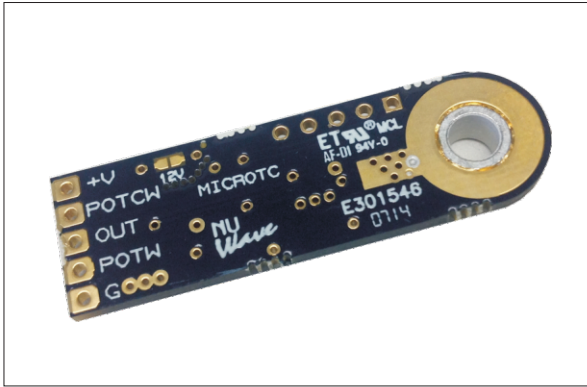


Small Temperature Controller microTC



- **Extremely Cost Effective**
- **Super Compact Design**
- **Mounts with One Screw**
- **Reverse or Direct Acting (Heat or Cool)**
- **Custom Temperature Ranges**
- **Fixed Setpoints & Hysteresis**
- **-10 to 85C with +/- 0.5degC Accuracy**
- **Freeze Protection, Temperature Control**
- **On-Off or Proportional Control**
- **Limited Two Year Warranty**

Product Description

The Micro TC is the smallest and lowest cost temperature controller in our line. The Micro TC is factory set for your setpoints and hysteresis but is available with field adjustable versions using an external potentiometer. Micro TC provides a 3 Amp MOSFET output that can be used to drive an SSR or small heater. The integral sensor eliminates the extra cost of a thermocouple or RTD.

Ordering Codes

MicroTC - . - . - -

Setpoint Temperature (XX.X degC) (E) for External
 Band or Hysteresis (XX.X degC)
 (O) On-Off Control OR (P) Proportional Control
 (R) Reverse or (D) Direct Acting Control
 Power Supply Voltage, (12) or (24) VDC

Input Specifications

Power Supply	12 or 24VDC +/-10%, < 1 Watt Power Consumption
Temperature Setpoint Range	0 to 85 degC
Fixed Setpoint Accuracy	+/- 0.5 degC
External Setpoint Input	~0-5VDC +/-1V (0-100% of Potentiometer) = -10 to 85deg
Setpoint Input Impedance	100K
External Potentiometer Resistance	50KOhm

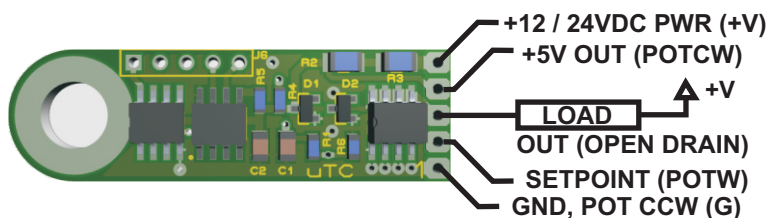
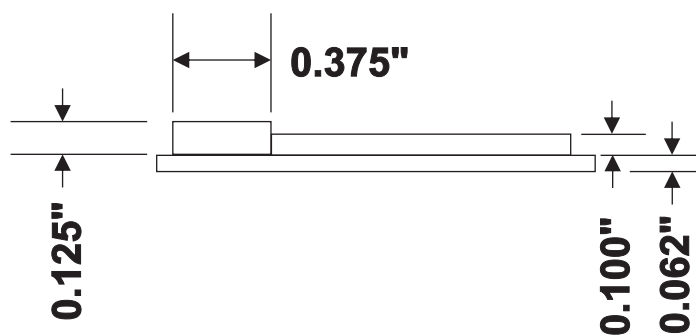
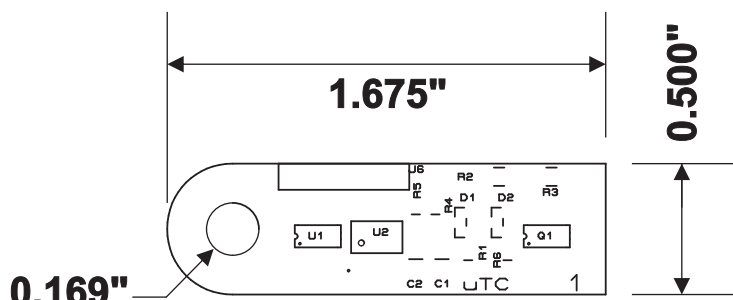
Output Specifications

Control Output	MOSFET, Open Drain, 3A Max Sink Current, 26V Max Output in proportional mode is time proportioned (PWM)
----------------	---

Thermal Specifications

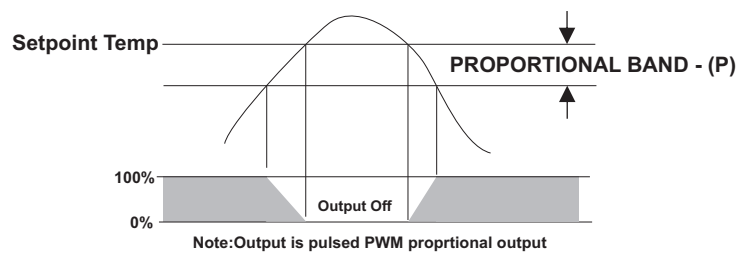
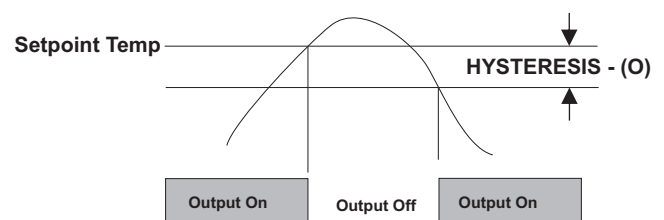
Operating Temperature Range	0 to 85 degC
Storage Temperature Range	-40 to 100 degC

Dimensions & Wiring



Operation

Reverse Acting (Heating) Examples:



Direct Acting (Cooling) Examples:

