

R2120-B



UPC Code : 07847758301

Type 1 Surge Protective Device, 120/240 VAC, Split Phase

R Series Type 1 Surge Panel, 120/240 VAC, Split Phase, Max Surge Current Rating of 18kA per Mode/36kA per Phase, 200kA Short Circuit Current Rating (SCCR), 10kA I-nominal (I_n) Rating, NEMA 4X Rated Enclosure, Thermally Protected MOVs, VPR Performance Data = L-N: 700, L-L: 1200, Maximum Continuous Operating Voltage (MCOV): 180/360V, Plastic Enclosure, LED Status Monitoring, UL 1449 Listed, White

- Leviton surge protective devices (SPDs) divert damaging voltage transients, or surges, away from electronic equipment
- Designed for RESIDENTIAL APPLICATIONS, the R Series is compact in size and easy to install
- Code Compliant – in 2020, Article 230.67 of the National Electrical Code® (NEC) updates required all services supplying dwelling units to be provided with a surge protective device (SPD), as an integral part of equipment or located immediately adjacent. **The SPD must be a Type 1 or Type 2 SPD.** The 2023 code expanded the requirements to dormitory units, guest rooms and guest suites of hotels and motels, and areas of nursing homes and limited-care facilities used exclusively as patient sleeping rooms

Leviton's R Series features a \$25K Connected Equipment Warranty – [click here](#) for more information

Technical Information

Electrical Specification

Connection Type : #14 AWG

Frequency : 50/60Hz

MCOV : 180V

Maximum Surge Current, Per Mode (Per Phase) : 18kA, (36kA)

Recommended Circuit Breaker Rating : 20A

Short Circuit Current Rating : 200kA

Surge Technology : Thermally Protected MOVs

Type : 1

Voltage Configuration : 120 /240V AC/CA Split Phase

Environmental Specifications

Humidity Range : 0 to 95% Non-Condensing

Enclosure

Color : Gray

Connector : 1/2" NPT Side Mount Nipple

Dimensions : 4.25" x 2.41" x 2.75"

Enclosure Material : Polycarbonate

Mount : Surface

NEMA Rating : NEMA 4X

Performance Data

Nominal Discharge Current Rating : 10kA

Storage Temperature : -49°F to 140°F (-45°C to 60°C)

Protection Modes : Reduced Mode of Protection (L1-N, L2-N)

Remote Monitoring : No

VPR L-L : 1200V

VPR L-N : 700V

Product Features

Disconnect Switch : No

Filtering : No

Replaceable Modules : No

Series : R Series

Surge Counter : No

Standards, Certifications & Compliance

ANSI/IEEE : C-62.41.1-2002, C-62.41.2-2002 C-62.45-2002

CSA : CSA C22.2 No. 269.1-17, 2017-02

California Prop 65 : Compliant

National Electric Code (NEC) : 285

Reach : Compliant

RoHS : Compliant

UL : 1449 5th Edition: 2021, cULus

Warranty

Warranty : 5-Year Limited

Features and Benefits

Max Surge Current Rating (Surge Capacity)

- The maximum amount of current the device is capable of diverting to ground during a single surge event without performance degradation of more than 10%
- Higher values are better

Nominal Discharge Current Rating (I_n)

- The amount of current the device can divert to ground 15 times under specific test conditions and maintain performance levels
- Higher values are better

Voltage Protection Rating (VPR)

- The maximum voltage a surge protector will let through to connected devices
- Lower values are better

Short Circuit Current Rating (SCCR)

- The maximum current a device or system can safely withstand for a specified time, or until a specified fuse or circuit breaker opens and clears the circuit

Maximum Continuous Operating Voltage (MCOV)

- Maximum line voltage (or V rms) that may be applied to the SPD without damaging the MOV
- A lower MCOV rating allows for a lower VPR, but decreases the life of an MOV

Modes of Protection

- A mode is a path that has an SPD component between two electrical points
- More modes is better
- 7-Mode example:
 - L1-N, L2-N, L3-N, L1-G, L2-G, L3-G, N-G

Patents *

N_A

This list is provided for patent marking purposes only. A good faith effort is made to maintain the accuracy and completeness of this list. No legal inference should be drawn from the omission of a patent from this list.

SPECIFICATION SUBMITTAL

JOB NAME: <input type="text"/>	CATALOG NUMBERS: <input type="text"/> <input type="text"/>	
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