RECTORSEAL

A CSW Industrials Company

INSTALLATION INSTRUCTIONS

RSH 50 VRM KIT

120/240 single Phase, 60 Amp Double Pole Capacity Relays (handles loads up to 60 Amps)

PRODUCT CODE **96421**

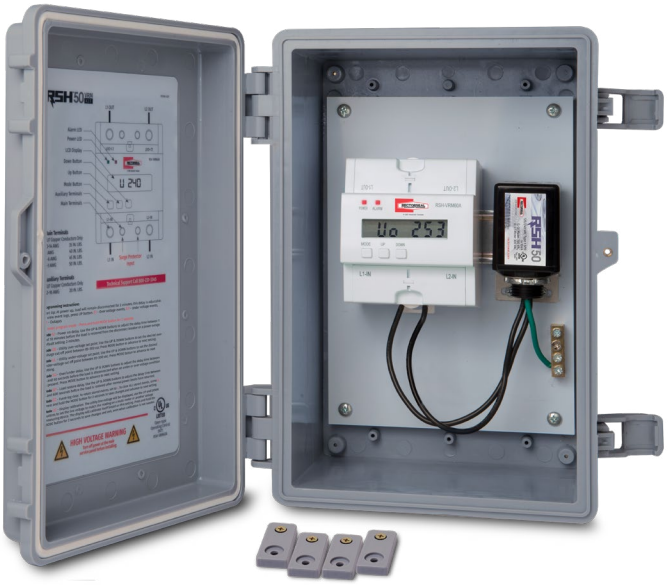
RoHS

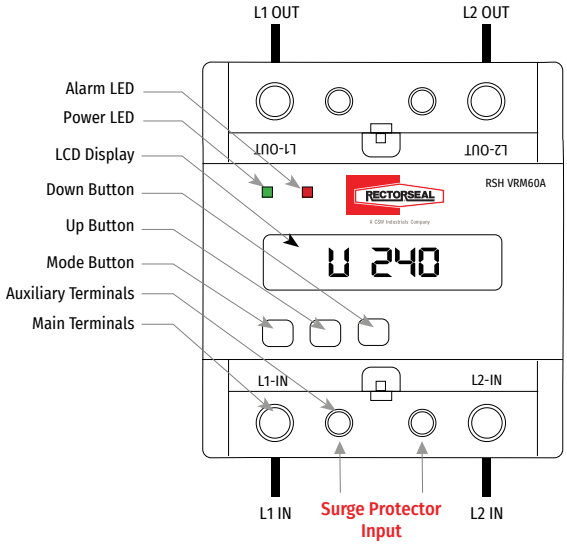
c UL us LISTED
Type 1 SPD
5ME8
RSH-50

c UL us LISTED
Open-type
Operating Control
5NT1
RSH VRM60A

c ETL us Intertek







Installation Instructions

1. Device must be installed in an enclosure suitable for the application and environment for which it is being used. Connected load shall not exceed 60 amps.
2. Confirm power is OFF prior to performing the installation.
3. Use the appropriate wire size and type based on the connected load and torque to the specified ratings.
4. Connect input and output connections, replace finger guard covers and then restore power.
5. Confirm power LED is illuminated and proceed to programming functions.
6. Optional mounting feet included to secure enclosure to wall or structure.

Programming Instructions

Start Up: At power up, load will remain disconnected for 2 minutes; this delay is adjustable. To view event logs, press UP button. E1 - Over voltage events, E2 - Under voltage events, E3 - Outages

To enter program mode - Press and hold MODE button for 2 seconds

Mode tU - Power on delay. Use the UP & DOWN buttons to adjust the delay time between 1 and 10 minutes before the load is restored from the disconnect breaker or a power outage. Default setting: 2 minutes.

Mode UO - Utility over-voltage set point. Use the UP & DOWN buttons to set the desired over-voltage cut off point between 85–300 vac. Press MODE button to advance to next setting.

Mode UL - Utility under-voltage set point. Use the UP & DOWN buttons to set the desired under-voltage cut off point between 85–300 vac. Press MODE button to advance to next setting.

Mode SU - Over/under delay. Use the UP & DOWN buttons to adjust the delay time between .5 and 60 seconds before the load is disconnected when an under or over voltage condition is present. Press MODE button to advance to next setting.

Mode SP - Load restore delay. Use the UP & DOWN buttons to adjust the delay time between 1 and 600 seconds before the load is restored after normal power levels have returned.

Mode EC - Event-log clear. To retain stored events, set to 1. To clear ALL stored events, set to 0. Press and hold the MODE button for 2 seconds to save changes and advance to next setting.

Mode UC - Display calibration. The utility line voltage will be displayed, use the UP and DOWN buttons to set the line voltage to match the reading on a multi-meter or another voltage measuring device. The display will calibrate itself based on this setting. Press and hold the MODE button for 2 seconds to save changes and exit, even when calibration is not needed.

Diagram

Main Terminals
CU7 Copper Conductors Only
10-14 AWG 35 IN. LBS.
8 AWG 40 IN. LBS.
4-6 AWG 45 IN. LBS.
2-3 AWG 50 IN. LBS

Auxiliary Terminals
CU7 Copper Conductors Only
12–16 AWG 20 IN. LBS.

Para instrucciones en español visite **www.rectorseal.com**

Technical Support Call 1-800-231-3345

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

RSH™50 VRM KIT

120/240 single Phase, 60 Amp Double Pole Capacity Relays (handles loads up to 60 Amps)

WARRANTY INFORMATION & SAFETY NOTICE

Coverage for the RSH-VRM60A Voltage Range Monitoring Device
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 safely rules or precautions. Rectorseal cannot anticipate every possible circumstance that might involve a potential hazard.



⚠ WARNING

Electric Shock 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. Maximum 60 amp branch circuit required by others.

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. Type 4x fittings are required.

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

LIMITED 3YR WARRANTY

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