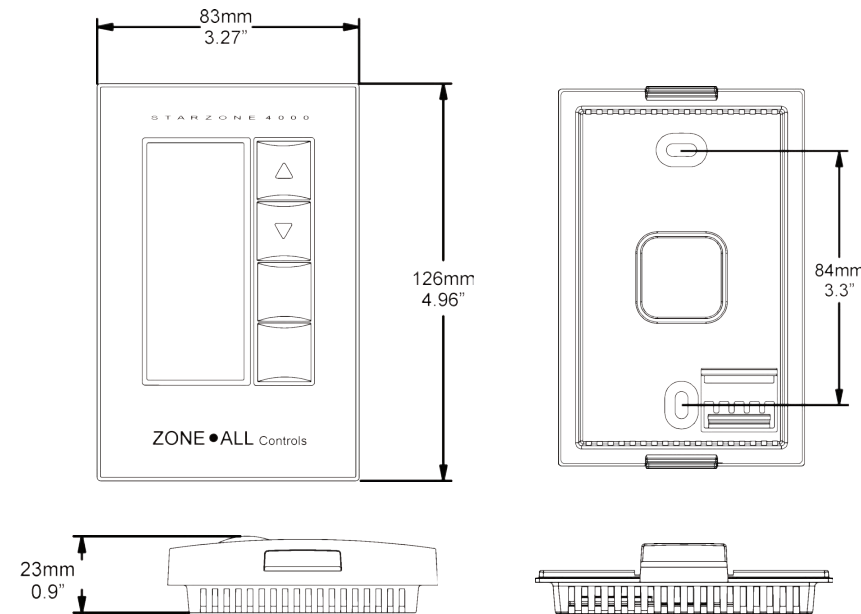


SUBMITTALS

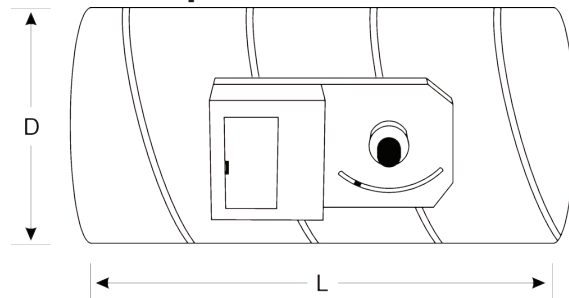
Stand Alone Thermostat



Specifications

Construction	White injection molded plastic
Power	12VDC supplied from damper actuator
Dead Band	2°F or 1°C
Set Point Range	66°F to 80°F (19°C to 27°C) default or 68°F to 77°F (20°C to 25°C)

Zone Damper



Capacities

Diameter	Length	Range (CFM)
6"	12"	0-216
8"	12"	216-385
10"	12"	385-600
12"	18"	600-1180
14"	18"	1180-1604
16"	20"	1604-2095

Specifications

Construction	Spiral 22 gauge steel. Riveted motor mount meeting ASHRAE and SMACHNA standards.
Bearings	Two brass bushings
Actuator	24VAC 3-wire floating powered open powered closed

ZONE • ALL controls



STA STAND ALONE DAMPER

Zone All Controls Inc. reserves the right to change design and/or specifications without prior notice, in accordance with our policy of continuous product improvement.

ZONE • ALL controls

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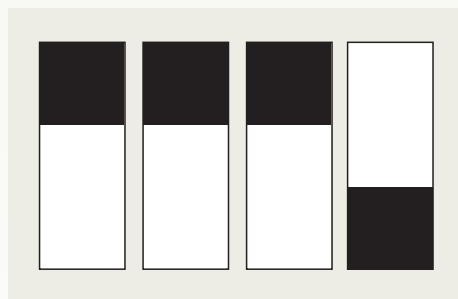
SOME LEAD... OTHERS FOLLOW

Features

Save time and money and get all you need in one package. The Model STA heat/cool changeover thermostat gives room temperature control by fully modulating the warm and cold air flow from your central HVAC system.

