

# MINCO Temptran™ 4-20 mA Current Transmitter

## Model TT205

### INSTALLATION INSTRUCTIONS

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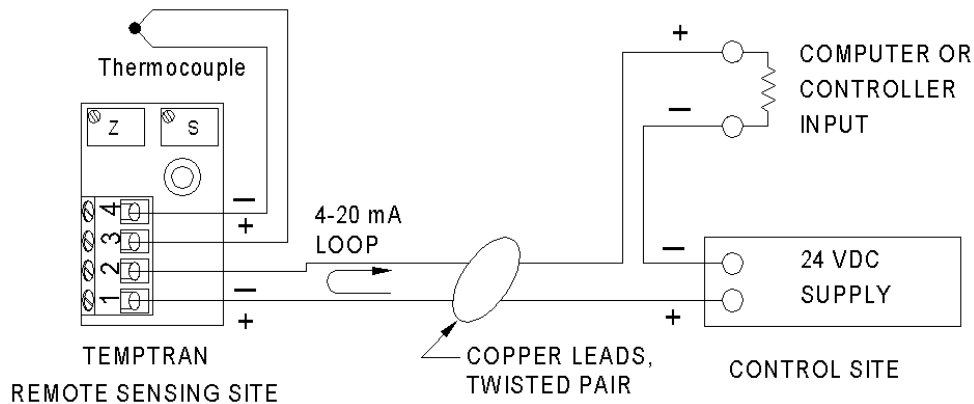
#### Installation

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



#### 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.

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