RECTORSEAL

A CSW Industrials Company

# INSTALLATION INSTRUCTIONS

RSH™50DB

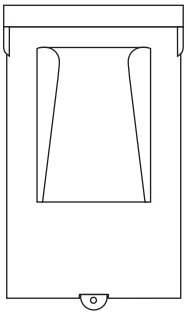
RSH-50 Surge Protection Device with **Fused** Disconnect Box 120/240 VAC, 30A

PRODUCT CODE **96417**

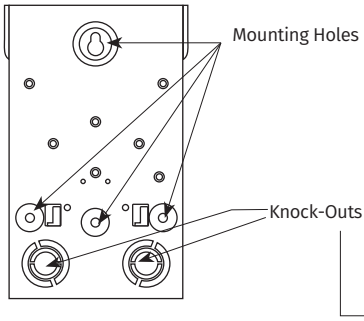
RoHS

c UL us LISTED Type 1 SPD 5ME8

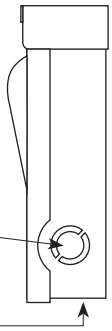
**Front View (Cover)**



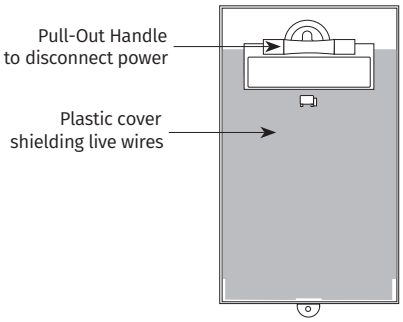
**Back View**



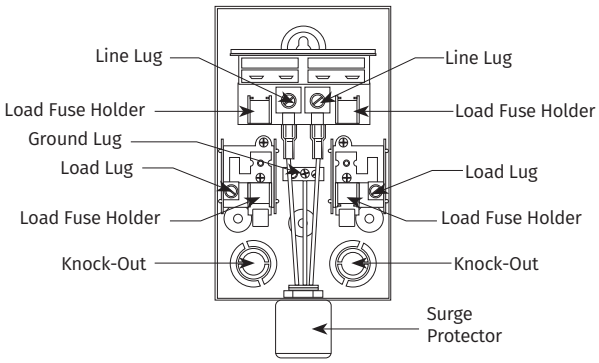

**Side View**



**Inside View**




**Inside View**




1. **OPEN LID**
   Lift lid and slide back into slot to keep open.
2. **PULL-OUT MECHANISM**
   Pull up on the handle to remove pull-out mechanism and then remove the plastic shielding cover.
3. **WIRING THE DISCONNECT**
   1/2", 3/4" and 1" knock-outs are provided on back, side and bottom of can to attach the proper size wiring connectors. Use a screwdriver and hammer to remove the exact number of knockouts needed for the installation. Secure the wiring to the box and protect it from sharp edges. If you are using a pre-made whip attached to the bottom of the can, use the knock-out to the left of the surge protector. This knock-out has a larger spacing to allow for the connector.
4. **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.
5. **INSTALLING WIRES INTO LUGS**
   The pre-installed surge protector wires are attached to flat tabs below the LINE lugs. Wire from the circuit breaker panel attaches to the LINE lugs. Wiring to the equipment attaches to the LOAD lugs next to lower fuse holder. Ground bar supplied for attaching the GROUND wires. Make sure the wire gauge meets any NEC Code standard for the amperage of the equipment.
6. **FUSES**
   Install proper sized fuse in the fuse holder to match the amperage of the equipment per NEC Code standards.
7. **FINISH INSTALLATION**
   Check all connections to make sure they are torqued properly before replacing front plastic shielding cover and then install the pull-out handle in the ON position. This handle MUST be pushed in as far as possible for proper installation.

***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 | | | |
| CU | AL | CU | AL | Line/Load | Equipment Ground |
| 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**

**Technical Support Call 1-800-648-6802**

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

RSH™50DB

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

WARRANTY INFORMATION
& SAFETY NOTICE

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

### Lifetime Product Warranty

PSP Products, Inc. ("Manufacturer") will, at its sole discretion, repair or replace any RSH-50 Surge Protection Device (SPD) that is defective or is damaged by an electrical surge (including those caused by lightning) for the lifetime of the product from the date of installation by the original owner or owner of record of the premises (User) at no cost to the User.

### Connected Equipment Warranty

Manufacturer will, at its sole discretion, for a period of 5 years from the date of installation, repair or replace heating, ventilation and air conditioning equipment that is damaged as a result of SPD failure during a surge event. Coverage is applicable only if the SPD (1) was fully functional immediately prior to the claim event; (2) was properly installed per the installation instructions; and (3) sustained surge damage as a result of the claim event.

Damage claims must be made within 14 days of the occurrence and the SPD returned to Manufacturer within 30 days of the occurrence with the original purchase receipts of the SPD. Returned SPDs require an RMA number and a completed Warranty Claim Form (contact Warranty Assistance for details), and the SPD must be determined to have failed based on Manufacturer's test procedures.

This coverage is secondary to any applicable warranties, service contracts and all other insurance. If the claim is found to be valid, Manufacturer will pay up to the deductible amount of the home owners insurance or the cost of the damage, whichever is less, subject to a $5000.00 limit per occurrence. All of the above items must be met in order to have a valid claim.

The above coverage applies to the User only and is the exclusive remedy under this warranty, whether based on contract, tort, including negligence, or otherwise. Manufacturer reserves the right to audit the damages, site and/or cost of repairs and may require a notarized proof of loss. This warranty does not cover damage associated with sustained over voltages, vandalism, theft, normal wear and tear, obsolescence, abuse, unauthorized modification or alteration, misuse, improper installation or catastrophic events including direct lightning hit.

Except as expressly provided by this warranty, Manufacturer disclaims liability for any incidental, indirect, special or consequential damages arising out of the sale or use of SPDs (including without limitation: lost business profits, loss of data and all freight, mileage, travel time and insurance charges associated with warranty coverage claims). Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state. *This warranty is valid in the United States and Canada only.*

Caution: Effective surge suppression requires correct wiring and all SPDs must be properly grounded for this warranty to be honored.
For Warranty Assistance call 800-648-6802 or (703) 368-8376 • PO Box 4108, Manassas, VA 20110

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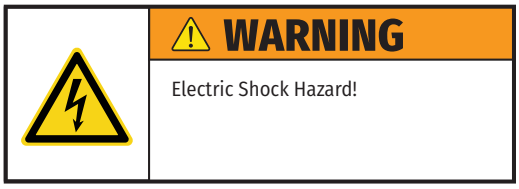
## ⚠ WARNING

**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 safely 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.

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**RectorSeal, LLC • 2601 Spenwick Drive, Houston, TX 77055, USA • 800-231-3345 • Fax 800-441-0051 • rectorseal.com**