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## TX1130

Loop Powered Temperature  
Transmitter, Remote Setpoint and  
Override

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## Description

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The TX1130 is a wall mount temperature transmitter complete with setpoint and override function. The TX1130 provides a Normally Open momentary push-button switch output. The TX1130 also provides two 4 to 20 mA outputs. The first output is the sensed temperature, scaled 4 to 20 mA from 50 to 85°F. The second is a 4 to 20 mA signal representing the position of the setpoint knob, scaled 50 to 85°F. Power may be provided from any DC supply from 8 to 35 VDC.

### The TX1130 features:

- 4-20mA temperature output (range 50 to 85°F)
- 4-20mA setpoint adjustment (range 50 to 85°F)
- Momentary push button override
- Mounts over standard handy box

## Contents

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## Mounting

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The TX1130 is a room mount model which is designed to be installed indoors in an vertical position. The TX1130 comes with a conduit box adapter which can mount to a 2" x 4" conduit box. Bantam plugs are included if the TX1130 is to be mounted directly to block or drywall. This unit should be mounted on an interior wall approximately five feet above the floor. Choose a location that provides a reading typical of average conditions. Avoid areas that are unventilated or near open doors or windows, as well as areas that are exposed to direct sunlight or unusual heat sources.

## Wiring

The TX1130 provides two 4 to 20mA signals; therefore the positive (+) terminal is used for both the temperature and setpoint loops. This device may be thought of as two independent transmitters mounted on the same PCB and connected to the same supply voltage source.

### Temperature Output:

1. Connect your positive (+) 8-32VDC regulated power source to the positive (+) terminal of the TX1130.
2. Connect the "TEMP" terminal of the TX1130 to the positive (+) temperature input of your monitoring device.
3. Connect the negative (-) of the monitoring device to the negative (-) of the power supply.

### Setpoint Output:

1. Connect the "SP" terminal of the TX1130 to the positive (+) setpoint input of your monitoring device.
2. Connect the negative (-) of your monitoring device to the negative (-) of the power supply.

### Occupant Override:

1. Connect the two override terminals of the TX1130 to the digital input of your control system. This contact is normally open and rated for low voltage applications.

**NOTE: This is a normally open momentary contact switch.**

## Setup

Adjust the setpoint knob to the desired output signal.

