

ACCESSORY KIT INSTALLATION INSTRUCTION

WALL MOUNTED ZONE SENSOR

For Models: 031-02529-000, 031-02529-004 and 031-02529-006

GENERAL

The YORK Zone Sensor can be used with a variety of YORK products, such as the Simplicity Intelli-Comfort™ and Simplicity Elite™. The zone sensor operates as a resistance input to a controller with optional adjustment, override, and communication ports. Setpoints and variation from setpoint are configurable within the controller. (Sensor does not work with Synthesys!)

The sensor mounts on a wall in a stylized enclosure. A 10 kOhm thermistor is used to provide an operating range of 32 to 158° F (0 to 70° C).

The zone sensor provides a resistance signal to a controller for temperature control. A variety of different configurations are available to fit individual needs, such as an adjustable potentiometer for setpoint adjustment, a push-button switch for override ability.

A 20 kOhm potentiometer allows adjustment of the setpoint by the occupant, operating on a rotating dial. This provides a method for the zone occupants to adjust the temperature without summoning maintenance personnel.

FEATURES AND BENEFITS

- Stylized enclosure design.
- Thermistor accuracy of $\pm 0.36^{\circ}\text{F}$ (0.2°C) accuracy.
- Dial-type potentiometer provides local setpoint adjustment within software parameters.
- Configurable push-button override.



Zone Sensor

The push-button can be configured to override (short) either the thermistor (temperature) circuit, the setpoint circuit, or provide an independent signal to the controller. The controller can then be programmed to interpret the override signal. When the thermistor circuit is shorted by the override button, the controller interprets the high signal as evidence of occupancy when in the unoccupied mode.

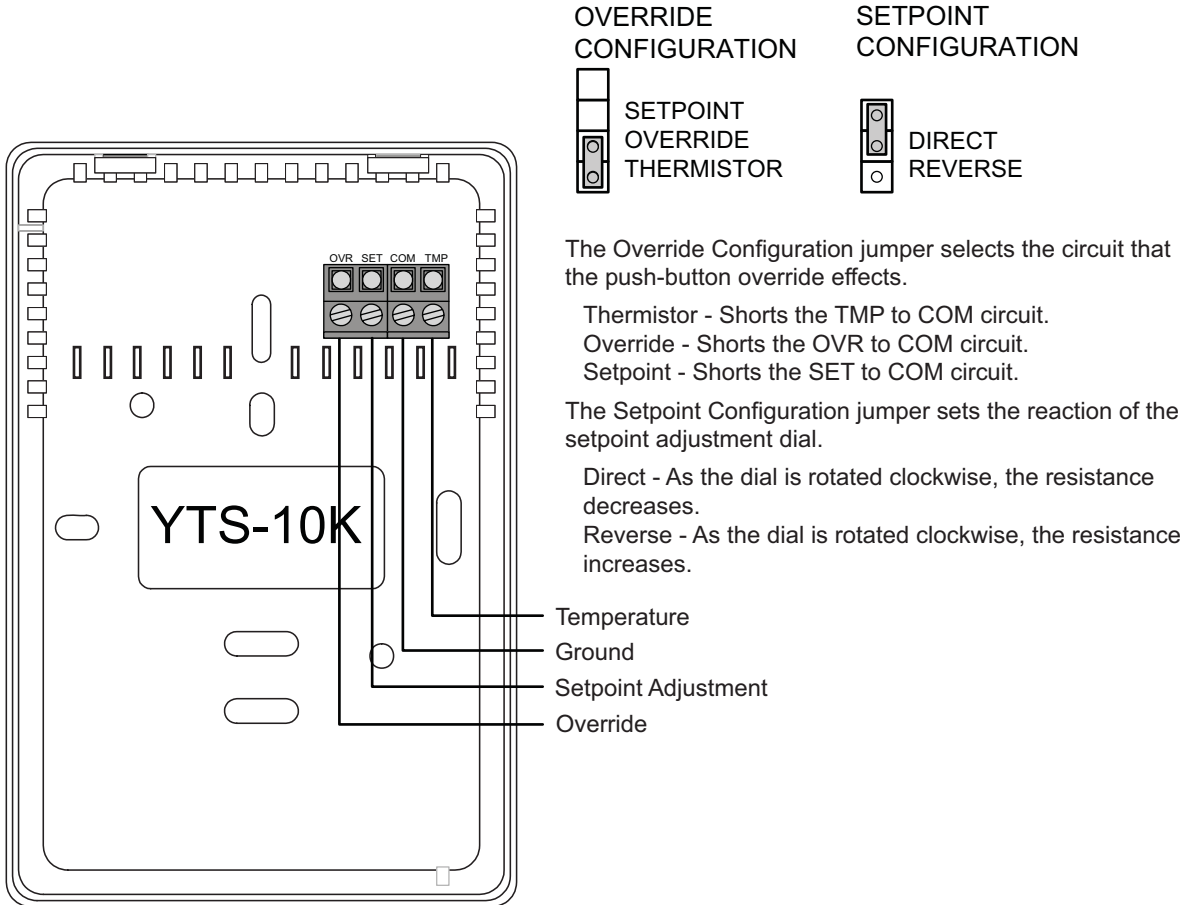
SPECIFICATIONS

General

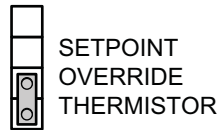
Sensor Type	10K-3 Thermistor
Reference Resistance	10 kOhm @ 77° F (25° C)
Thermistor Accuracy	±0.36° F (±0.2° C)
Operating Range	32 to 158° F (0 to 70° C)
Thermistor Accuracy	±0.2° C (0 to 70° C)
Stability	0.24° F (0.13° C) for 5 years
Wire Connection	Screw terminals
Dimensions (H x W x D)	4.88 x 3.25 x 1.0 in. (123 x 83 x 25 mm)

Ordering Information

031-02529-000	Sensor
031-02529-004	Sensor with Override button
031-02529-006	Sensor with Setpoint Adjust and Override Button



OVERRIDE CONFIGURATION



SETPOINT CONFIGURATION



The Override Configuration jumper selects the circuit that the push-button override effects.

- Thermistor - Shorts the TMP to COM circuit.
- Override - Shorts the OVR to COM circuit.
- Setpoint - Shorts the SET to COM circuit.

The Setpoint Configuration jumper sets the reaction of the setpoint adjustment dial.

- Direct - As the dial is rotated clockwise, the resistance decreases.
- Reverse - As the dial is rotated clockwise, the resistance increases.

- Temperature
- Ground
- Setpoint Adjustment
- Override