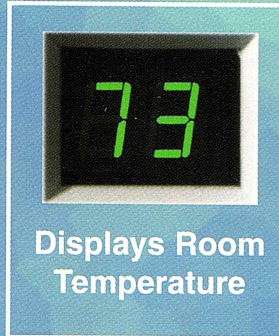
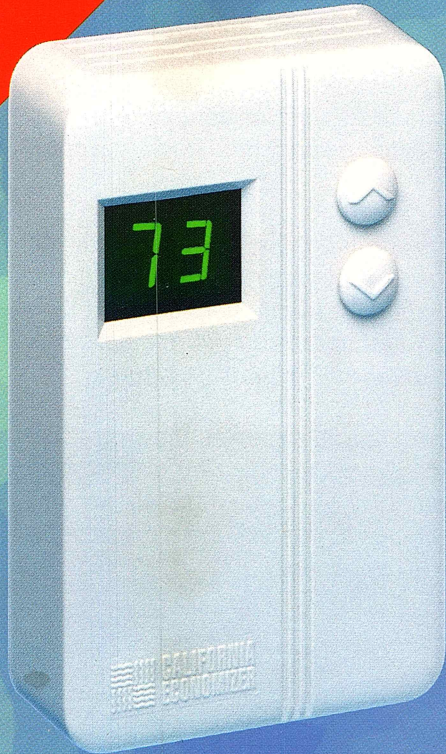
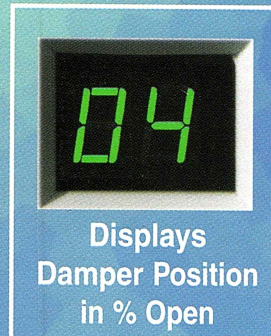


**NEW  
PRODUCT!**

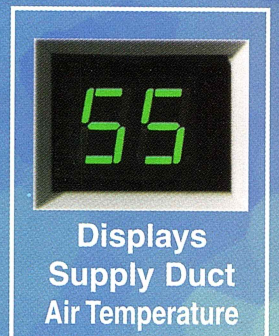
# Modulating Stand Alone Damper Control



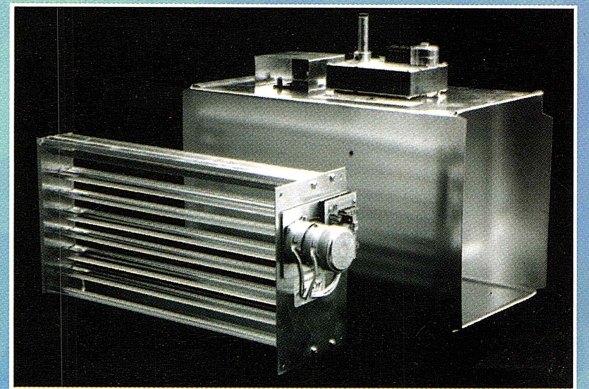
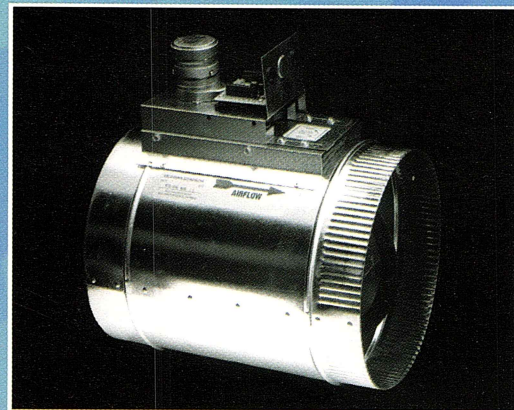
Displays Room  
Temperature



Displays  
Damper Position  
in % Open



Displays  
Supply Duct  
Air Temperature



*Zoning*



*"That's all we do"*



# SAMOD Modulating Damper Control

California Economizer's direct digital control (DDC) auto changeover thermostat is designed to control and modulate a stand alone diffuser or damper in commercial applications.

The 24 volt SAMOD thermostat displays room temperature using a large LED display. The display is illuminated and easy to read.

This dual set point thermostat is equipped with separate heat and cool set points. Each set point is adjustable using the two push buttons located on the cover of the thermostat.

The SAMOD is easy to calibrate in the field and provides an ON/OFF switch. The factory default set points are 70 degrees F. for heating and 73 degrees F. for cooling.

There are two LED's located under the cover of the SAMOD. One green and one red LED provide modulating data. When lit, the green LED indicates that the damper or diffuser is modulating open, while the red LED indicates that it is throttling down and modulating closed.

The thermostat includes an accurate duct sensor. The sensor is installed upstream of the damper or diffuser. The sensor sends the duct temperature to the thermostat via two field supplied, 20 ga. unshielded wires.

## FEATURES:

Control: Fully modulating

Temperature setting: Digital push button

Display: LED

Range: 54 - 86 degrees F.

Voltage: 24 VAC

Dimensions: Width 2.875", Height 4.5", Depth 1"

Color: Off white

Shipping weight: 1 lb.

No batteries required

Celsius models available

Factory default setting in memory

Change over duct sensor included

Slave capability: Up to 3 dampers off each stat

Available with a remote sensor

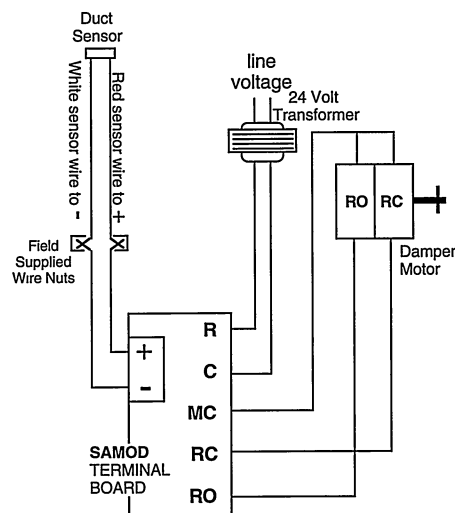
Note: SAMOD operates only with the ST-Series of dampers manufactured by California Economizer

The SAMOD has built in changeover set points. These set points tell the thermostat to change from a cooling to a heating thermostat and back again when necessary. If the duct temperature is 7 degrees above the room temperature, the thermostat will operate as a heating thermostat. On a call for heating the thermostat will modulate the damper towards the open position. A cooling call will close the damper. If the duct temperature is 3 degrees below the room temperature, the thermostat will operate as a cooling thermostat.

When the the duct temperature is between the changeover set points, the damper or diffuser will go to approximately 50% providing ventilation and circulation to the space.

The duct temperature and damper position can be displayed at the thermostat by pressing two buttons on the cover. These important readings help the installing or service contractor identify the duct temperature, systems mode of operation and damper position.

When both buttons are pressed together, the supply air temperature will be displayed followed by a display of the damper position. The damper positions are displayed in ten increments of percent open, modulating from 00 full closed to 10 full open.



PART NUMBER: SAMOD

**CALIFORNIA  
ECONOMIZER**

The Zoning Systems Company  
1-800-228-2966