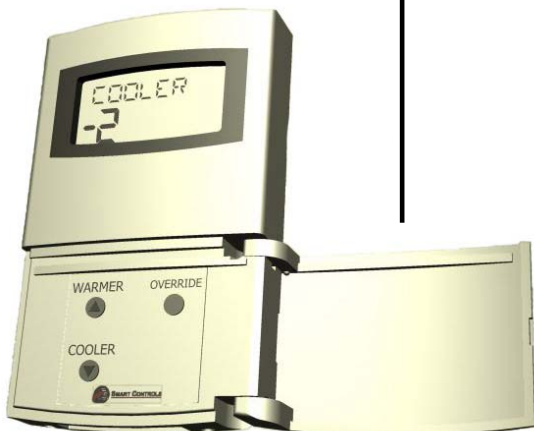


SI-10

FEATURE SUMMARY

- **Simple Elegance™ architectural styling**
- **User Interface:**
LCD Display
Top Line: 8 Character Alphanumeric
Bottom Line: 4-digit Discreetly Concealed 3-push-buttons for Set point Offset and Override
- **Precision SAP™ Temperature Sensor**
- **Field Configurable Programmable Comfort Adjustment Range and Temperature Display Offset.**
- **24 Vac/24 Vdc power input**
- **Engineered for Superior Accuracy & Performance SAP™**
- **2 Year Limited Warranty**



TEMPERATURE SENSOR INTERFACE



The SI-10 sets a new standard in aesthetics and functionality. The architectural design of the SI-10 was achieved through the input of industry professionals, as well as a multitude of end users. It's copyrighted design has been described as "Simple Elegance". The SI-10 quietly blends in to its surroundings and is as comfortable on the boardroom wall as it is in a classroom. Rave reviews have also been received by custom homeowners and designers. Architects and designers can now work in harmony with engineers and contractors. The aesthetic integrity of a building no longer has to be compromised to deliver optimum comfort and performance.

The simply elegant design of the SI-10 is only enhanced by its Superior Accuracy and Performance (SAP™). Optimum user functionality has been built in to every SI-10. The intuitive temperature sensor interface utilizes discreetly concealed adjustment buttons. The ease of use is unprecedented. When an adjustment is made through the SI-10, visual feedback is provided through the integral LCD display. The custom designed display incorporates 4 digits as well as 8 alphanumeric characters to aid in the simplicity of use and design.

Programmable Comfort Adjustment

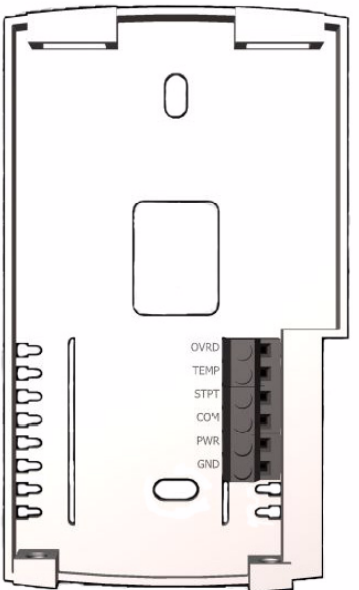
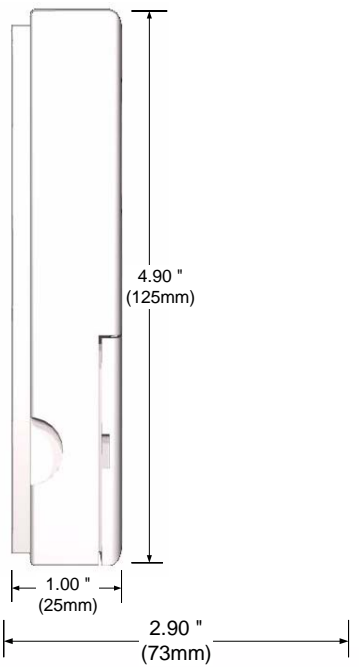
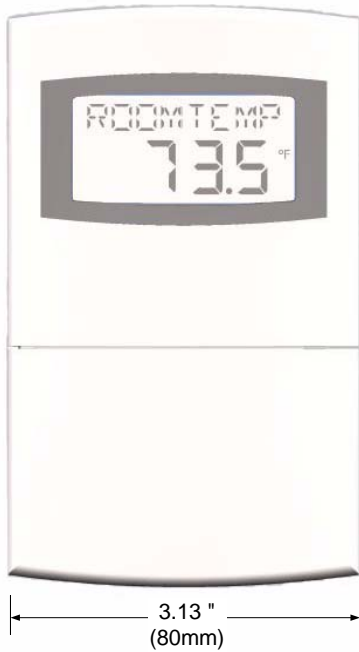
The "up" and "down" push-buttons are used to adjust the temperature set-point offset for optimum occupant comfort. The maximum range of set point offset can be easily modified in the programming mode. The maximum set point offset is factory set at +/- 2, but can be field adjusted up to a maximum of +/- 10 through the programming mode. No special tools or software are required to accomplish this. All programming mode functionality is accomplished in the field using a sequence of button presses.

