

# RECTORSEAL

A CSW Industrials Company

## INSTALLATION INSTRUCTIONS

**RSH™ 50 PDB 30F**

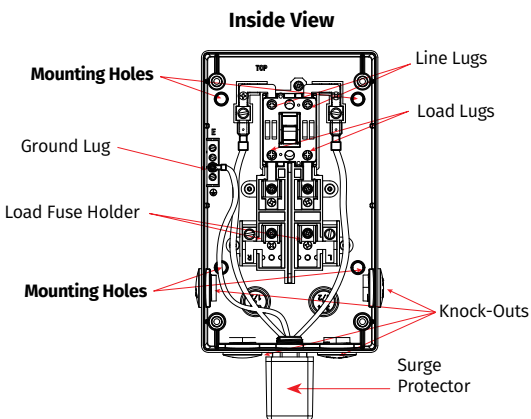
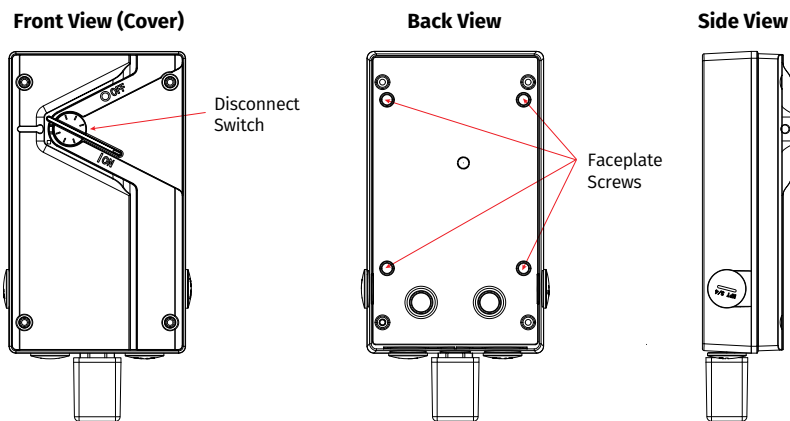
RSH-50 Surge Protection Device with 30AMP Fused Plastic Disconnect Box 120/240 VAC, 60A

PRODUCT CODE **96431**



### Application

The RSH-50 is a UL 1449 certified Type 1 surge protective device with a maximum surge current rating of 50kA and a Lifetime product replacement warranty. The enclosure is rated NEM4X offering the highest level of protection from extreme weather events.



**WARNING: Turn off power to the circuit breaker before installing disconnect switch.**

#### 1. Open Disconnect

Make sure outside disconnect switch is in the OFF position. Open the disconnect switch enclosure by loosening the top and bottom screws on the faceplate. Confirm inside switch is in the OFF position (up).

#### 2. Wiring The Disconnect

Remove 3/4" threaded knockouts. Use 1/2" reducers (included) if necessary. Feed the LINE wires and the LOAD wires through appropriate knockouts. Connect the LINE wires to terminals 1 and 2 and the LOAD wires to terminals 3 and 4. NOTE: Always use water-tight connectors. Confirm all connections are secure.

#### 3. Installing The Disconnect

Pre-drilled holes on the back of the box allows mounting the unit to the wall. Provide proper size fasteners to ensure secure mounting to the wall.

#### 4. Pre-Installed RSH-50 SPD

This unit includes a pre-installed surge protective device (SPD) to provide protection to your HVAC equipment. The surge protector is pre-wired securely to the LOAD terminals and properly grounded to the pre-installed GROUND terminal busbar.

#### 5. Fuses

Install proper sized fuse in the fuse holder to match the amperage of the equipment per NEC Code standards.

#### 6. Finish Installation

Replace lid, securely tighten top and bottom screws. Apply power by moving switch to the ON position. Confirm green LED of SPD is illuminated (protecting). Padlock switch in ON position if required.

**NOTICE: Failure to properly secure the cables may cause equipment damage due to overheating.**

This table provides required torque values for ALL wiring inside the disconnect box.

### LUG SPECIFICATIONS (60/75°C AL-CU WIRE)

WIRE SIZE (AWG)				CONNECTOR TORQUE (LB-IN)	
Line/Load		Equipment Ground		Line/Load	Equipment Ground
CU	AL	CU	AL		
14-10	-	14	-	35	25
8-6	8-6	8	8	45	40
4-2	4-2	8	8	50	40

Para instrucciones en español visite [www.rectorseal.com](http://www.rectorseal.com)

**Technical Support Call 1-800-231-3345**

All surge protection devices require a good ground connection for effective operation



RSH-50 Surge Protection Device with 30AMP  
**Fused** Plastic Disconnect Box 120/240 VAC, 60A

WARRANTY INFORMATION  
& SAFETY NOTICE

Coverage for the RSH-50 Surge Protective Device (SPD) for Single-Phase System



Scan the QR code to learn more  
about this product's warranty

 **WARNING**

**Voltage or current hazard, follow these instructions or it could result in serious bodily injury or death.**  
Most electric product-related incidents are caused by failure to observe basic safety rules or precautions.  
RectorSeal cannot anticipate every possible circumstance that might involve a potential hazard.



**Requirement**

Installation **MUST** be completed by a qualified licensed tradesman in the field of electrical installation. This would include a thorough understanding of the requirements of NFPA 70: National Electrical Code® and all local codes.

**Installation Process**

The Installation must conform to these instructions and the local code authority having jurisdiction and the requirements of the power company. In the absence of code requirements, follow NFPA 70 (latest edition) National Electric Code.

The Code which may be ordered from: National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269.

	 <b>WARNING</b>
	Electric Shock Hazard!



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