REMOTE OPEN/CLOSE SYSTEM

SPECIFICALLY DESIGNED FOR:

BREAKER: AKR-30/50
MANUFACTURER: General Electric
VOLTAGE: 480V
CURRENT: 800A-2000A
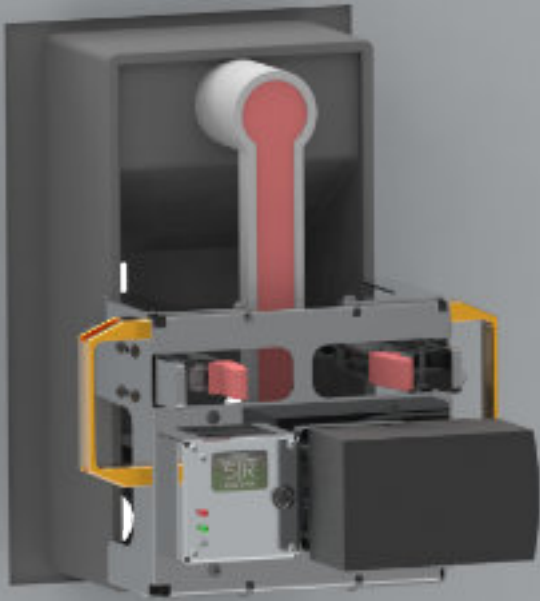
LIZARD 219

LIZARD STR TOOL CODE

- **LIGHTWEIGHT AND PORTABLE**
- **EASY-TO-USE HANDHELD CONTROLLER**
- **STANDARD 50' CABLE (WITH OPTIONAL EXTENSIONS) ASSURES SAFE DISTANCE FROM BREAKER DURING RACKING SEQUENCE**
- **ERROR RECOVERY & EMERGENCY STOP CAPABILITY**
- **CUSTOM SMART DRIVE BRACKET**
- **NO-MOD DESIGN - NO EQUIPMENT ALTERATIONS REQUIRED**

PARTS & ACCESSORIES

Remote Open/Close Device, 2 Batteries and Chargers, Handheld Controller, and Communications Cord
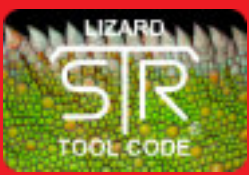

All of our products are designed, built to spec, and shipped from our state-of-the-art facility in Tucson, Arizona. Each product is created and tested by our knowledgeable team of designers and engineers to fit each individual breaker, cubical door, switchgear, or variant. When you choose Safe-T-Rack, you're getting the safest, most reliable product on the market.

OUR TEAM GOES TO WORK EVERY DAY TO MAKE SURE YOUR TEAM COMES HOME SAFE EVERY NIGHT.

MADE IN THE USA

BREAKER: AKR-30/50
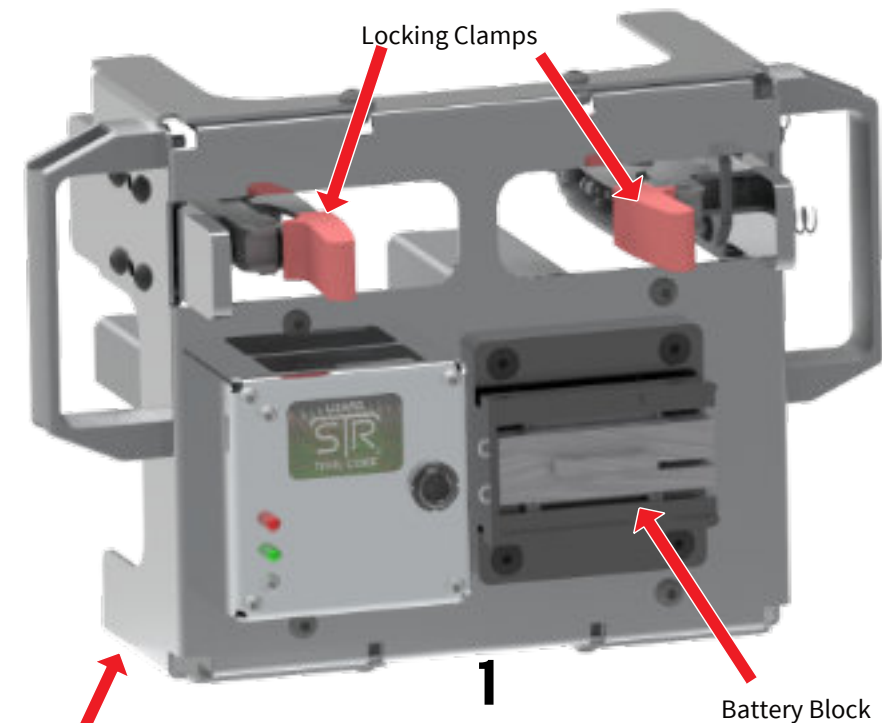**MANUFACTURER:** General Electric
VOLTAGE: 480V
CURRENT: 800A-2000A

SAFETY FIRST

Always observe safety precautions and use personal protective equipment (PPE) as required by local site procedures. This equipment is designed to further minimize exposure risk to the operator.