Precision Internal SAP™ Temperature Sensor

The Si-10 incorporates a precision thermistor for Superior Accuracy and Performance (SAP™) of space temperature sensing assuring long term stability and maximum accuracy.

Override Push-button

In addition to the up and down arrows for set point offset adjustment, the SI-10 has a third button for after hours override requirements. The LCD momentarily displays OVERRIDE to provide visual confirmation to the occupant.



Specifications:

Power

Input Voltage Range: 12-28 Vac or Vdc
 Maximum Consumption: 2 VA
 Protection Circuitry: Transient Over voltage, ESD

Environmental

Operating Temperature: 0 °C to +50 °C, 32 °F to 122 °F
 Storage Temperature: -20 °C to +70 °C, -4 °F to 158 °F
 Relative Humidity: 5% to 95% (non-condensing)

Output - Temperature

Temperature Sensor: Onboard Thermistor, 10K Type II
 Output: Resistance Ohms, 10K @ 25 °C, 77°F
 Accuracy: ±0.2 °C, ±0.36 °F

Output - Set Point

Resistance Range: 0 – 10K ohms
 Maximum Applied Voltage: 5.5 Vdc

Output - Override

Digital: Push-button
 Rating: 5 volts DC, 200mA

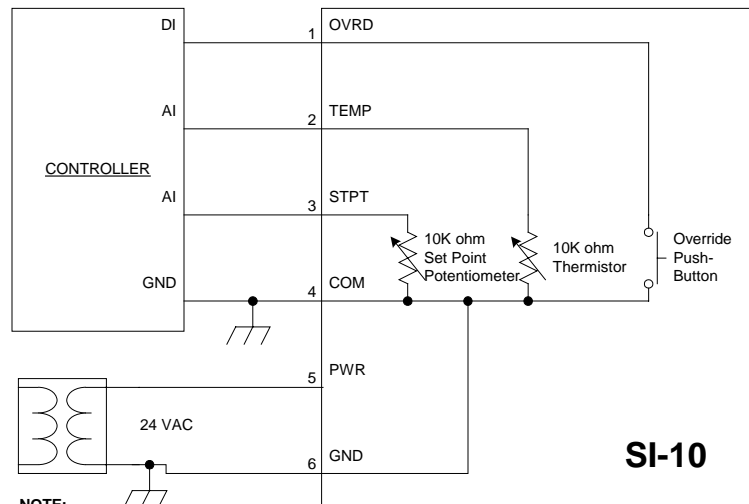
Enclosure

Display: 8 Character Alpha-Numeric
 4 Digit LCD Display
 Dimensions: L 4.90" x W 3.13" x H 1.0"
 (125 x 80 x 25 mm)
 Material: ABS, UL 94-VO rated

Warranty

Period: 2 Years (Limited)

Wiring Diagram:



NOTE:

1. "OVRD", "TEMP" and "STPT" use the same signal common.
2. Signal "COM" and power "GND" are electrically connected on the SI-10.
3. If multiple devices are powered by one transformer, polarity must be observed on transformer wiring.



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