

Installation and Operation

CBS ArcSafe®

RSA-181

(For Square D AV Bolt Lock)



1.0 Installation

1.1 Installing the RSA-181 unit onto the breaker

DANGER!

**Ensure that the switchgear to be remotely operated matches the switchgear discussed on the first page. If the switchgear does not match, please contact CBS ArcSafe® for more information regarding remote switching applications for your particular model.*

Step 1: Ensure there are no obstructions around the handle operator for installation as seen in Figure 1.



Figure 1: Ensure clean area around the breaker handle operator

Step 2: Slide the RSA-181 unit over the handle operator as shown and ensure that the assembly sits flush with the panel. Look over Figure 2 for a visual instruction.

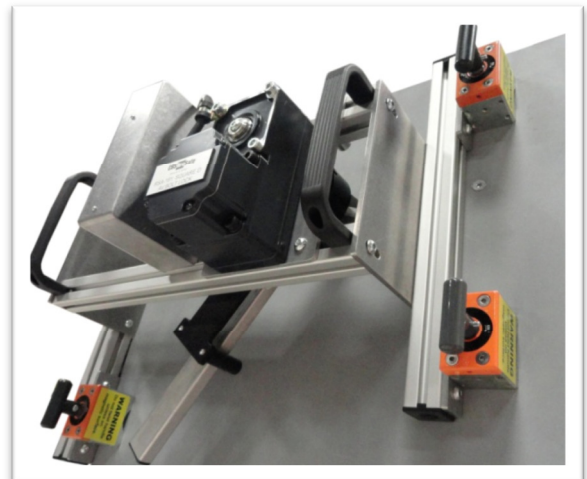


Figure 2: Slide the RSA-181 onto the handle operator as shown above

Step 6: Level the RSA-181 with the breaker by referencing the built on leveling tool (figure 3).



Figure 3: Use the built on leveler to ensure the RSA-181 is level with the breaker

Step 5: Engage the magnets located on the side of the RSA-181 (figure 4) to secure the device to the panel. Rotate clockwise to secure the magnet.

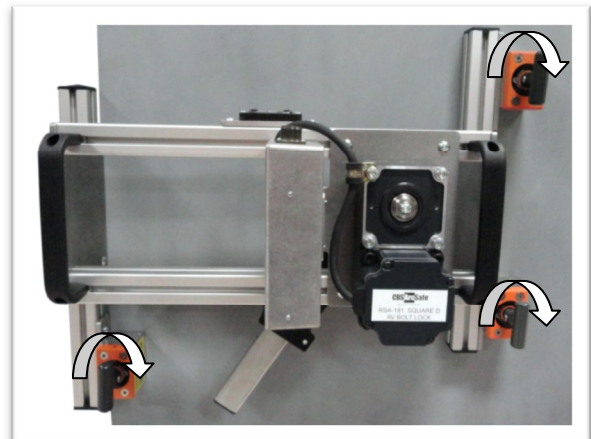


Figure 4: Rotate the magnet handles clockwise to secure the RSA-181 to the breaker

ATTENTION

The RSA-181 has been preset to first the needs of your breaker, however, if the breaker to be serviced requires the stops be moved, then follow the instructions given in step six. If relocating the stops is not required, skip step six.

Step 6: Adjusting the stops is not necessary as your RSA-181 has been preset to fit the needs of your breaker however if moving the stops is required, simply loosen the bolts shown in figure 5 and slide the stops to the needed location. Be sure to tighten the bolts back down once finished.



Figure 5: Loosen the bolt(s) indicated inside the stop(s) above to slide the stop(s) to the required location; after moving the stop(s) to the location needed, tighten the bolts back down to secure the stop(s) to the RSA-181

DANGER!

Ensure the bolts are tightened back down if they have been loosened to adjust the location of the stops. Failure to tighten the stops back down and secure them to the RSA-181 may cause damage and/or injury.

2.0 Opening/Closing the Breaker

Step 1: Open the RSO-I lid (figure 6) by disengaging the two latches on the front of the case.

Step 2: Connect four pin threaded style cable from the RSO-I to the RSA-181.



Figure 6: Inside the RSO-I

Step 3: Turn the power switch to the ON position. Figure 7 shows the RSO-I control panel.

Step 4: If equipped with the Radio Remote Pendant option, ensure that the green activation key is inserted into the slot on the remote.



Figure 7: RSO-I control panel

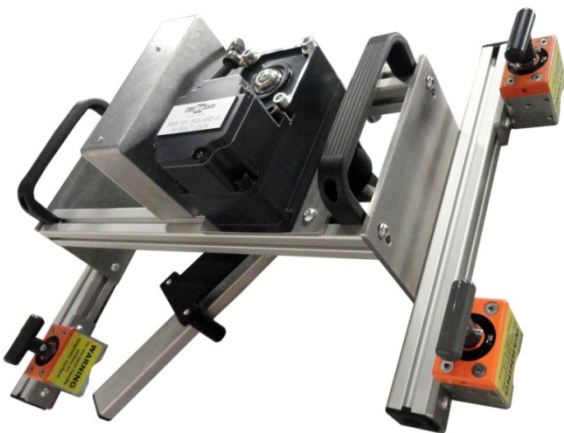
Step 5: Ensure that the unit is properly installed on the switchgear and connected to the RSO-I as previously described.

Step 6: To close, press “CLOSE”.

Step 7: To open, press “TRIP”

ATTENTION

Please ensure that either the batteries on the unit are fully charged or the unit is plugged into AC power.

RSA-181 Component List		
Item	Description	CBS ArcSafe®
		Part Image
1	RSA Tooling Assembly	



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DANGER!

**Ensure that personnel using this equipment are adequately trained in the operation of the MCC bucket 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).*