

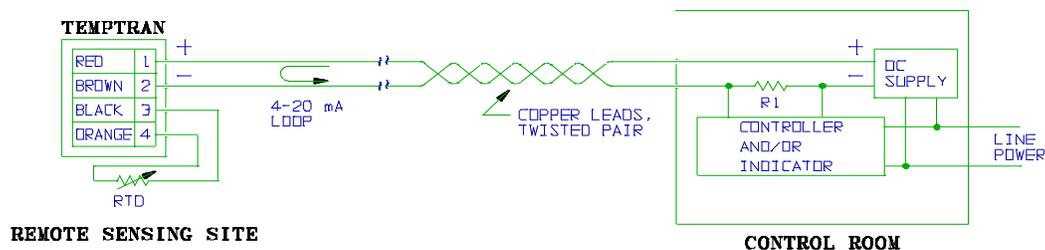
## TT187

**INSTALLATION INSTRUCTIONS** for MINCO Temptran™ 4-20 mA Current Transmitters, with wire leads or terminal block connections.

**Installation:** Ambient temperature of the Temptran should stay between 0 and 50 °C (32 and 122 °F). Mount near the RTD with a #6 machine or #8 self-tapping screw.

Connect the Temptran as shown, observing +/- polarity of the current loop. Maximum DC supply voltage = 35 VDC. The RTD connections have no polarity. For the RTD, good connections are a must; a few ohms of resistance in the connection can cause an error of several degrees.

The Temptran has been factory-calibrated for its marked temperature range or else for a specific RTD. Do not change its zero and span adjustments.



**Wiring Diagram**

**How It Works:** The Temptran converts an RTD's ( resistance temperature detector's ) resistance signal into a current proportional to the RTD's temperature. The current changes according to the range marked on the Temptran: 4 mA at the lowest temperature of the range, rising to 20 mA at the top of the range. The leads that supply power also carry the current signal.