PARTS LIST

1. Remote Open/Close (ROC)
2. Two (2) batteries with charger
3. One (1) SR-U Handheld Controller (HHC)
4. 50' communication cable*
5. Polymer Storage Case

⚠ **WARNING**

This product can expose you to chemicals including Di(2-ethylhexyl), phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

Locking Clamps

1

Battery Block

Breaker Placement Alignment Peg (behind)

2

Navigation & Selection Buttons

3

5

4

Power/E-Stop Button

SETUP SEQUENCE

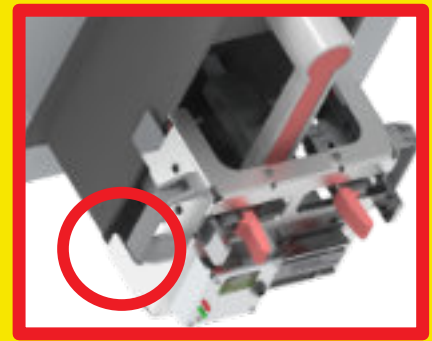## REMOTE OPEN/CLOSE DEVICE (ROC)

1. Place Remote Open/Close device (ROC) against face of breaker, aligning tab on lower left side of bracket inside the corner of the breaker face.

2. Rock ROC upward so that it is flush with breaker face. When positioned correctly, bracket will align evenly across cubicle.

3. Fasten locking clamps to secure ROC in place.

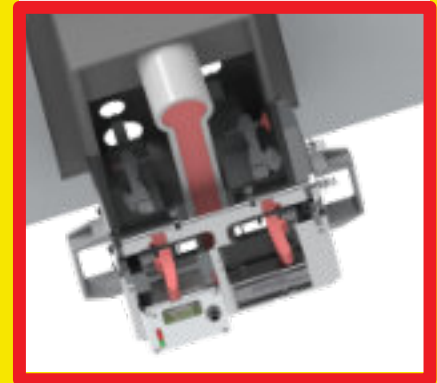## HANDHELD CONTROLLER (HHC)

1. Connect 50' Communication Cable to ROC.
   Note: red line on communication cable and port indicates correct cord alignment.

2. Connect other end of 50' Communication Cable to Handheld Controller (HHC)*.

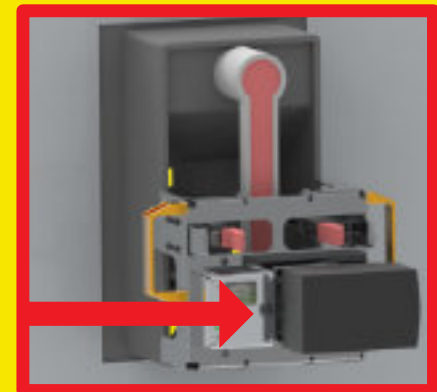3. Move a safe distance away from the breaker.

POWER ON

1. Twist the E-Stop switch on HHC to activate the system.

2. Several screens will flash as unit powers up. Once HHC has powered up, **verify correct application screen is displayed.**

SMART DRIVE BRACKET TAB ALIGNED WITH BREAKER FRAME

LOCKING CLAMPS ON ROC BRACKET SECURED, ROC PLACED CORRECTLY ON BREAKER

ROC WITH ATTACHED BATTERY, READY FOR COMMUNICATION CORD TO HANDHELD CONTROLLER

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*Note: Multiple cables can be used to increase safe distance from breaker. Additional cables sold separately. Contact Remote Solutions LLC for more information.

SYSTEM OPERATION

1. Follow the on-screen prompts to complete racking procedure. Navigate selections using perimeter buttons on HHC (backlit in green). "Up" and "Down" will toggle through options on screen. "Right" and "Left" will confirm selections.

