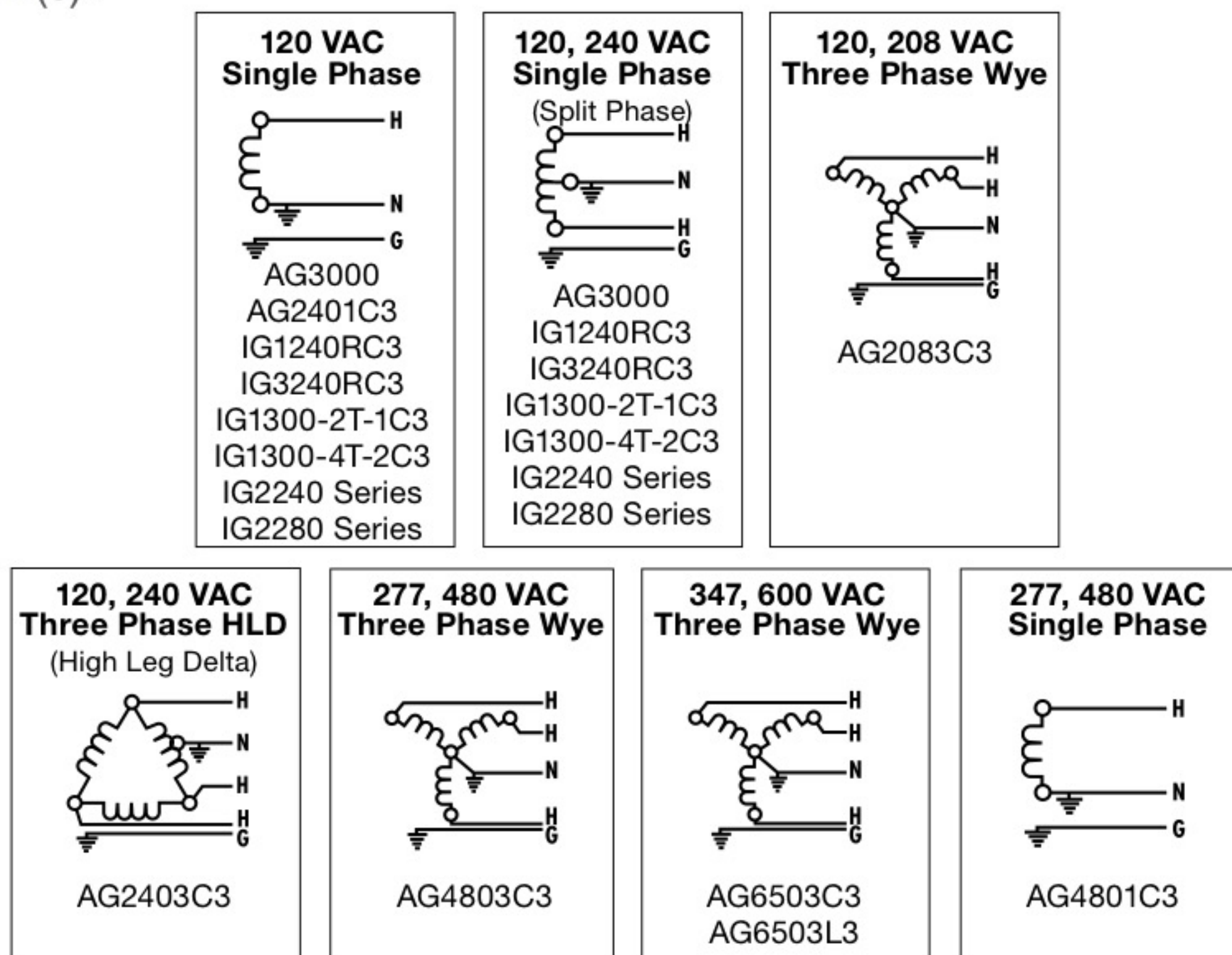


Common Voltage Configurations

The wiring diagrams below illustrate the common voltage configurations for Intermatic surge products. Locate the desired voltage configuration and surge protector part number, and then go to the applicable product page to order the desired item(s).



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.

Surge Glossary

Maximum Continuous Operating Voltage (MCOV): The maximum RMS voltage that may be applied to each mode of a surge protection device. (Listed on the product)

Modes Of Protection: Electrical paths within a system which an SPD offers defense against surge events. Examples of protection include, Line to Neutral (L-N), Line to Ground (L-G), Line to Line (L-L) and Neutral to Ground (N-G). (Listed on the product)

Nominal Discharge Current (In): Peak value of the current through the SPD having a current wave shape of 8/20 where the SPD remains functional after 15 surges. (Listed on the product)

Nominal System Voltage: The voltage level at which a system normally operates. Nominal system voltages include, but are not limited to, 120, 208, 240, 277, 347, 480, 600 VAC. (Listed on the product)

Short Circuit Current Rating (SCCR): The measurement of how much current the electrical system can supply during a fault condition. This value determines where an SPD may be installed. (Listed on the product)

Surge: A sudden and sharp increase of current or voltage within electric circuits.

Surge Protective Device (SPD): A device used to limit a surge on equipment by diverting or limiting it. SPDs were previously known as Transient Voltage Surge Suppressors or secondary surge arresters.

