

Residential Hardwire Surge Protective Device

UTILITY APPLICATIONS

RCHW/SO SERIES

The **RCHW/SO** 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 (50kA/mode) handling capability.

All **RCHW/SO** hardwired models are Listed to ANSI/UL 1449 3rd Edition. They provide an excellent application alternative to meter-based protectors, making the RCHW/SO an ideal product for inclusion in Utility Power Quality Programs.

The **RCHW/SO** comes standard in a mill finished aluminum enclosure with Zytel plastic end caps. Polycarbonate (NEMA 4X) enclosures are available for harsh, corrosive environments.



Product Specifications

Max Surge Current	50kA or 100kA per leg
Short Circuit Current	100kA RMS Symmetrical Amps
Service Voltage	120/240 Volt, Split Phase
MCOV	150 Volt Phase to Ground
Clamp Voltage	600 Volts L-G (3rd Ed.), 400 Volts L-G (2nd Ed.)
Fusing	Coordinated Surge & Thermal
Housing Rating	NEMA 1, 2, 3, 3X, 4X, 12 & 13
Diagnostics	LED
Weight	2.5 lbs.
Dimensions	7.75" L x 3.75" W x 2.875" H - Aluminum 7" L x 3.1" W x 1.4" H - Polycarbonate
Safety Standards	ANSI/UL 1449 3rd Edition
I_n	20kA
Warranty	15 Year Warranty (Residential)

Material Specifications

- Wire Lead Length: 36 inches is standard
- Enclosures:
 - Mill finished Aluminum with Zytel Plastic End Caps (UL 94-5V Flame Rated) - Standard
 - NEMA 4X Polycarbonate - Optional

Model Number	Service Voltage	Surge Rating	VPR		
			L-N	L-G	N-G
RCHW-120SO-L1-#	120/240 Volt, Split Phase (3 Wires)	50kA	600V	600V	600V
RCHW-120SO-L2-#	120/240 Volt, Split Phase (3 Wires)	100kA	600V	600V	600V

Enclosure Options: Replace # with A for Aluminum or with P for Polycarbonate



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