

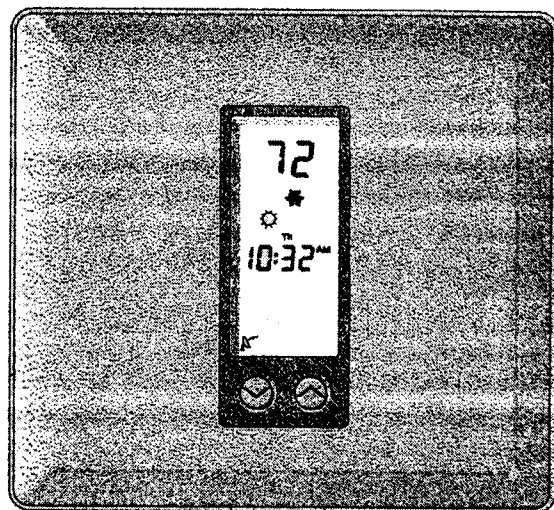
SLIMLINE

SMS-1

MULTISTAGE AUTO CHANGEOVER THERMOSTAT 2 HEAT / 2 COOL

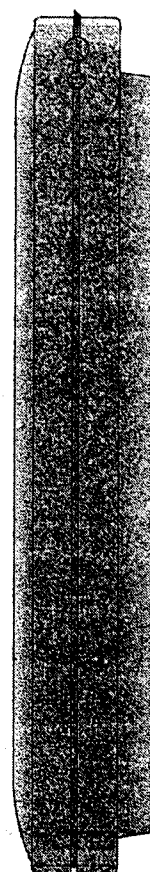
GENERAL DESCRIPTION

The SMS-1 multi-stage programmable thermostat is designed for new or replacement applications. The SMS-1 represents the latest in solid-state surface mount electronics and manufacturing techniques incorporated into an extremely low profile, ultra-slim white ABS plastic case. The SMS-1 contains a "user friendly" program along with an easy-to-read vertical LCD that displays all current information and operation modes. A direct wire, easy-to-install subbase mounts on a standard vertical outlet box or any dry wall surface using anchors and hardware provided.



STANDARD FEATURES

- Selectable Celsius or Fahrenheit temperature display.
- Fan selector for continuous fan operation.
- Built-in short cycle protection.
- Electronic circuitry replaces conventional mechanical anticipator.
- Internal switch to lock-out the keypad to prevent unauthorized tampering.
- 45 second fan purge after heating and cooling call.
- 12 hour or 24 hour clock.
- Copy button to allow one program to be copied to subsequent days.
- Does not require a battery (always maintains the setpoints and mode of operation following power outages of any duration.)
- Two free lights.
- Dry contact relay outputs.
- Lockable access cover.
- Temperature override (3 hours).
- Continuous override (Hold).
- LCD service symbols (selectable).
- Outdoor temperature sensor (optional).
- Indoor remote temperature sensor (optional).
- Independent circuit switching (allows 24 volt AC or DC power).
- 2°F (1°C) minimum Heat/Cool separation.
- Built-in anticipation & droop.
- Minimum on/off times (2 or 4 minute selectable).
- Occupied terminal output.
- Plenum fan switch.



