

AC-PRO

AC TRIP UNIT

MICRO-CONTROLLER BASED

State of the art technology for low voltage circuit breaker retrofitting

Standard trip unit functions

- Long-Time
- Short-Time
- Instantaneous
- Ground Fault
- Phase Unbalance

All functions are selectable ON/OFF, with the exception of the Long-Time function, during programming.

True RMS

The AC-PRO is true RMS sensing on all functions, including Instantaneous.

Programming

Settings are programmed using the ▲, ▼, and **SAVE** buttons on the front of the trip unit. All settings and last trip data are stored in non-volatile memory.

Security is provided by a **SECURITY KEY**, which must be plugged into the top of the trip unit before any trip settings can be changed.

16-Character LCD

The large backlit display provides continuous 3-phase current metering when the trip unit is in service. Last Trip Data and trip settings can be reviewed at any time by pressing the **REVIEW** key.

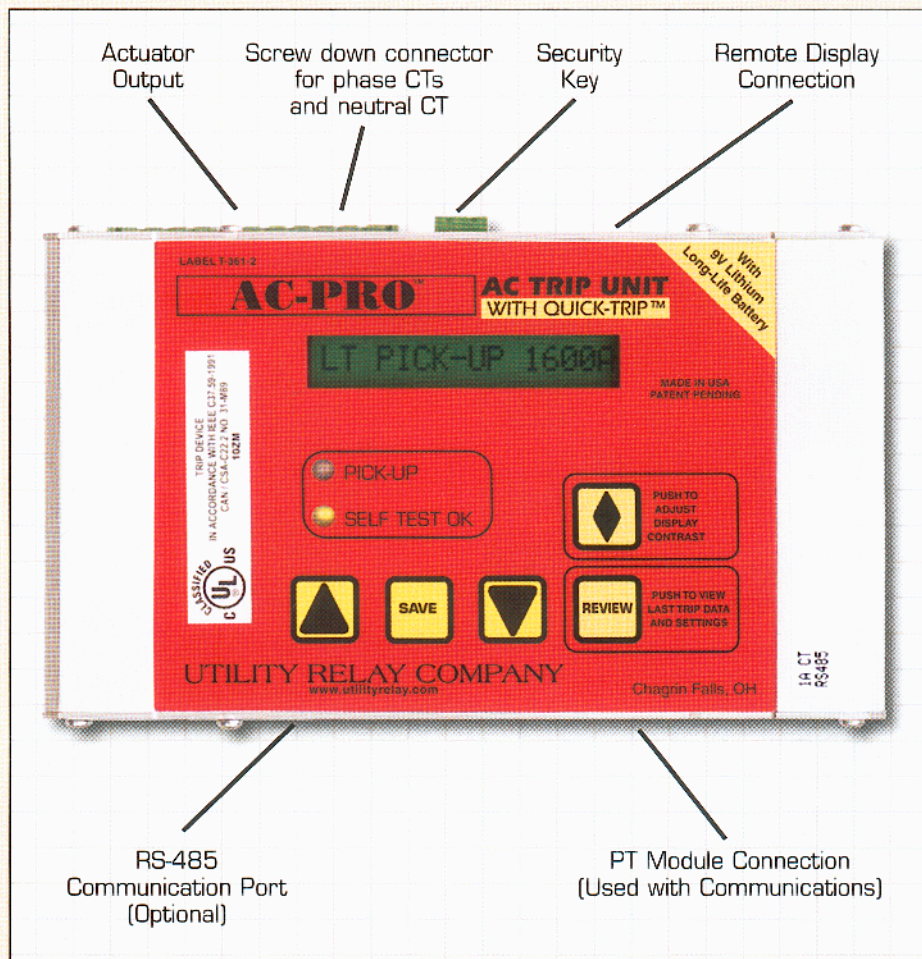
The ♦ button on the front of the trip unit is provided to adjust the LCD's contrast.

Last Trip Data

The trip unit retains the data from the most recent trip in non-volatile memory. This information includes the type of trip and the individual phase currents at the time of trip. This information can be reviewed at any time by pressing the **REVIEW** button.

Continually pressing the **REVIEW** button will display a trip counter, which indicates the number of times the trip unit has operated on each function. The present trip unit settings will also be displayed.

Last trip data and the trip counter can be cleared at any time.



PICK-UP Indication

The red LED on the front of the trip unit illuminates when current reaches or exceeds the Long-Time pick-up value.

SELF-TEST OK Feature

The green LED indicates that the trip unit is operating properly. This feature:

- Continuously monitors the trip unit.
- Verifies that the actuator is connected.
- Monitors software routines.
- Monitors micro-controller.

Special Applications

In addition to the standard 60Hz model, the AC-PRO is available in true RMS versions for 50Hz, 40Hz, and 25Hz power systems.

Construction

- Rugged extruded aluminum housing.
- Conformally coated circuit boards.
- Contamination resistant membrane keypad.

Warranty

2-year limited warranty.

