

## 2 Amp TEC Controller

### 1. Features:

- $\pm 2$  Amp Drive Capability
- Current Ripple  $< 5\%$
- Temperature stability  $\pm 0.02^\circ\text{C}$
- Temperature control range: 0 to  $50^\circ\text{C}$
- Single Power Supply +5V DC
- Preset Current Limit 0.5A, 1A, or 2A
- Compact size 2.25" X 1.40" X 0.47"

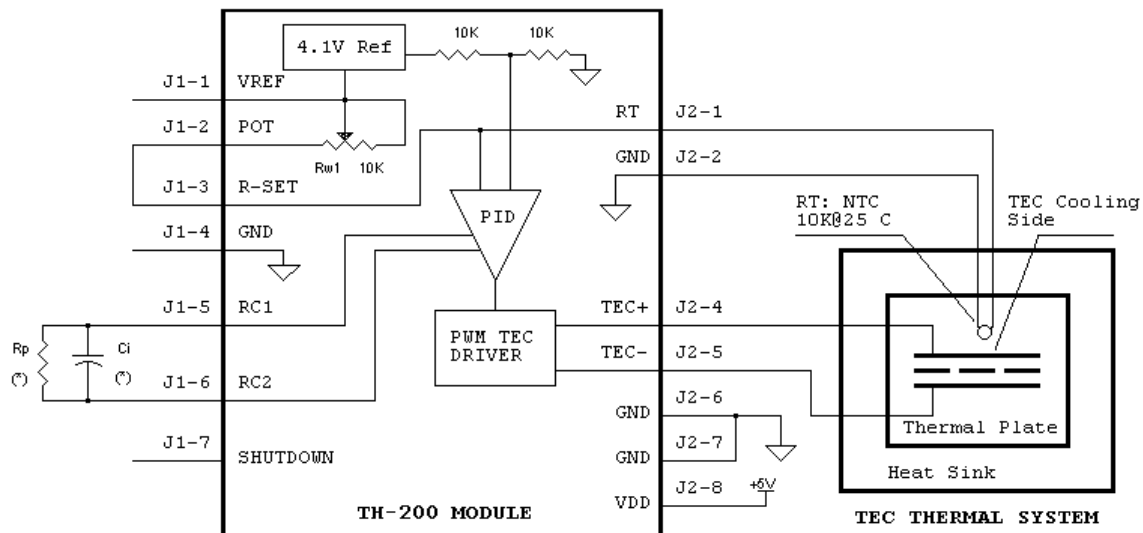


### 2. Description of TH-200

The TH-200 module is a Bi-directional Temperature Controller for Thermoelectric Coolers (TEC) used in fixed temperature applications. The module is designed to operate with a Negative Temperature Coefficient (NTC) thermistor. TH-200 can provide temperature stability of  $\pm 0.02^\circ\text{C}$ .

The TH-200 provides an on-board trim pot for set-point adjustment. Gain adjustment and integral time adjustment are achieved by connecting a resistor ( $R_p$ ) and a capacitor ( $C_i$ ).

### 3. Typical Application



(\*) The value of  $R_p$  and  $C_i$  is defined by the system optimization.

You are welcome to contact us for details and quotation by phone, Fax, or e-mail.