

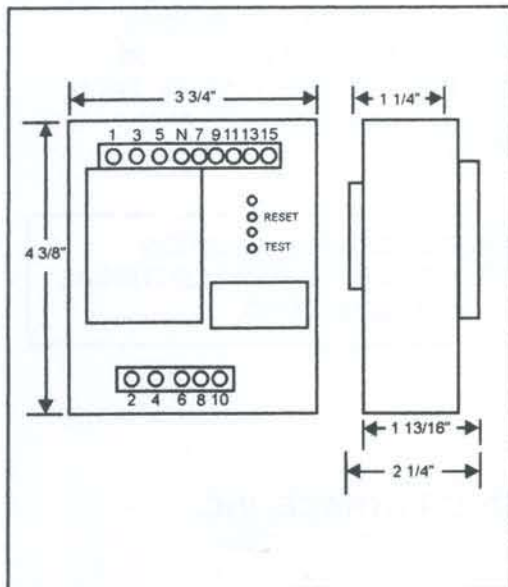
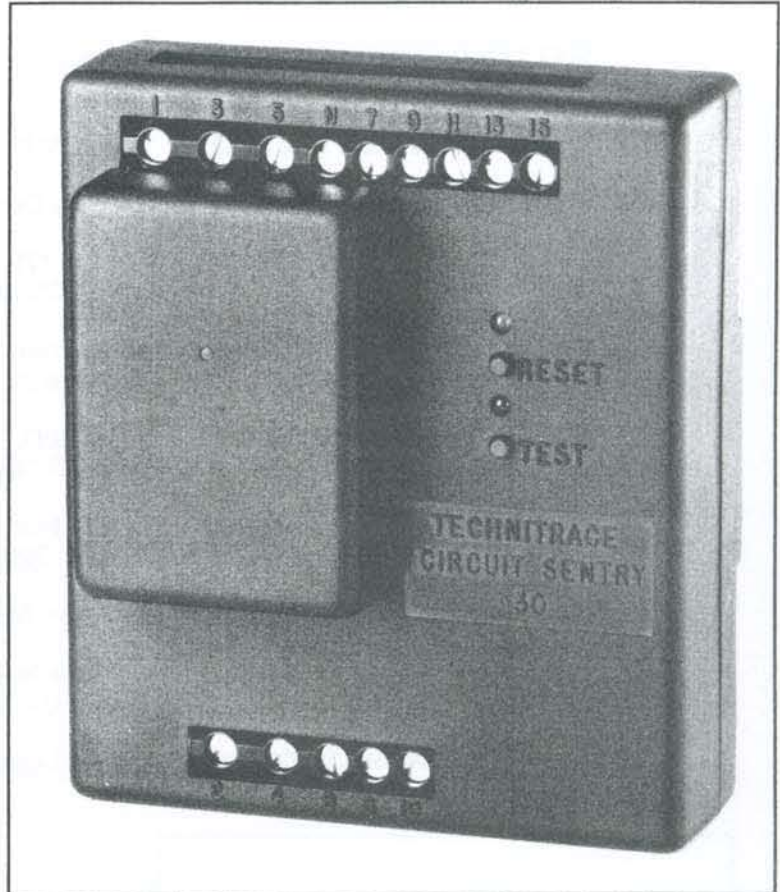
**TECHNITRACE INC.**

# CIRCUIT SENTRY 30<sup>®</sup>

## DESCRIPTION

The Technitrace Circuit Sentry 30 is a combination solid state and electro-mechanical relay device, designed specifically for heat trace systems. It is (1) A switching device to turn on/off the heat trace circuit; (2) A ground fault device to cut power to the heat trace circuit in the event of current to ground leakage; (3) A monitoring device to make aware of a ground fault condition.

The Circuit Sentry 30 is a Underwriters Laboratories recognized device.



## CONTROL

Any external device completing a connection between terminal blocks 7 & 9 (ie; thermostat, switch, moisture sensor, etc.) will close the internal relay, completing the connection between the input ("line") terminal blocks, and the output ("load") terminal blocks. Multiple units can be series connected via an internal "form C" contact (terminal blocks 6, 8 and 10. See installation instructions).

## GROUND FAULT

Current to ground leakage of 30 mA or greater, will cause the internal relay to open, cutting output ("load") power.

## MONITORING

An internal "form C" contact allows hook-up of external alarm circuits (ie; alarm lights, etc.) The contacts change state upon ground fault trip.