

Installation and Operation

CBS ArcSafe®

RSA-145E

(For ABB/Sace Isomax S7
OTM Mechanism, C/T)



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-145E for installation by loosening the two knobs on the lower locator. Also, manually jog the motor arm and attached slide to the position which corresponds to the breaker's current corresponding position (Fully UP for closed position, fully DOWN for open position).

Step 3: Now, place the RSA-145E around the protrusion on the breaker's face. Ensure that the RSA assembly sits flush against the lower surface of the breaker before continuing. NOTE: If the MCCB is in the CLOSED position there will be a small tab as shown below, place the RSA assembly over this tab during installation as it is spring loaded and depressing it will not affect RSA or breaker operation.



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.

2.0 Operation

Step 1: Ensure that the RSA-145E 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-145E. 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.



Distance Is Safety®

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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).