# SIMPLE TEMPERATURE CONTROLLER

- **Inexpensive, microprocessor design**
- **User programmable using GUI software**
- **Relay output, SPDT 1A contact**
- **Programmable hysteresis and minimum cycle timing**
- **Stand alone operation with remote monitoring option**
- **10 K thermistor, mounting track and programming software included**



## APPLICATION:

The ETTR may be used as a simple temperature controller, providing on/off relay output for fans, heaters, shut off valves and safety systems. Because of its software adjustable parameters, the product is highly customizable - an ideal solution for many OEM temperature control applications.

## PRODUCT DESCRIPTION:

The ETTR is a programmable temperature relay with the ability to act as an ON/OFF temperature controller. The device is capable of fully stand alone operation, but may be monitored and programmed with the custom software and a serial RS232 interface.

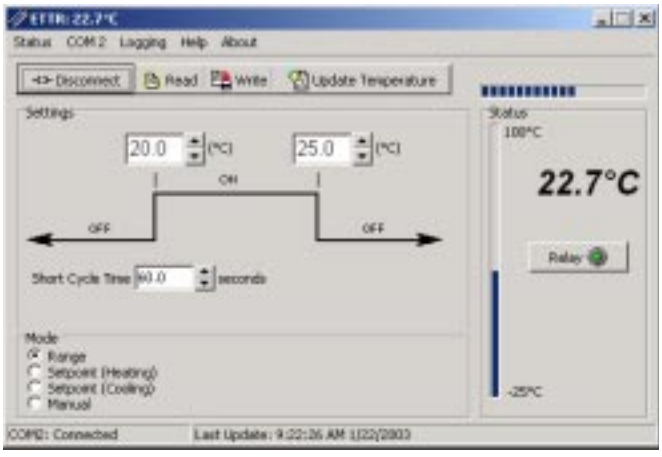
The unit may be programmed in two control modes: (a) temperature range mode in which it will turn ON the output relay between two defined temperatures and (b) set point mode in which it will turn ON below a defined temperature and OFF above a defined temperature. The span between the temperatures may be adjusted to customize the hysteresis. The ETTR may also be placed in a manual mode of operation in which the relay is controlled via the GUI software.

## SPECIFICATIONS:

| | |
|---|---|
| Power: | 12 to 24 VAC or VDC |
| Input: | Single NTC 10K thermistor in brass tubing (provided), |
| Output: | Form C output relay (rated 1A @ 30 VDC and 0.5A @ 125 VAC) |
| Indication: | Status - Green LED<br>• solid = Power ON<br>• flashing = Thermistor wiring fault |
| Temperature: | -25°C to 100°C (-13°F to 212°F) |
| Dimensions: | 1" x 2.25 " (26 x 57 mm) , board mounts in TR-1 plastic snap track (provided) |
| Computer | Interface: serial communications via RS232 port, Windows® based software provided |

ORDERING DATA ETTR

*Sample programming screen **temperature range mode** shown*





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