

Installation and Operation

CBS ArcSafe®

RSA-174F

(For ABB/Sace T-Max T7
OTM Mechanism, C/T)



Distance Is Safety®
CBS ArcSafe®
A Group CBS Company

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1.0 Installation

DANGER!

Ensure that the equipment to be remotely operated matches the equipment shown and described on the cover page. If the equipment does not match, please contact CBS ArcSafe® for more information regarding remote operating applications for the equipment in question.

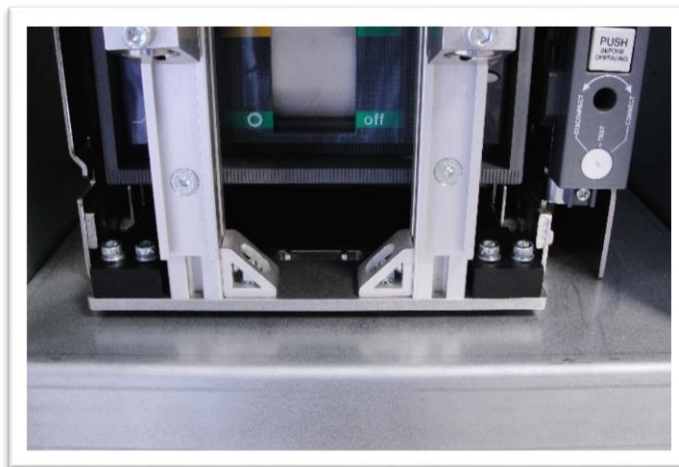
Step 1: With the MCCB breaker exposed, ensure that the breaker is free from any obstruction that may interfere with the proper installation of the RSA-174F.

Step 2: Next, prepare the RSA-174F for installation by extracting the black knob on the upper locating arm and lowering the upper locator.

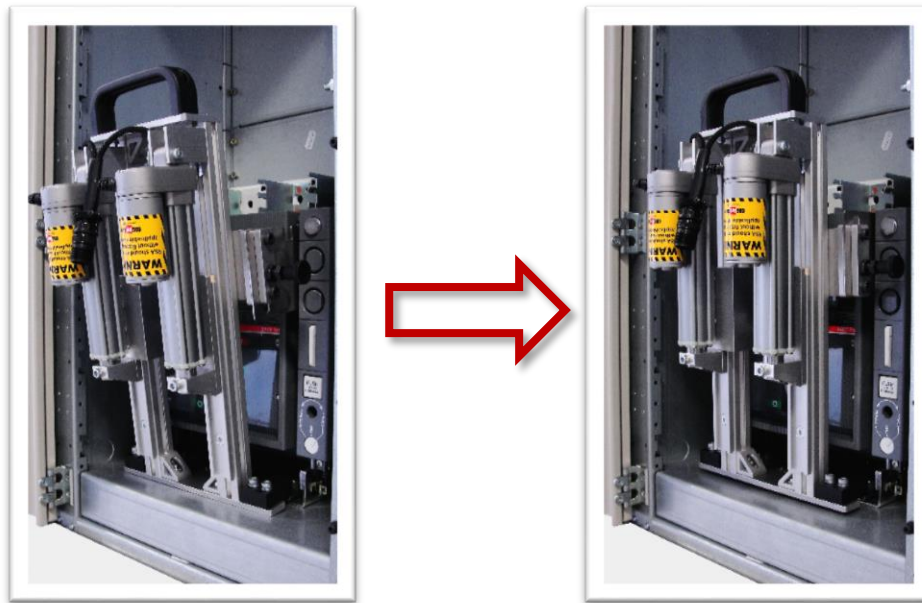
Step 3: Locate the two small tabs bent upward on the base of the MCCB cradle shown below. Carefully place the aluminum locator with the corresponding slot on the bottom of the RSA-174F over the tabs.



Step 4: The two black delrin locators should rest inside the outer steel tabs to keep the RSA-174F from moving side to side as shown in the image below.



Step 5: Next, rotate the RSA assembly toward the breaker until the frame sits flat against the breaker as shown below and the handle sits between the RSA-174F rollers.



ATTENTION!

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

Step 6: Slide the upper locator into place behind the screw housing in the upper right hand corner as shown in the image below. Lock the locator into place using the knob to ensure that the unit is securely mounted to the breaker.



Step 5: Lastly, ensure that the device is setup as shown below. If everything is setup as described above and shown below then the RSA-174F is ready to operate.



2.0 Operation

Step 1: Ensure that the RSA-174F is properly installed on the breaker as described in the previous section.

Step 2: Next, open the RSO-I AR to expose the cords and controls by disengaging the two latches on the front panel and lifting the lid.



Step 3: Remove the cable from the cord storage area inside the RSO and connect the cable to the corresponding receptacle on the RSA-174F. Once the RSO-I AR has been connected, exit the arc flash boundary

ATTENTION!

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

Step 4: Power the RSO-I AR on by turning the green switch to the ON position. If using the radio remote option, turn the switch to the REM position and activate the remote.

ATTENTION

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

Step 5: If the breaker is ON and needs to be turned OFF then push and hold the TRIP button on the RSO-I AR to open the breaker.

Step 6: If the breaker is OFF and needs to be turned ON then push and hold the CLOSE button on the RSO-I to close the breaker.



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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).