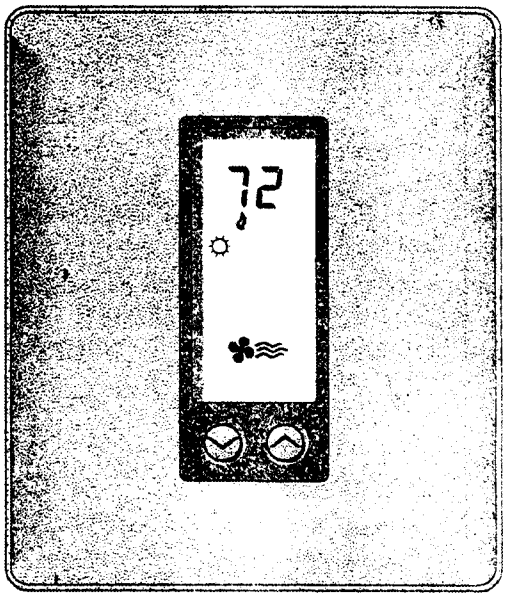
SLIMLINE

DSL-600

TWO COMPRESSOR AUTO CHANGEOVER HEAT PUMP THERMOSTAT WITH AUXILIARY HEAT – 3 HEAT / 2 COOL

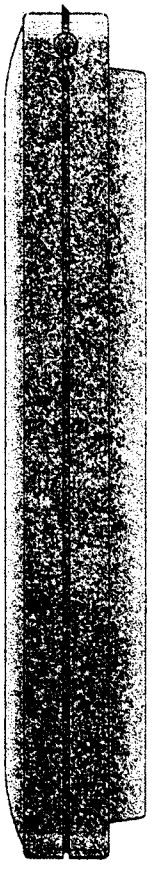


GENERAL DESCRIPTION

The DSL-600 two compressor thermostat is designed for new or replacement heat pump applications. The DSL-600 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 DSL-600 offers "user friendly" control of the heat pump system along with an easy-to-read vertical LCD that displays complete operation status. 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.
- Day/Night button for user selectable alternate setpoint manual setback .
- Does not require a battery (always maintains the last setpoint and mode of operation following power outages of any duration.)
- Built-in Auxiliary Heat light indicator.
- Selectable O or B reversing valve outputs.
- Outdoor temperature sensor (optional).
- Indoor remote sensor (optional).
- 2°F (1°C) minimum Heat/Cool separation.
- Minimum on/off time (2 or 4 minute selectable).
- Two free lights.
- Dry contact relay outputs.
- Lockable access cover.
- Remote clock terminals.
- Switchable LCD icons.
- Independent circuit switch.
- Built-in anticipation & droop.



ACTUAL SIZE

NOTE: Specifications are subject to change without notice.

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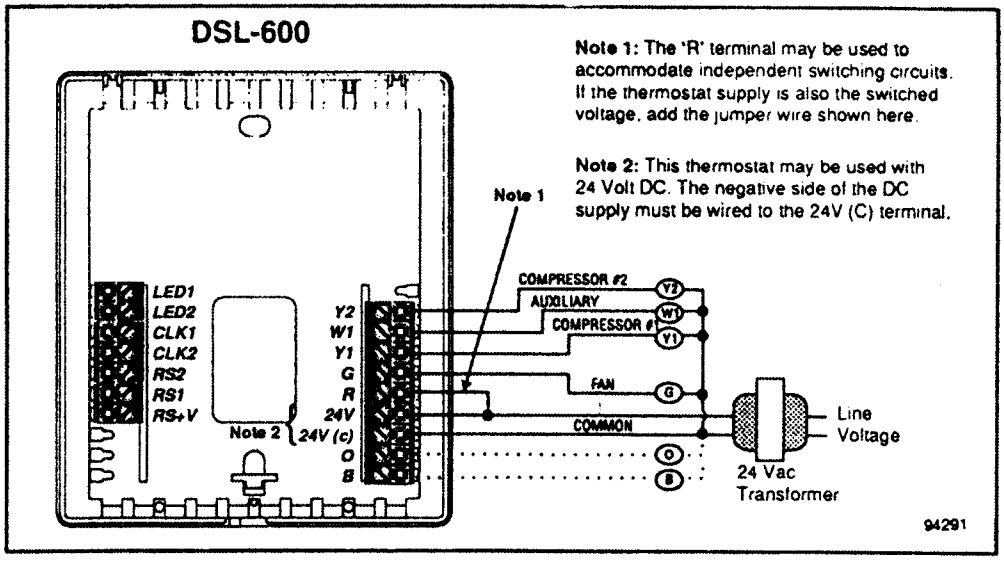
SPECIFICATIONS

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), Y1, Y2, W1, G, O/B
Minimum Wires Required:	7

***NOTE:** This thermostat contains electronic circuitry replacing the conventional mechanical anticipator.*



OUTPUT TERMINAL FUNCTIONS

W1	Auxiliary Heat is energized as second stage heating or Emergency Heat
Y1	Compressor is energized with a call for heating or cooling
Y2	Compressor is energized for 2nd stage heating or cooling
G	Fan is energized with a call for heating or cooling or selected by fan button
O	Energizes the reversing valve in cooling mode
B	Energizes the reversing valve in heating mode
R	Independent switching voltage
24Vac	24Vac Hot from equipment transformer
24Vac (C)	24 Vac Common from equipment transformer
LED1, **LED2**	Free lights for status or function indication
CLK1, **CLK2**	Use with remote clock/timer for alternate setpoints
RS2, **RS1**, **RS+V**	Use to connect Outdoor Temperature Sensor option and/or Indoor Remote Sensor option. Refer to the instructions included with the sensors.

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