2. Navigating HHC in this manner, select current location and desired destination of breaker. When selection is highlighted, click center button (backlit in red) to confirm selection. **This will initiate the ROC process.**

3. System will perform action as selected, displaying progress on screen.

4. Upon successful operation, HHC will display a completed racking screen.

POWER DOWN & STORAGE

1. Power down the unit by pressing the E-Stop button.

2. Remove battery from ROC device.

3. Unplug power cord and HHC communication cord from ROC device.

4. Stow 50' Communication Cable, HHC, and batteries in storage case.

5. Release locking clamps to remove ROC device from cubicle. Store in provided polymer case.

Safe-T-Rack®

UP
LEFT   RIGHT
DOWN
STR

INITIATE RACKING PROCESS

POWER & E-STOP BUTTON

CARE & MAINTENANCE

To ensure longevity of the Portable Kit and SDB, store the tools in the provided polymer case in a dry, temperate environment. The tools are weather resistant but should be used with care in rain and snow.
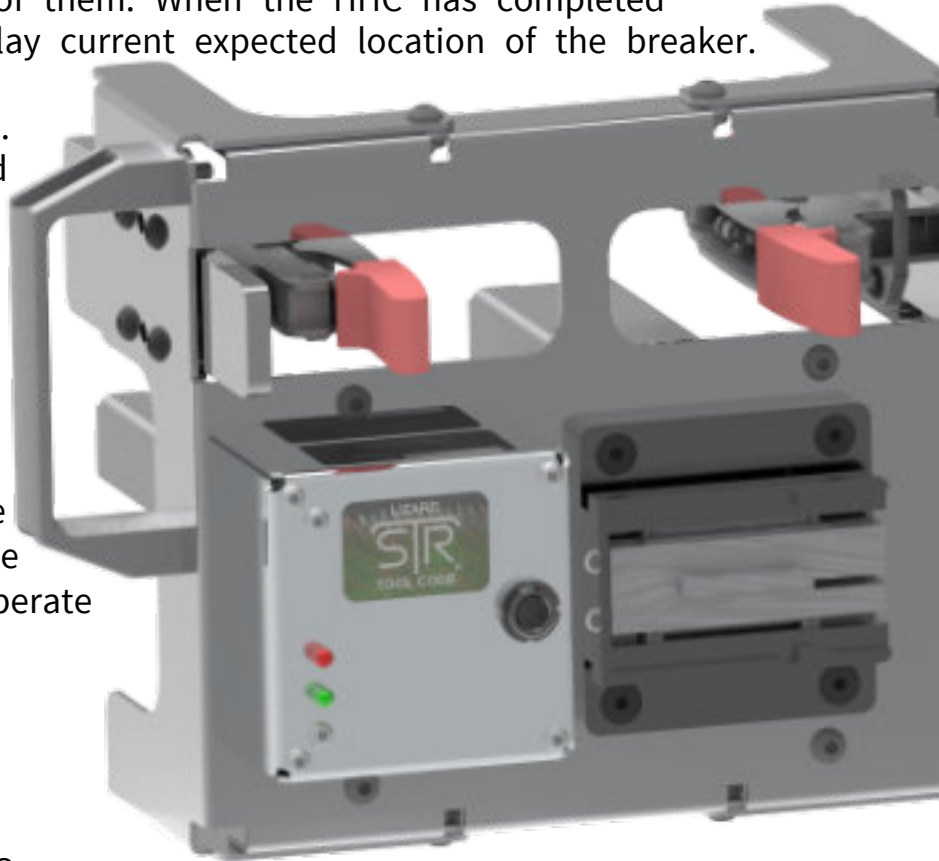
ERROR RECOVERY

If a problem occurs, programmed recoveries will happen automatically and the system will attempt to recover the breaker to a known position.

When racking in/out, if an obstruction or mechanism failure occurs, the system will attempt to recover the breaker to a safe position. Actions will be displayed on HHC with an asterisk (*) in front of them. When the HHC has completed recovery operations, HHC will display current expected location of the breaker. Note the expected location and approach the breaker with caution. Determine cause of the failure and remedy the situation prior to attempting additional remote racking.

NOTE: Attempting to stop or shutting down the system mid-process once it has started is not recommended, as this will leave the breaker in an unknown position. The Remote Racking System will only operate from known positions.

EMERGENCY STOP

The red E-Stop button on the HHC serves as both the power and Emergency Stop button. If an E-stop is initiated, the system will shut down. Operator must then manually recover the breaker to a known position. Follow all safety procedures and wear appropriate PPE when recovering a breaker manually.

For any questions, concerns, information, or missing/ replacement parts, contact Remote Solutions below or follow the QR link to our website.

SAFE-T-RACK
by Remote Solutions LLC