Voltage Protection Rating (VPR): The value assigned by UL which specifies the measured limited voltage value of the SPD. VPR rating is formally known as the "suppressed voltage rating". (Listed on the product)

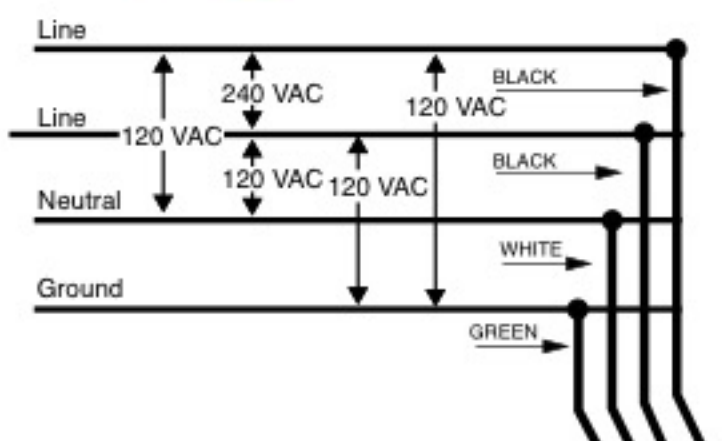
Surge Protection

Type 2 SPD - Includes Telephone and Coax Line

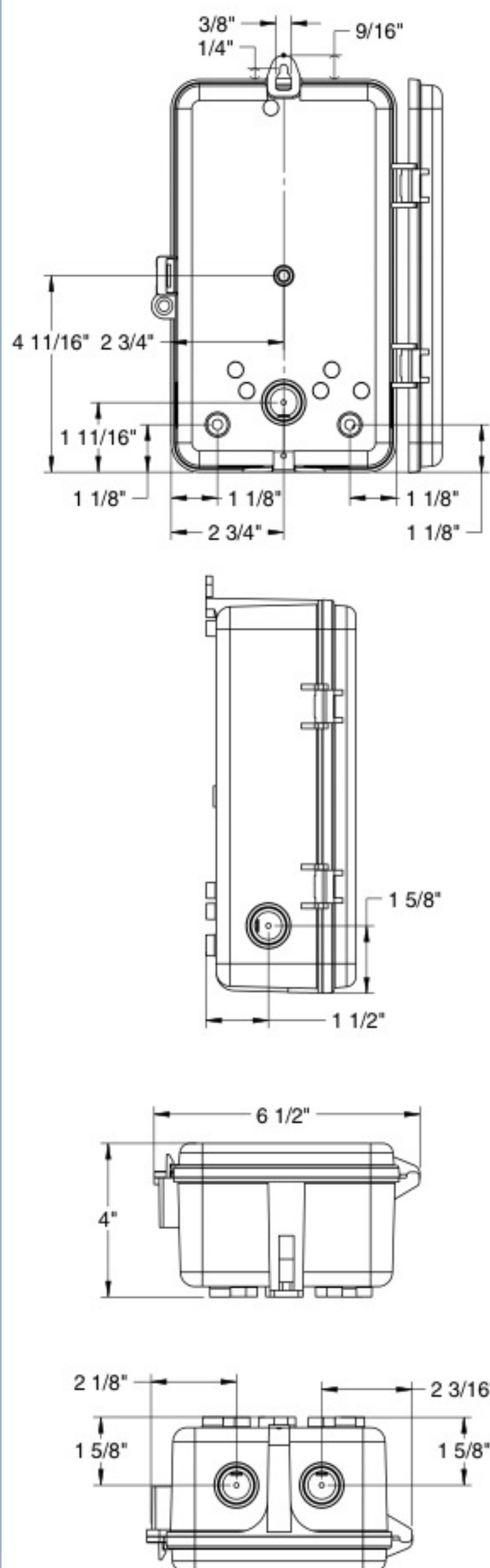


IG1300-2T-1C3

Wiring Diagrams



Dimensions



Type 2 SPD Panel Guard

IG1300 Series

The IG1300 Series provides protection for telephone and coax lines in addition to AC Power. 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. A green LED indicator provides status of protection. The IG1300 Series Surge Protective Devices are designed for Type 2 applications for installations after service entrances. CSA certified to ANSI/UL 1449, 3rd edition, UL 497A for phone line, and UL 497B for coax cable.

Applications

- Residential • Light Commercial

Features

- Six modes of protection for AC SPD
- TPMOV® surge protection technology for AC SPD
- Green LED indicator provides status of protection
- Provides telephone (analog phone line, modem, or DSL) and coax line protection (cable TV, cable Internet, or Satellite TV)
- Type 3R plastic rainproof enclosure for indoor/outdoor installations
- UL 497A is for telephone protection
- UL 497B is for coax protection
- 5-year product warranty
- \$10,000 connected equipment warranty for 5 years on appliances and electronics



Ratings	
Service Voltage	120/240 VAC, 50-60 Hz
Phase	Single
SPD Type	2
Modes of Protection	6 (L1-N, L2-N, L1-G, L2-G, N-G, L1-L2)
In (kA)*	20
SCCR (kA)**	50
Surge Protection Technology	TPMOV® (AC only)
Operating Temperature	-31° F to 185° F (-35° C to 85° C)
# of Leads / Length	4 / 24"
Lead Gauge	#12 AWG
Dimensions H x W x D	6 1/2" x 4" x 10" (165 mm x 102 mm x 254 mm)
Product Warranty	5-year
Connected Equipment Warranty	5-year/\$10,000

*Nominal Discharge Current

**Short Circuit Current Rating

Model #	Enclosure	No. of Telephone Lines Protected	No. of Coax Lines Protected	MCOV†	VPR‡
IG1300-2T-1C3	Type 3R Plastic	2	1	L-N, N-G 150	L-L, L-G 1200
IG1300-4T-2C3		4	2	L-L, L-G 300	L-N, N-G 700

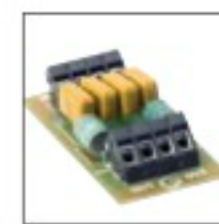
†Maximum Continuous Operating Voltage

‡Voltage Protection Rating

Accessories

Spare telephone/modem/DSL Internet protection module for IG1300-2T-1C3

IG2T



IG2T