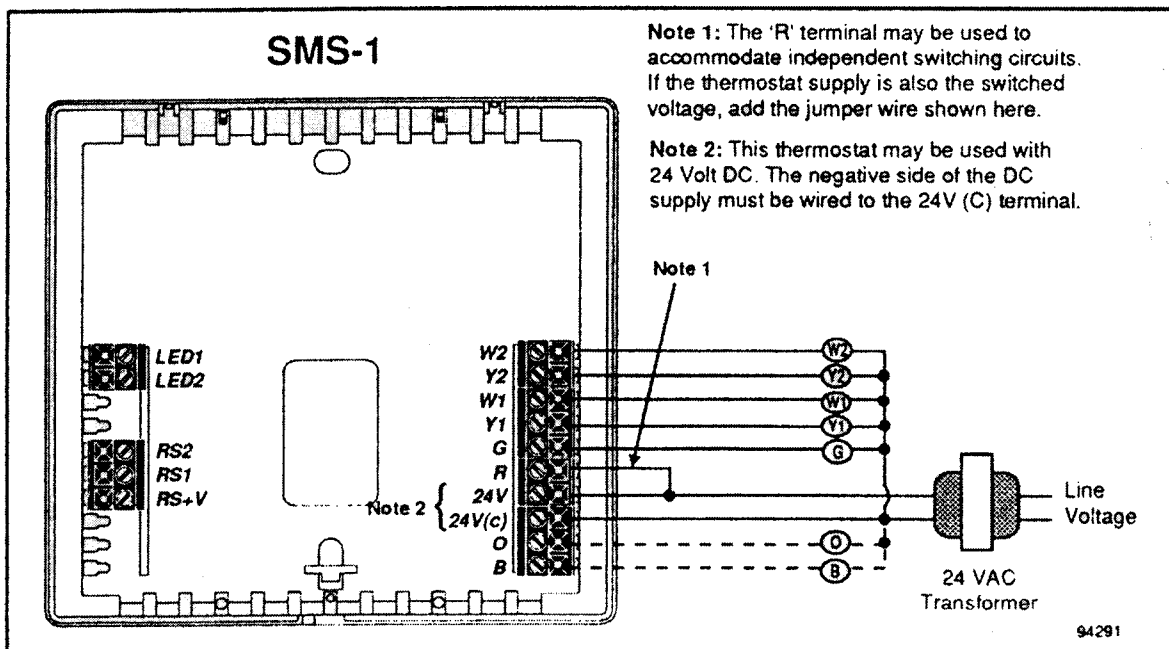
NOTE: Specifications are subject to change without notice.

ACTUAL SIZE

enerstat

SPECIFICATIONS

- Rated Voltage: 20 to 30 Vac, DC 24 Nominal
- Rated A.C. Current: .050 Amps to 0.5 Amps continuous
.050 Amps per output with surges to 1 Amp Max.
- Rated D.C. Current: .0 Amps to 0.5 Amps continuous
.050 Amps per output with surges to 1 Amp Max.
- Control Range Heating: 40 to 88°F in 1° Steps (6 to 30°C in 1° Steps)
Cooling: 60 to 108°F in 1° Steps (16 to 40°C in 1° Steps)
- Thermostat
- Measurement Range 28 to 124°F or 0 to 48°C
- O.D.T.
- Measurement Range -50 to 124°F or -48 to 48°C
- Control Accuracy: ± 1°F at 68°F (0.5°C at 20°C)
- Minimum Deadband (between heating and cooling) 2°F or 1°C
- Dimensions: 4.5"H x 5.0"W x 7/8"D (114mm x 127mm x 22mm)
- Terminations: 24 Vac, 24 Vac (C), W1, W2, Y1, Y2, G
- Minimum Wires Required: 7



OUTPUT TERMINAL FUNCTIONS

- | | | | |
|--------------|--|------------------|---|
| W1 | Energizes on a call for First stage heat | 24Vac (C) | 24 Vac Common from the equipment transformer |
| W2 | Energizes on a call for Second stage heat | LED 1 | Free lights for status or function indication |
| Y2 | Energizes with a call for Second stage cooling | LED 2 | |
| Y1 | Energizes with a call for cooling | RS2 | Use to connect Outdoor Temperature Sensor Option and/or Indoor Remote Sensor Option. Refer to the instructions included with the sensors. |
| G | Fan is energized with a call for Heating or Cooling or selected by pressing the Fan button | RS+V | |
| R | Independent Switching Voltage | O | Energizes in the Cooling mode. |
| 24Vac | 24 Vac Hot from the equipment transformer | B | Energizes in the Heating mode. |