

# P Series

## Surge Protective Device

Designed for **RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS**, the P Series provides protection in single, split or three phase configurations.

### Features

- Maximum Surge Current Rating 50kA per Mode, 50kA per Phase
- UL 1449 Listed
- 20kA Nominal Discharge Current Rating ( $I_n$ )
- 200kA SCCR
- NEMA 4X



### Product Specifications

#### General Specifications

Maximum Surge Current Rating	50kA per Mode, 50kA per Phase
UL 1449 Type Designation	Type 1
UL 1449 Nominal Discharge Current Rating ( $I_n$ )	20kA
UL 1449 Short Circuit Current Rating (SCCR)	200kA

#### Design Specifications

Custom MOV design for High Energy Handling in IEEE Category C locations
Thermally Protected MOVs
External Parallel Connected for Mounting next to Electrical Gear
Multi-mode protection

#### Diagnostic & Status Monitoring Specifications

LED Protection Status Monitoring
Audible Alarm
Form C Dry Contacts, 240V, 2A
Phase Loss Monitoring
Stacked MOV design for High Energy Handling

#### Enclosure

Polycarbonate
NEMA 4X
3/4 inch NPT Side Mount Nipple

#### Filtering

NO
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#### Physical Specifications

Humidity Range	0-95% non-condensing
Operating Frequency	50-60Hz
Operating Temperature	-31°F (-35°C) to 185°F (+85°C)
Typical Connection	#12 AWG Type TEW

#### UL 1449 Performance Data

System Voltage	Voltage Protection Rating (VPR)				Maximum Continuous Operating Voltage (MCOV)
	L-N	L-G	N-G	L-L	
120/240 VAC/CA SPLIT PHASE	700V	1200V	600V	1200V	180V/360V*
208Y/120 VAC/CA 3 PHASE WYE	600V	1000V	600V	1000V	150V/300V*
480Y/277 VAC/CA 3 PHASE WYE	1200V	2500V	1000V	2000V	350V/700V*

\*Second voltage refers to L-L rating

#### Standards Compliance & Certifications

UL 1449 5th Edition: 2021, cULus, (UL File: VZCA.E317603), UL 96A Compliant, ANSI/IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002, NEC Article 285
ISO 9001:2014 Quality Management System, ISO 17025:2007 Laboratory Certification (UL DAP Program) Compliance with RoHS, REACH & California Prop 65
100% Quality Tested prior to shipping, Country of Origin: Greece

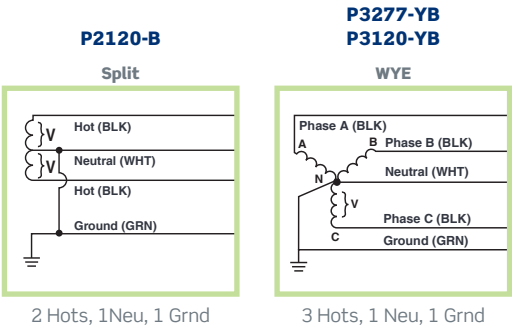
Ordering Information

P2120-B	120/240 VAC/CA, SPLIT PHASE
P3120-YB	208Y/120 VAC/CA, THREE PHASE WYE
P3277-YB	480Y/277 VAC/CA, THREE PHASE WYE

Accessories for Flush Mount Applications

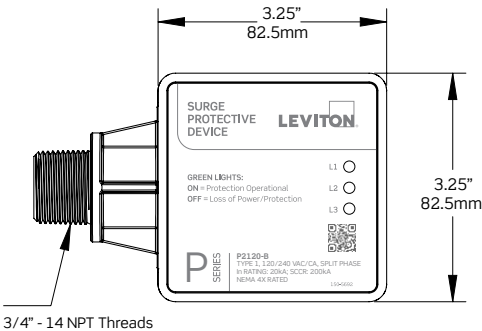
PSURG-FLG	P SERIES FLUSH MOUNT FLANGE - POLYCARBONATE
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Wiring Configurations



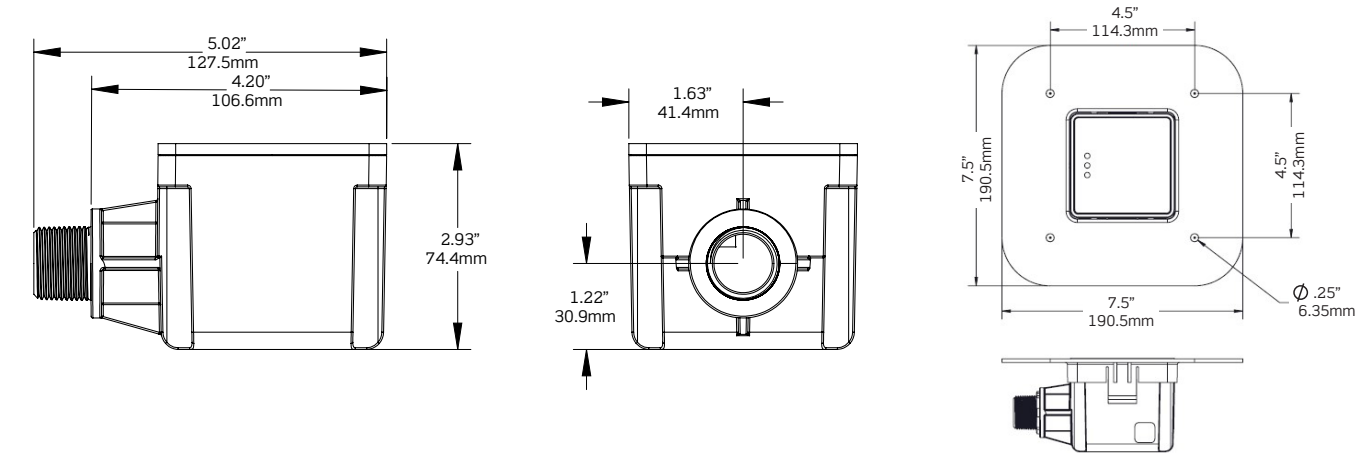
Architectural Drawings (Dimensions)

P SERIES



Size and Mechanical Specifications	
Dimensions	5.02" x 2.93" x 3.25"
Enclosure Type	Polycarbonate NEMA 4X
Installation Type	Indoor / Outdoor

FLUSH MOUNT FLANGE



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