# Product Manual

**TCS Basys Controls**®

## TX1140

Temperature Sensor with
Remote Setpoint and Override

## Description

The TX1140 is a wall mount temperature sensor with setpoint and override and is designed to be used as a remote room sensor for the SZ2181 Air Handling Unit Controller.

**The TX1140 features:**

- 1000 $\Omega$ platinum RTD temperature output
- 4-20mA setpoint adjustment
- Momentary push button override
- Mounts over standard handy box

## Contents

## Mounting

The TX1140 is a room mount model which is designed to be installed indoors in an vertical position. The TX1140 comes with a conduit box adapter which can mount to a 2" x 4" conduit box. Bantam plugs are included if the TX1140 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

**Temperature RTD Output:**

1. Connect twisted shielded pair 18 AWG wire from RTD out terminals on TX1140 to RTD sensor input of controller.

**Setpoint Output:**

1. Connect the "SP" terminal of the TX1140 to the setpoint input of your controller.

2. Connect the (+p) terminal of the TX1140 to the (+) power source of your controller.

**Occupant Override:**

1. Connect the two override terminals of the TX1140 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.

Occupant Override

Setpoint Adjustment