

SLIMLINE

SHP-2

TWO COMPRESSOR AUTO CHANGEOVER PROGRAMMABLE THERMOSTAT – 3 HEAT/2 COOL

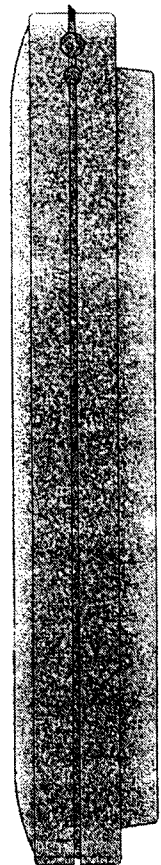
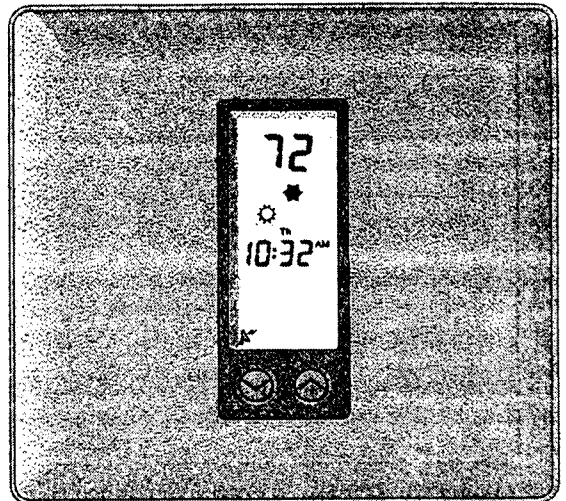
GENERAL DESCRIPTION

The SHP-2 programmable thermostat is designed for new or replacement commercial heat pump applications. The SHP-2 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 SHP-2 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.
- Electronic calibration.
- 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 setpoints and mode of operation following power outages of any duration.)
- Smart Fan function.
- Selectable O or B reversing valve outputs.
- Dry contact relay outputs.
- Built-in auxiliary heat light indicator.
- Two free lights.
- 7 day programming with 2 or 4 events per day (selectable).
- Lockable access cover.
- Adjustable balance point (ODT option).
- 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).

NOTE: Specifications are subject to change without notice.

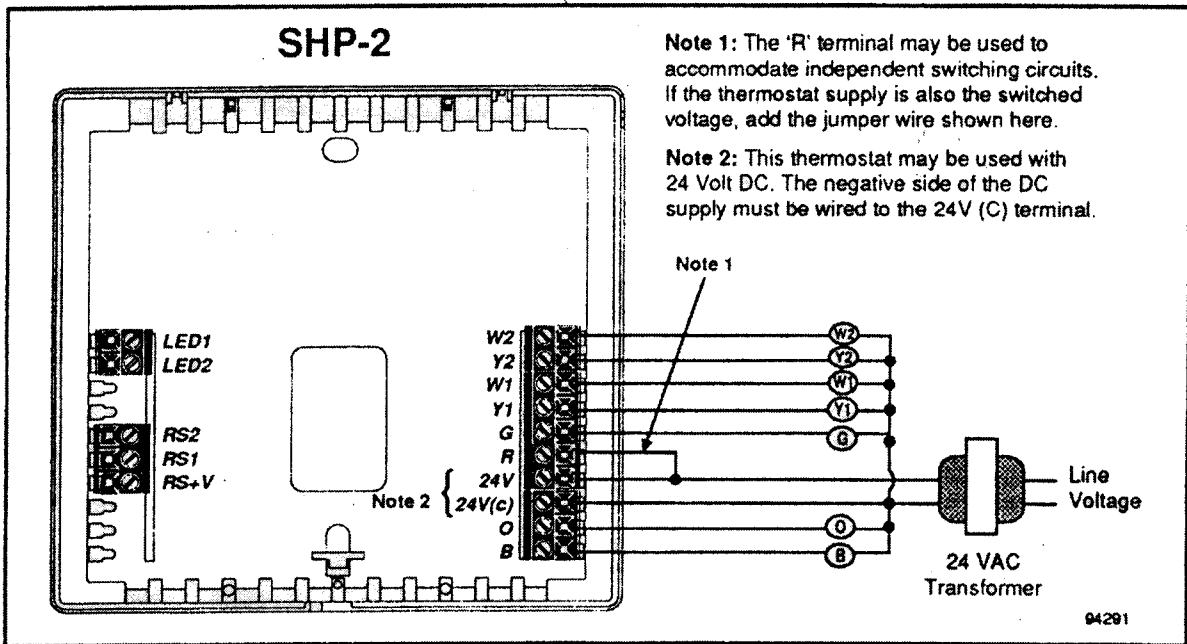


ACTUAL SIZE

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: 38 to 88°F in 1° Steps (5 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), W2, Y2, W1, Y1, G
- Minimum Wires Required: 7



OUTPUT TERMINAL FUNCTIONS

<p>W1 Auxiliary Heat is energized as third stage heating or Emergency Heat</p> <p>W2 Energizes second Auxiliary stage during Emergency Heat</p> <p>Y2 Compressor is energized with a call for second stage Heating or Cooling</p> <p>Y1 Compressor is energized with a call for Heating or Cooling</p> <p>G Fan is energized with a call for Heating or Cooling or selected by pressing the Fan button</p>	<p>R Independent Switching Voltage</p> <p>24Vac 24 Vac Hot from the equipment transformer</p> <p>24Vac (C) 24 Vac Common from the equipment transformer</p> <p>LED 1 > Free lights for status or</p> <p>LED 2 > function indication</p> <p>RS2 > Use to connect Outdoor Temperature Sensor</p> <p>RS1 > Option and/or Indoor Remote Sensor Option</p> <p>RS+V > Refer to the instructions included with the sensors</p> <p>O Energizes the reversing valve in the Cooling mode</p> <p>B Energizes the reversing valve in the Heating mode</p>
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