

## SAFE-T-TRIP®

### REMOTE TRIP DEVICE FOR AC TRIP UNITS

Reduce arc flash risk and determine if a breaker mechanism needs service with the SAFE-T-TRIP® device. The SAFE-T-TRIP® hand-held USB device provides an operator with the ability to safely trip a circuit breaker from a distance of up to 30ft away, reducing the potential risk of hazardous arc flash.

#### Compatibility

The SAFE-T-TRIP® device is compatible with the following Utility Relay Company products:

- AC-PRO-II® (and VDM)
- AC-PRO-MP®
- AC-PRO-MP-II®
- AC-PRO-NW® (and VDM)
- BREAKER-IQ™

#### USB Communications

The USB cable allows for 2-way communication between the trip unit and the SAFE-T-TRIP® device. The power needed to initiate a trip is also provided through the USB cable permanently attached to the SAFE-T-TRIP® device. No other USB devices will initiate a remote trip.

#### SAFE-T-TRIP® Device Power

The SAFE-T-TRIP® is powered by a 9-volt battery that will power up the trip unit and initiate a trip even if there is no power coming to the trip unit from CTs or an external power source. The battery is easy to change using the battery access door on the front of the unit. A "Battery OK" LED indicator notifies the user when the battery is reaching the end of its useful life.

#### Determining if the Breaker Mechanism needs service using the SAFE-T-TRIP®

All of the URC trip units compatible with the SAFE-T-TRIP® are equipped with the **Sluggish Breaker®** detection system. Sluggish Breaker® detection determines if the breaker mechanism is in need of service as indicated by slow operation during the "first trip." Later, operations are faster because the breaker mechanism was exercised. The SAFE-T-TRIP® device can be used to initiate the "first trip" before racking out a breaker. When the trip unit initiates a breaker trip, it measures the time between triggering the actuator and when the breaker opens. If this time is greater than the threshold setting the Sluggish Breaker® alarm is set. If the Sluggish Breaker® alarm was set, that is an indicator that the breaker mechanism should be serviced.



A RUGGED ALUMINUM HOUSING

B OPERATIONAL CONTROLS

C 30 FOOT USB CORD

D STATUS LED'S

E 9-VOLT BATTERY



#### SAFE-T-TRIP® Operation

1. The operator plugs the USB cable from the SAFE-T-TRIP® device into the USB port on a compatible trip unit
2. After stepping away from the breaker, the operator will turn on the SAFE-T-TRIP®
3. The SAFE-T-TRIP® will communicate with the compatible unit and make sure it is ready to be force tripped
4. When everything is ready, the "Ready" LED will be on
5. Once the ready LED is on, the force trip can be initiated by simultaneously pressing the 2 trip buttons
6. The trip unit will receive the force trip command and will fire the actuator to open the breaker
7. Once the remote operation of the breaker is complete, the operator can unplug the SAFE-T-TRIP®

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