- Automatic Heat and Cool Changeover**
- Ventilation Mode during periods of no demand**
- Auxiliary Heat Relay for Baseboard or Duct Heater Control**
- 24 Hour Trend Logging**

Dip Switches

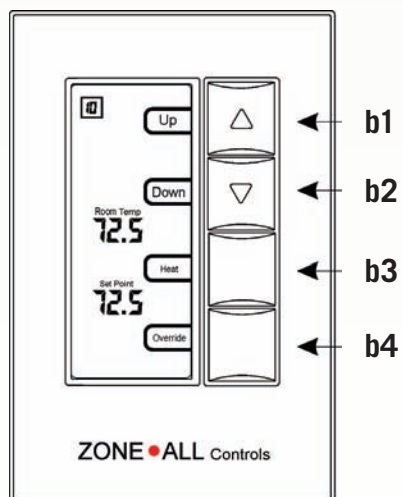


1 2 3 4

Located on the back of the thermostat are 4 dip switches. The function of the dip switches is as follows:

- Dip Sw #1** - Fahrenheit / Celsius Display
- Dip Sw #2** - Button Lockout
- Dip Sw #3** - Setup Menus Disabled
- Dip Sw #4** - Not used

Buttons



- b1 & b2** - Set Point temperature adjust
- b3** - Display indicates current mode of operation for either heating or cooling. b3 button is used to scroll through available menu options.
- b4** - Damper test override. Once this mode is entered, pressing the Up button will open the damper and turn on the aux. heat output. Pressing the Down button closes the damper and turns off the aux heat output.

Engineering Notes

A HVAC system fitted with STA thermostat and dampers will have it's air flow reduced as they close. If the capacity of the STAs exceed 30% of the system's air capacity, then a Model RAD by-pass damper should be installed on the main supply duct.

Menu Options

The sub-menus are accessed by simultaneously pressing the Up/Down buttons together. Button b3 advances to the next menu option, and b4 exits back to the main display. The upper left stat number indicates which sub-menu option you are in.

Menu Option #1 Trend Logging

By using the Up and Down buttons, the user can view the past 24 hours of operation.

Menu Option #2 Set Point Range

The Up and Down buttons can be used to select from two different set point ranges.

Menu Option #3 Thermostat Label

Each thermostat can be given a unique label between 1 and 99.

Menu Option #4 Calibration

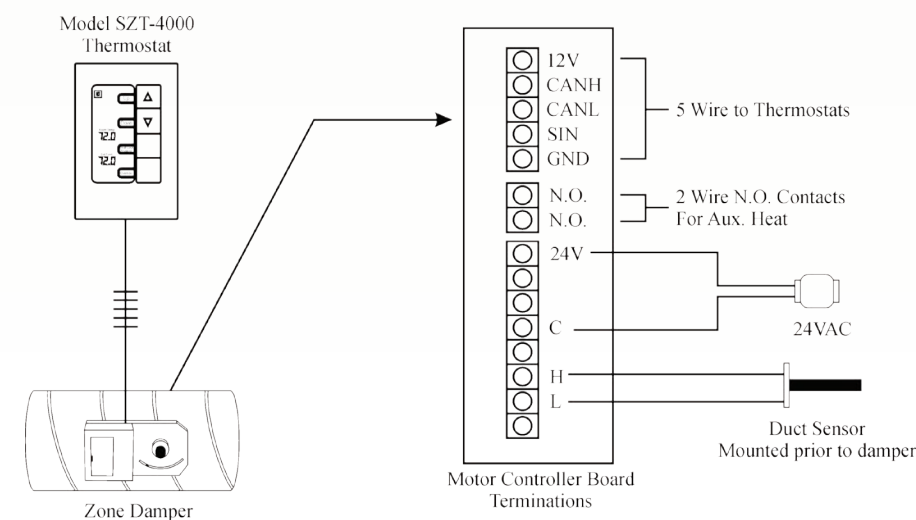
Sometimes it is not possible to locate a thermostat in the best location. From this menu, the thermostat's calibration can be offset to better reflect the room temperature.

Menu Option #5 Duct Heater On/Off

The STA thermostat supports integration to a duct heater. When duct heater mode is selected on a call from the auxiliary heat contact for heat, the damper is overridden to the open position to allow the duct heater to operate.

Menu Option #6 Factory Restore

From menu option #6, pressing the Up/Down buttons together will erase all settings in the thermostat and restore everything to the original factory presets.



Wiring Diagram

The STA may come with or without the damper included. When the damper is included, the Duct Sensor will already be installed and wired at the factory. Wiring consists of a 5 conductor cable between the thermostat and damper, a 2 conductor cable between the transformer and damper, and when necessary another 2 conductor cable between the damper and duct sensor. A normally open (N.O.) contact can be used to interface auxiliary heat components such as duct heaters and baseboards.