

RCHW HARDWIRED

(Surge Suppressors)

UL Listed Secondary Surge Arrestors

Models: RCHW-120S0-L1 & L2

And

UL Listed TVSS Devices

Model: RCHW-120SP-L2

The **RCHW** hardwired surge protective devices are specifically designed for applications in residential, commercial and light industrial environments. These units provide superior control over transients by delivering low clamping voltages combined with high surge energy (40kA or 80kA/mode) handling capability.

All **RCHW** hardwired models are UL and CUL listed as either secondary surge arrestors or 1449 TVSS devices. They provide an excellent application alternative to meter-based protectors, making them an ideal product for inclusion in Utility Power Quality Programs.



Coordinated 200kAIC
 Rated Fusing

PRODUCT APPLICATION

- ❑ *First Stage Surge Protection (Residential & Light Commercial/Industrial)*
- ❑ *For Category C (Service Entrance) Applications*
- ❑ *Designed For 400Amp AC Service*
- ❑ *Ideal Protection For AC Motor Driven Applications*
- ❑ *Interior Or Exterior Installation*
- ❑ *Configured For 120/240 Volt Split Phase Installation*
- ❑ *Excellent Alternative To Meter-Based Protection*

PRODUCT FEATURES

- ◆ **UL Listed: Secondary Surge Suppressor & TVSS**
- ◆ **Red 1000 MCD LEDs, Visible In Bright Sunlight, Monitor Protection Status**
- ◆ **10 Year Warranty**
- ◆ **High Energy Withstand (40kA or 80kA/Per Phase Leg, Depending On Model)**
- ◆ **High MCOV**
- ◆ **Coordinated 200kAIC Safety & Thermal Fusing**
- ◆ **Solid State 40mm MOV Suppression Components**
- ◆ **UL Listed Heavy Duty Metallic Enclosure**

PRODUCT SPECIFICATIONS

Electrical:

Applied Voltage: 120/240vac

- **MCOV:** 132 Volts, phase to ground, 150 Volt MCOV component used.
- **Protects:** Each phase to neutral/ground
- **Surge Current Rating:** -L1=40kA per leg, 80kA total
 -L2=80kA per leg, 160kA total
 (based upon 8/20µs waveform)80kA per phase
- **Clamp Voltage:** 400 Volts, (L-G) UL 1449, 2nd Edition
- **Fault Current:** 200kA rms symmetrical
- **TVSS Unit:** Has, per UL 1449 2nd Edition, 2 black(phase) wires, 1 white (neutral) wire & 1 green (ground) wire with clamp voltage ratings of: L-N 400V, L-G 400V, N-G 800V and L-L 800V.

Mechanical:

- **Weight:** 2.5 pounds (unpackaged)
- **Dimensions:** 6" x 4.25" x 2.9"
- **Lead Length Of Wires:** 18"
- **Enclosure:** Meets NEMA 1, 2, 3, 4, 12 and 13 ratings
- **End Caps:** Polycarbonate
- **Color:** Mill finish aluminum or anodized



Meter-Treater, Inc.

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