

# CBS ArcSafe®

## RSA-21

(For Square D Mini-Break)



*Distance is Safety®*

**CBS Arc Safe™**

A Group CBS Company

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# 1.0 Installation

## **DANGER!**

**Ensure that the electrical equipment to be remotely operated matches the equipment pictured and described on the cover of this document. If the equipment to be remotely operated does not match, please contact CBS ArcSafe® for more information regarding remote switching applications for the equipment in question.**

1. Prior to installation of the RSA-21, manually jog the motor arm to the correct position corresponding to the switch's current position. This will allow the motor arm to slide over the switch with ease during installation. Jog the arm the full amount of travel until it rests against the adjustable travel stop preventing further rotation.
2. Once the motor arm is in the correct position for installation, the RSA-21 may be installed. Prior to installation, check the area immediately surrounding the switch (Shown in the following image shaded red) to ensure that no obstructions which will interfere with installation are present.

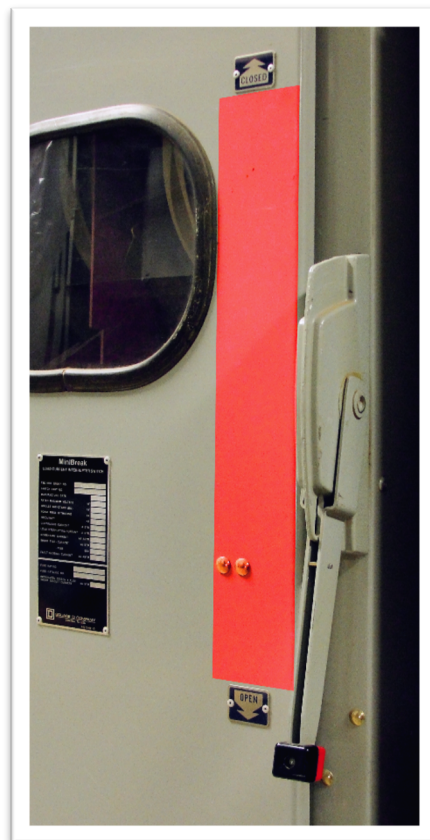


Figure 1: Area where no obstructions may be located

### ATTENTION!

The location of certain items such as mimic bus, stickers, and/or placards may interfere with the installation of the RSA. These items may need to be removed or repositioned for proper RSA installation.

3. Next, install the RSA-21 by first sliding the stainless steel handle operator over the switch's handle while at the same time seating the device flush against the panel. Ensure that both the upper and lower locators are properly positioned around the switch body and that they are seated against the right-hand side of the access door to help prevent movement during operation.
4. Check to ensure that both magnets are sitting flush against the panel with no obstructions. Secure the RSA-21 into place by engaging each of the twist-lock magnets. Rotate the handle of each magnet 180° clockwise to engage the magnet and secure the RSA.
5. Once the magnets have been secured the RSA-21 unit is now ready to operate.



Figure 2: RSA-21 installed and ready for operation

## 2.0 Opening/Closing the Switch

1. Ensure that the unit is properly installed on the switch as described in the previous section.
2. Connect the four pin threaded type cable from the RSO-I AR to the plug located on the motor control box.

### ATTENTION!

**Please ensure that all cables are clear of moving parts. Failure to do so could damage cables and/or actuator.**

3. Exit the area where the remote switching procedure will take place.
4. Power the RSO-I AR on.

### ATTENTION

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

### ATTENTION

**For detailed instructions on RSO-I AR operation please see RSO-I AR manual.**

5. If the switch is in the “ON” position and the user wishes to turn it “OFF”, press and hold the “TRIP” button on the RSO-I AR to operate the handle until the gear opens to turn the switch off.
6. If the switch is in the “OFF” position and the user wishes to turn it “ON”, press and hold the “CLOSE” button on the RSO-I AR to operate the handle until the gear closes to turn the switch on.



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**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).