

R Series

Surge Protective Device

Designed for **RESIDENTIAL APPLICATIONS**, the R Series is compact in size and easy to install.

Features

- Maximum Surge Current Rating
36kA per Mode, 36kA per Phase
- UL 1449 Listed
- 10kA Nominal Discharge Current Rating (I_n)
- 200kA SCCR
- NEMA 4X



Product Specifications

General Specifications

Maximum Surge Current Rating	36kA per Mode, 36kA per Phase
UL 1449 Type Designation	Type 1
UL 1449 Nominal Discharge Current Rating (I_n)	10kA
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
Two-mode protection (L1-N, L2-N)

Diagnostic & Status Monitoring Specifications

LED Protection Status Monitoring

Enclosure

Polycarbonate
NEMA 4X
1/2 inch NPT Side Mount Nipple

Filtering

NO

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	#14 AWG Type TEW

UL 1449 Performance Data

System Voltage	Voltage Protection Rating (VPR)		Maximum Continuous Operating Voltage (MCOV)
	L-N	L-L	
120/240 VAC/CA SPLIT PHASE	700V	1200V	180V/360V*

*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

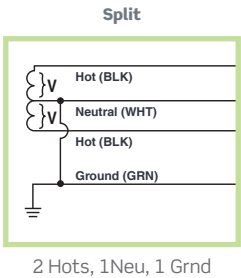
Ordering Information

R2120-B 120/240 VAC/CA, SPLIT PHASE

Accessories for Flush Mount Applications

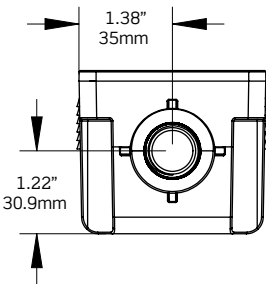
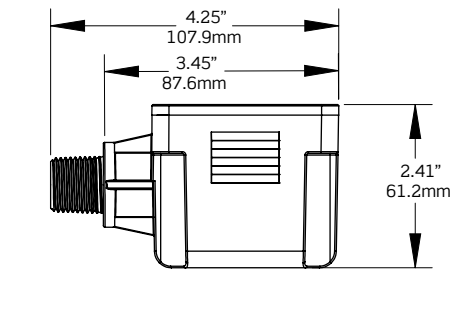
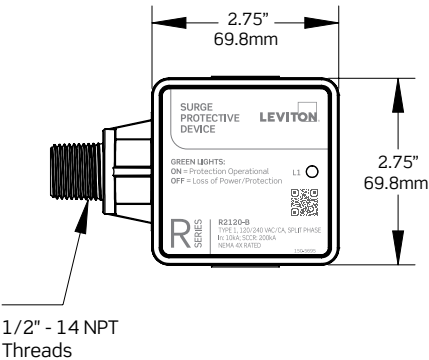
RSURG-FLG R SERIES FLUSH MOUNT FLANGE - POLYCARBONATE

Wiring Configurations



Architectural Drawings (Dimensions)

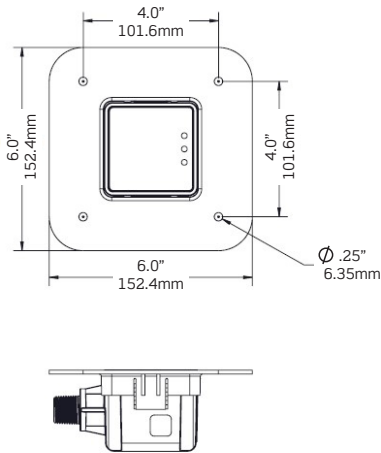
R SERIES



Size and Mechanical Specifications

Dimensions	4.25" x 2.41" x 2.75"
Enclosure Type	Polycarbonate NEMA 4X
Installation Type	Indoor / Outdoor

FLUSH MOUNT FLANGE



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Q-1481A

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