CBSArcSafe®

Distance Is Safety®

A Group CBS Company

RSA-57E

For Square D MCCB - L/Q4 Frame
125-400A, Recessed Mounted, With Or Without Factory Lockout
Includes LA, LH, LY, Q4 Frames

Distance *is* Safety®

WHAT STANDS
BETWEEN YOU AND
ARC-FLASH DANGER?

WE DO.

2616 Sirius Road | Denton, TX 76208 | (877) 4-SAFETY | www.cbsarcsafe.com

Rev. 10/4/2018

RRS-1 – *Universal Remote Racking System (Rotary)*

The CBS ArcSafe® RRS-1 is a universal remote racking system capable of remotely installing and removing rotary style draw out circuit breakers without requiring any modification to the existing switchgear. Operation of the simple to use RRS-1 is quite intuitive and requires only minimal setup. When used properly, the RRS-1 allows technicians to remain outside of the arc flash boundary during the potentially dangerous racking operation.

RRS-2 – *Universal Remote Racking System (Non-Rotary)*

The CBS ArcSafe® RRS-2 is a universal remote racking system capable of remotely installing and removing non-rotary style draw out circuit breakers without requiring any modification to the existing switchgear. Operation of the simple to use RRS-2 is quite intuitive and requires only minimal setup. When used properly, the RRS-2 allows technicians to remain outside of the arc flash boundary during the potentially hazardous racking operation.

RRS-3 – *Application Specific Remote Racking System (Rotary And Non-Rotary)*

The CBS ArcSafe® RRS-3 product line is made up of various application specific remote breaker racking devices. Each standalone system allows service personnel to remotely install and remove a particular type of circuit breaker safely while stationed safely outside of the arc flash boundary during the potentially dangerous operation. The lightweight and compact design of the RRS-3 systems makes them ideal for hard to access areas where space is at a premium.

RRS-4 – *PLC Based Universal Remote Racking System (Rotary)*

The CBS ArcSafe® RRS-4 universal remote racking system is an updated PLC based version of the best selling RRS-1. The dual mode, source programmable, PLC based control system offers two different operating modes to choose from based on user preference or the application. The RRS-4 is capable of remotely installing and removing rotary style draw out circuit breakers without requiring any modification to the existing switchgear, allowing users to remain outside of the arc flash boundary during the potentially hazardous racking operation.

RSA – *Remote Switch Actuator*

The CBS ArcSafe® Remote Switch Actuator (RSA) product line is made up of various application specific remote operating devices. These products allow service personnel to remotely perform all aspects of an operation for a particular type of electrical equipment from outside the arc flash boundary – reducing or eliminating the possibility of serious injury or death resulting from an arc flash.

RSO – *Remote Switch Operator*

During a remote operation, the CBS ArcSafe® RSO functions as both the power supply and user interface for the device being remotely operated by the user. When paired with an applicable CBS ArcSafe® device, this portable standalone system allows service personnel to remotely perform a racking or switching procedure from outside the arc flash boundary – reducing or eliminating the possibility of injury or death resulting from an arc flash

1 Installation

1. Ensure that the breaker is free from any obstruction that may interfere with the proper installation of the RSA.

2. Place the over the switch, and verify the switch is between the forks of the RSA. When installing in the OFF position, the right roller should be touching the switch. See the Adjustments section for adjustment locations if it isn't touching the switch.

3. Verify the magnets are fully seated against the panel with no obstructions, and the locators are flush with the top and side edges of the breaker as shown below.
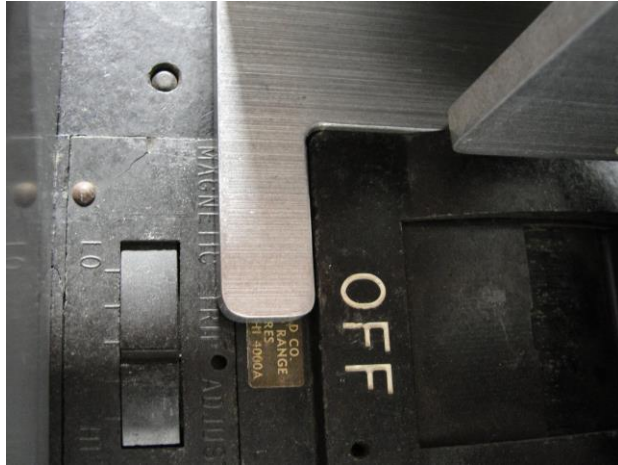
4. To attach the RSA to the breaker turn the handles of the two twist-lock magnets 180° clockwise. The RSA is now ready for remote operation

2 Operation

1. Ensure that the RSA is properly installed. See Section 3 for detailed instructions.
2. Plug the four-pin threaded cable from the RSO-I AR into the RSA.
3. Exit the arc flash boundary
4. Turn the power switch on the RSO-I AR to the ON position.
5. Ensure that the Auto Retract (AR) function is set according to the placard on the RSA. If not specified, the default is OFF.
6. If the breaker is ON and needs to be turned OFF then push and hold the TRIP button on the RSO-I until the breaker is tripped.
7. If the breaker is OFF and needs to be turned ON then push and hold the CLOSE button on the RSO-I until the breaker is closed.

CBS ArcSafe®

3 Adjustments

3.1 Depth Adjustment

To adjust the depth of the RSA-57G, loosen the two bolts on each side of the RSA and slide up or down until the RSA is seated flush against the cabinet. Be sure to retighten the bolts before operating.

3.2 Actuator Fork Adjustment

If the fixed fork on the RSA interferes with the breaker lockout, it can be moved out of the way.

1. Loosen the three bolts on the fixed fork, as indicated below.
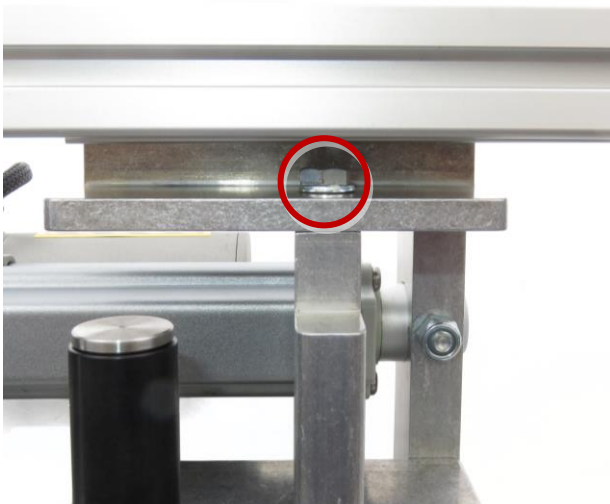
2. Install the RSA as described in the Installation section.
3. Slide the fork as required to clear the lockout adequately.
4. Re-tighten the bolts loosened during adjustment.

Notes

CBS **Arc** Safe®

CBS ArcSafe®

Distance Is Safety®

A Group CBS Company

RSA-57E
Installation and Operation

2616 Sirius Road
Denton, TX 76208
Tel: 877-4-SAFETY
Fax: 940-382-9435
Website: www.CBSArcSafe.com
Email: info@CBSArcSafe.com

DANGER!

Ensure that personnel using this equipment are adequately trained in the operation of the switchgear they are planning to work with; that they are correctly stationed outside the arc flash boundary; and that they comply with all applicable Federal, State, Local, and In-house safety regulations and procedures. Attention should be given to distance, angle, and personal protective equipment (PPE).