

Reliable Controls<sup>®</sup> MACH-System

# Reliable<sup>®</sup> controls

*...people and technology you can rely on™*

- S SPACE-SENSORS TO MEASURE TEMPERATURE
- O OPTIONS FOR CARBON-DIOXIDE AND OCCUPANCY SENSING
- A ATTRACTIVE, CUSTOM-DESIGNED ENCLOSURE TO MATCH SSL INSTALLATIONS
- O OPTIONS FOR OVERRIDE, SETPOINT ADJUST, AND NETWORK ACCESS
- E EASY TO INSTALL MOUNTING PLATE FITS STANDARD ELECTRICAL BOX
- E EASY TO WIRE SCREW TERMINAL CONNECTORS
- D DURABLE SILICON RUBBER BUTTONS
- 5 YEAR WARRANTY

## SPACE-Sensor™ TEMPERATURE



The Reliable Controls<sup>®</sup> SPACE-Sensors™ provide a simple, flexible, and economical means for measuring space temperature, humidity, carbon-dioxide, and occupancy

Up/Down adjust model (left), override (middle), and occupancy shown (right).



The Reliable Controls<sup>®</sup> SPACE-Sensor<sup>™</sup> Temperature (SST) line of products are attractive, functional sensors designed to compliment SMART-Sensor<sup>™</sup> LCD installations. SSTs are available in 12 different configurations. The base model SST contains a thermistor temperature sensor. The CO<sub>2</sub> models feature a 0–2000 ppm 1–4 VDC CO<sub>2</sub> sensor. The OC models feature a Passive Infrared Radiation (PIR) motion sensor. The O models feature a custom silicon momentary contact override button, while the UD models feature custom silicon rubber up/down setpoint adjust buttons. The S models feature a 10k slider for setpoint adjust and the J models feature an RJ-11 jack for laptop communications.

### FEATURES

#### Space Sensing

- Temperature
- CO<sub>2</sub>
- Occupancy

#### User Access and Adjust

- Attractive casing + intuitive button design
- Setpoint adjust using Up and Down buttons or slider
- Momentary Contact option with Override
- RJ11 connector on bottom provides access to host network (X-Port<sup>™</sup> required)

#### Warranty

- 5 years
- 1 year for CO<sub>2</sub>

### ORDERING

#### SST (base model)

- SMART-Sensor<sup>™</sup> Temperature

#### SST-CO2\*

- Base model with CO<sub>2</sub> sensor

#### SST-OC\*

- Base model with Occupancy sensor

#### SST-CO2-OC\*

- Base model with CO<sub>2</sub> and Occupancy sensors

#### SST-CO2-S\*

- Base model with CO<sub>2</sub> sensor and slider

#### SST-J

- Base model with Comm Jack

#### SST-O

- Base model with Momentary Contact Override

#### SST-O-J

- Base model with Momentary Contact Override and Comm Jack

#### SST-O-S

- Base model with Momentary Contact Override and 10k Slider

#### SST-S

- Base model with 10k Slider

#### SST-UD

- Base model with Up/Down adjust

#### SST-UD-J

- Base model with Up/Down adjust and Comm Jack

\* Requires separate VDC power supply

## TECHNICAL SPECIFICATION

#### Supply Voltage

- 5 VDC @ 20 mA from controller
- 9–12 VDC, 300 mA (3 Watts) from separate power supply for CO<sub>2</sub> models
- 9–12 VDC, 5 mA from separate power supply for OC models

#### Temperature Range

- 0 °C to 40 °C (32 °F to 104 °F)

#### Temperature Specifications

- Dedicated, onboard
- Range: 0 °C to 40 °C (32 °F to 104 °F)
- ± 0.1 °C (0.18 °F) resolution
- User calibrated to ± 0.1 °C (0.18 °F) accuracy

#### CO2 Sensor Specifications

- 0–2000 ppm
- 1–4 VDC output

#### Occupancy Sensor Specifications

- Passive Infrared Radiation (PIR) sensor
- digital output

#### Buttons

- SST-O, SST-O-J, SST-O-S, custom silicon rubber override button
- SST-UD, SST-UD-J, SST-O-S, custom silicon rubber up/down adjust buttons

#### Dimensions

- 12 cm L x 7.0 cm W x 2.25 cm H (4.72" L x 2.75" W x 0.89" H)

#### Weight

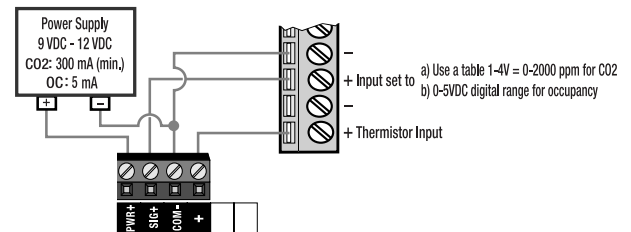
- 0.09 kg (0.195 lb.)

#### Ambient Limits

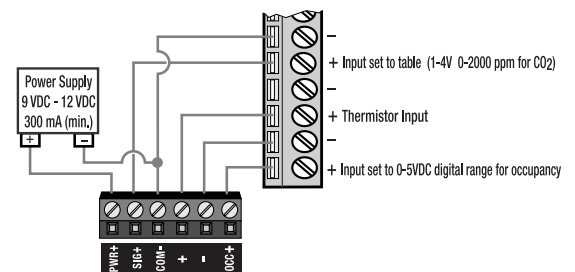
- Operating: 0 °C to 40 °C (32 °F to 104 °F)
- Shipping: -40 °C to 60 °C (-40 °F to 140 °F)
- Humidity: 10% to 90% RH non-condensing

## APPLICATION DIAGRAM

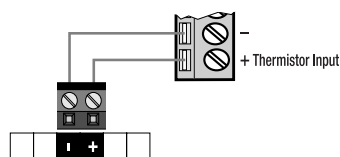
### For SST-CO2 & SST-OC models



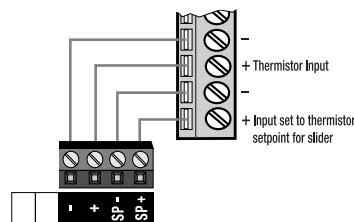
### For SST-CO2-OC model



### For SST, SST-J, SST-O, SST-O-J, SST-UD-J, & SST-UD-J models



### For SST-S & SST-O-S models



### For SST-CO2-S & SST-UD-OC-S models

