modes	ALL MODES
Short Circuit Current Rating	200kAIC
Status / Alarm	1 Green LED status indication per phase / AUDIBLE ALARM
Dimensions	107 x 75 x 83 mm, (4.2”h x 2.93”d x 3.25”w inches)
Enclosure / Rating	Polycarbonate / NEMA 4X / UL 50E, Type 4
Connection	457 mm (18” of # 10 AWG) flying leads
Mounting	3/4” straight nipple.
Approvals	UL® 1449 LISTED EDITION 5.0 (TYPE 1)
Complies With	ANSI/IEEE: C62.41.2 -2002, C62.41.1-2002, C62.45-2002
Temperature	- 40 to 185 F
Unit Weight	1.16 lb
Recessed Wall	Optional Flush Mounting Plate for Drywall
Warranty	10 Years Limited Free Replacement

SP160 SINGLE PHASE MODELS

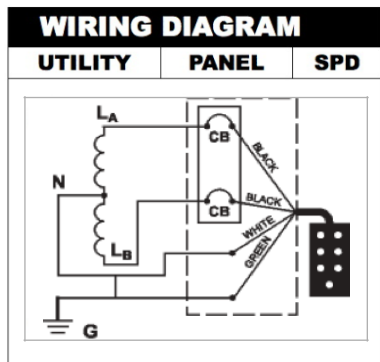
Model	SP1601	SP1602	SP160S12
Nominal System Voltage, Un	120V	240V or 277V	120/240 V
Distribution System	1 phase 2W+G	1 Phase 2W+G	Split phase 3W+G
MCOV	180VAC	350VAC	180/360 VAC
VPR Voltage Protection Rating L-N	L-N 700V	L-N 1200V	L-L 1200 V
VPR Voltage Protection Rating L-G	L-G 700V	L-G 1000 V	L-N 700 V
VPR Voltage Protection Rating N-G	N-G 600V	N-G 1000 V	L-G 700 V

SP160 SPECIFICATIONS MULTI PHASE

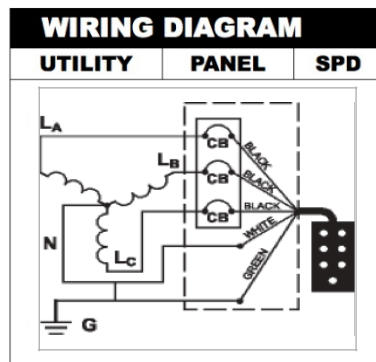
Model	SP160S12	SP160Y12	SP160Y24
Nominal System Voltage, Un	120/240 V	120/208 V	277/480 V
Distribution System	Split phase 3W+G	3 Ph Y 4W+G	3 Ph Y 4W+G
MCOV	180/360 VAC	150/300 VAC	350/700 VAC
VPR Voltage Protection Rating L-L	L-L 1200 V	L-L 1000 V	L-N 1200 V
VPR Voltage Protection Rating L-N	L-N 700 V	L-N 600 V	L-G 1000 V
VPR Voltage Protection Rating L-G	L-G 700 V	L-G 700 V	N-G 1000 V

SP160 SPECIFICATIONS 3 PHASE DELTA

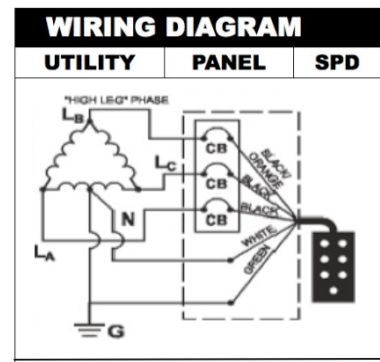
Model	SP160D2	SP160D12	SP160D4
Nominal System Voltage, Un	240v	120/240v HiLeg Delta	480 V
Distribution System	3 Ph Delta, 3W +G	3 Ph Delta, 4W +G	3 Ph Delta 3W+G
MCOV	275 VAC	150/275 VAC	550 VAC
VPR Voltage Protection Rating L-N	L-L 1500 V	L-N 1200 V / 1500 V	L-L 3000 V
VPR Voltage Protection Rating L-G	L-G 900 V	L-G 800V / 900 V	L-G 1500 V
VPR Voltage Protection Rating N-G		N-G 700 V	



S120/240V 3w+G



Y120/208V 4w+G.



D120/240V hllleg 4w+G