

Commercial/Light Industrial Hardwire Surge Protective Device

RCHW/POL SERIES

The RCHW/POL Series provides high-energy surge protection and optional RF filtering for Residential, Commercial, Industrial and Remote Site applications. These hardwired units provide superior control over transients by delivering low clamping voltages combined with high surge energy handling capabilities. All RCHW models are ETL Listed for use as either a Type 1 or Type 2 UL 1449 3rd edition SPD devices. They are configured for quick and easy parallel installation.

Superior energy handling capabilities of the RCHW/POL Series is due to the utilization of large diameter MOV technology. The unique design and construction of the Series allows them to deliver low clamping voltages while safely dealing with large surge currents.

The RCHW/POL Series is available for all service voltages and phase configurations and can be equipped with several specialized diagnostic options. All Models have a 100kA rms symmetrical fault current rating suitable for all IEEE category C locations and are available with surge ratings of 50kA to 100kA per phase.



Product Specifications

Max Surge Current	50kA to 100kA per phase
Short Circuit Current*	100kA RMS Symmetrical Amps
Fusing	Coordinated Surge & Thermal
Housing Rating	NEMA 4X
Diagnostics	LED
Safety Standards	UL 1449 3rd Ed. (Sept. 2009)
I _n *	20kA

*Required by UL 1449 3rd Edition

Material Specifications

- Wire Lead Length: 36 inches is standard
- Enclosures:
 - NEMA 4X Non-Metallic - Standard
 - Mill finished Aluminum - Optional

Dimensions	Weight
3.5"H x 3.5"W x 7.5"L	1.75 lbs

MODEL NUMBER

SERVICE VOLTAGE

MCOV

RCHW100/120-10-#-1/4X	120 Volt Single Ø	150Vac
RCHW100/120-SP-#-1/4X	120/240 Volt Split Ø	150Vac
RCHW100/120-3W-#-1/POL	120/208 Volt 3Ø Wye	150Vac
RCHW100/120-3H-0-1/POL	120/240 Volt 3Ø Delta	150/320Vac
RCHW100/240-3D-0-1/POL	240 Volt 3Ø Delta	320Vac
RCHW100/220-3W-#-1/POL	220/380 Volt 3Ø Wye	320Vac
RCHW100/230-3W-#-1/POL	230/400 Volt 3Ø Wye	320Vac
RCHW100/240-3W-#-1/POL	240/415 Volt 3Ø Wye	320Vac
RCHW100/277-3W-#-1/POL	277/480 Volt 3Ø Wye	320Vac
RCHW100/480-3D-0-1/POL	480 Volt 3Ø Delta	520Vac

VPR

L-N	L-G	N-G	L-L
600V	600V	600V	N/A
600V	600V	600V	1200V
600V	600V	600V	1200V
600/1000V	600/1000V	600V	1200/1800V
N/A	1000V	N/A	2000V
1000V	1000V	1000V	2000V
1000V	1000V	1000V	2000V
1000V	1000V	1000V	2000V
N/A	1800V	N/A	4000V

NOTES: 1. Remove POL from the end of the Model Number for the optional Aluminum Housing.

Additional Enclosures Available. Models also available for 50kA Surge Rating. Contact Factory for a complete list.



Meter-Treater, Inc.

1349 South Killian Drive, Lake Park, Florida, 33403

Tel: Main (561) 845-2007
Sales (800) 638-3788
Fax: (561) 848-2372
E-Mail: sales@metertreater.com
Web: www.metertreater.com