



## TT205 Temptran™ 4-20 mA Current Transmitter

### Installation and Operation Instructions

#### How It Works:

The Temptran converts a T/C (thermocouple's) mV signal into a 4 to 20 mA output current that is linear to the input voltage (not temperature linear). 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.

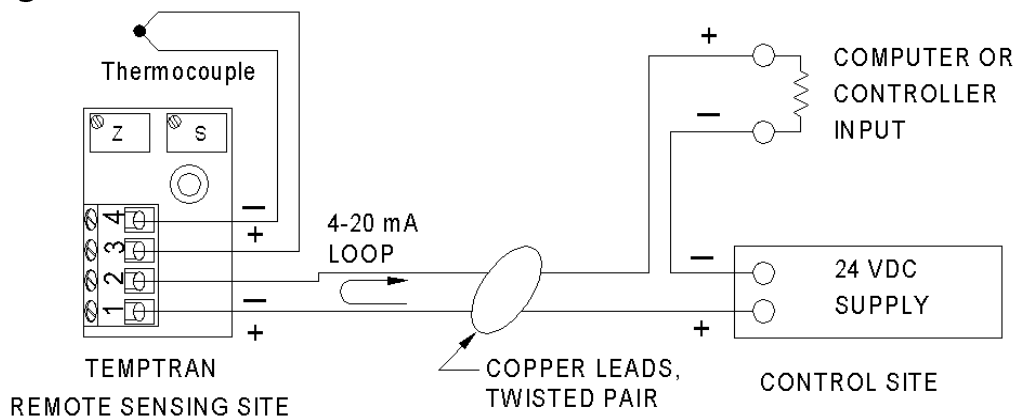
#### Installation:

Ambient temperature of the Temptran should stay between 0 and 50°C (32 and 122°F). Mount near the thermocouple 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. Connect the thermocouple as shown, observing +/- polarities, or the Temptran will not operate properly.

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

#### Wiring Diagram



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