

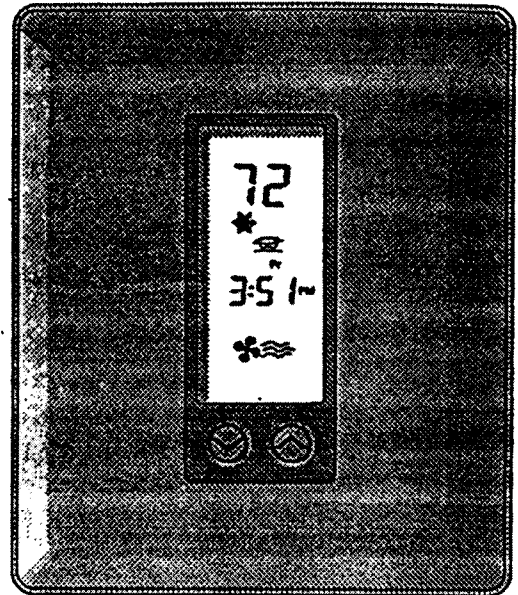
# SLIMLINE

## SHC-7

### COMMERCIAL AUTO CHANGEOVER PROGRAMMABLE HEATING & COOLING THERMOSTAT - 1 HEAT/1 COOL

#### GENERAL DESCRIPTION

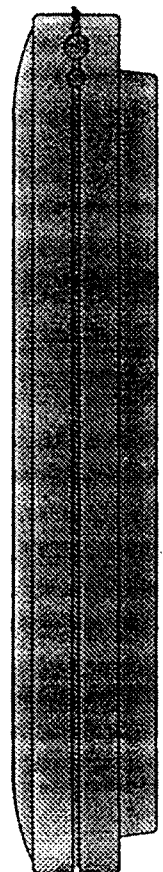
The SHC-7 programmable thermostat is designed for new or replacement applications. The SHC-7 represents the latest in solid-state surface mount electronics and manufacturing techniques incorporated into an extremely low profile, ultra-slim white ABS plastic case. The SHC-7 contains a "user friendly" 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 feature to allow one program to be copied to subsequent days.
- Does not require a battery (always maintains the last setpoints and mode of operation following power outages of any duration.)
- Smart Fan function.
- 7 day programming with 2 or 4 events per day (selectable).
- Lockable access cover.
- Plenum fan switch.
- Temperature override (3 hours).
- Continuous override (Hold).
- Outdoor temperature sensing (optional).
- Indoor remote temperature sensing (optional).
- Relay outputs.
- 2°F (1°C) minimum Heat/Cool separation.
- Built-in anticipation & droop.
- Minimum on/off times (2 or 4 minute selectable).

*NOTE: Specifications are subject to change without notice.*

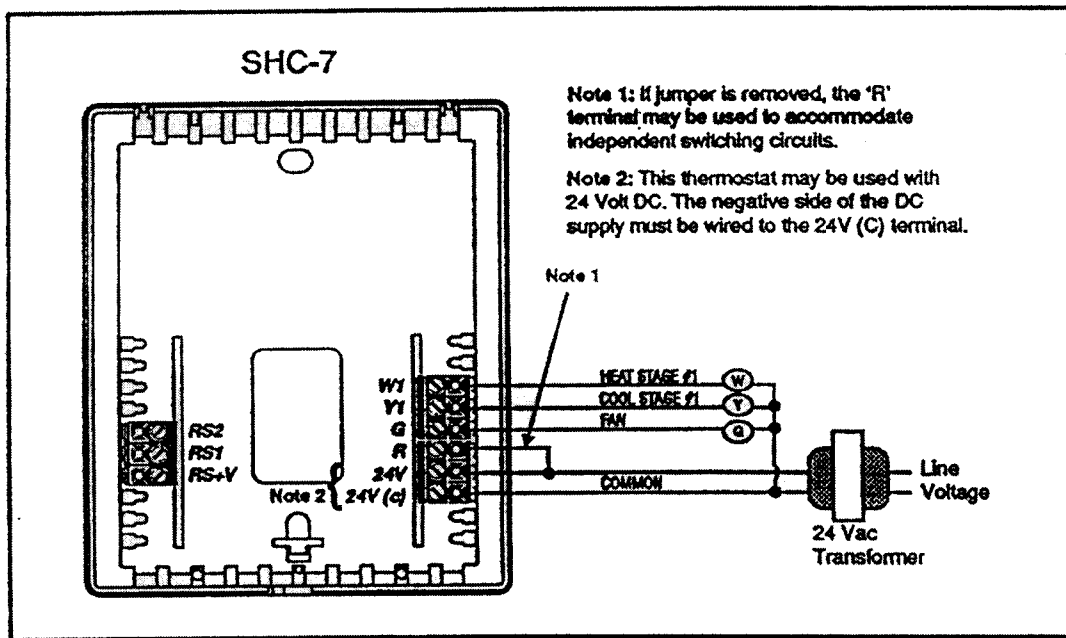


ACTUAL SIZE

# enerstat™

# SPECIFICATIONS

- Rated Voltage: 20 to 30 Vac, DC 24 Nominal
- Rated A.C. Current: .050 Amps to 0.5 Amps continuous per output with surges to 1 Amp Max.
- Rated D.C. Current: 0 Amps to 0.5 Amps continuous 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 4"W x 7/8"D (114mm x 102mm x 22mm)
- Terminations: 24 Vac, 24 Vac (C), W1, Y1, G
- Minimum Wires Required: 5



## OUTPUT TERMINAL FUNCTIONS

- |   |   |
|---|---|
| <p><b>W1</b> Energizes on a call for First Stage Heat</p> <p><b>Y1</b> Energizes with a call for Cooling</p> <p><b>G</b> Fan is energized with a call for Heating or Cooling or selected by pressing the Fan button</p> <p><b>R</b> Independent Switching Voltage</p> | <p><b>24Vac</b> 24 Vac Hot from the equipment transformer</p> <p><b>24Vac (C)</b> 24 Vac Common from the equipment transformer</p> <p><b>RS2</b> Use to connect Outdoor Temperature Sensor</p> <p><b>RS1</b> Option and/or Indoor Remote Sensor Option.</p> <p><b>RS+V</b> Refer to the instructions included with the sensors.</p> |
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