RTC3 SERIES



RTC30

ELECTRONIC ROOM THERMOSTAT

The **RTC30** thermostat is an ideal replacement or alternative to mechanical thermostats, having a far superior accuracy and response time. The thermostat is designed to be used in conjunction with a remote System ON/OFF Switch or a Time Clock. Heating & Cooling changeover is automatic with a Deadband adjustment between 2 or 3 degrees. The setpoint adjuster can be concealed or exposed.

Features

- Australian made and designed.
- Dual supply voltage 24v or 240v A.C (User selectable).
- 5 AMP (Resistive) Potential free relay contacts.
- L.E.D Indication of all outputs.
- Selectable dead zone between Heat and Cool.
- Concealed or exposed setpoint adjustment.
- Compatibility to package AC units and Heat Pumps.

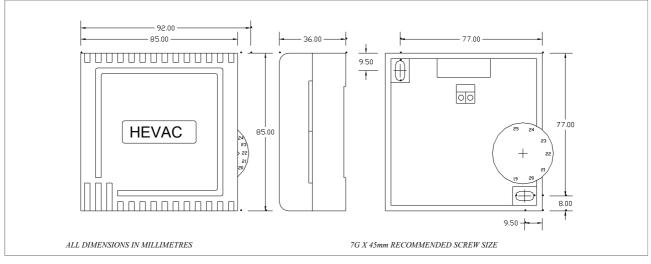


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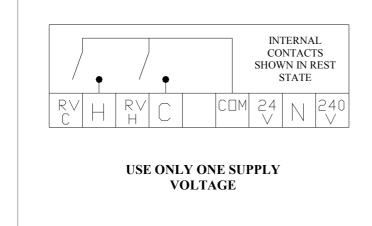
Technical Specifications

Power supply	24VAC or 240VAC
Power consumption 240 volts	7 VA
Power consumption 24 volts	I VA
Heating and Cooling relay outputs	240VAC 5 amp resistive 2 amp inductive
Reversing valve relay outputs	240VAC 3 amp resistive 1.5 amp inductive
Temperature range	16 to 28 Degrees Centigrade
Switching differential	0.5 Degrees Centigrade
Deadzone <u>between</u> heat & cool (Factory Set to 2oC)	Selectable, 2 or 3 Degrees Centigrade
Output indication	Green LED for Cooling Red LED for Heating

Dimensions

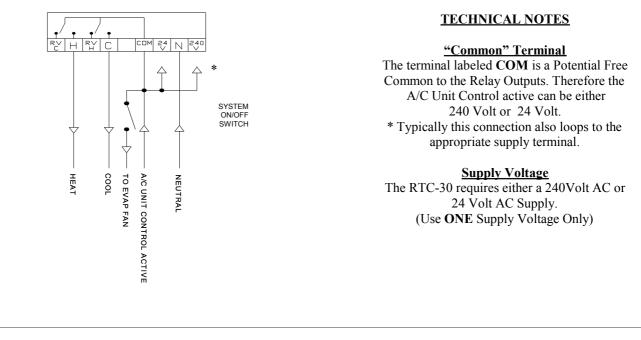




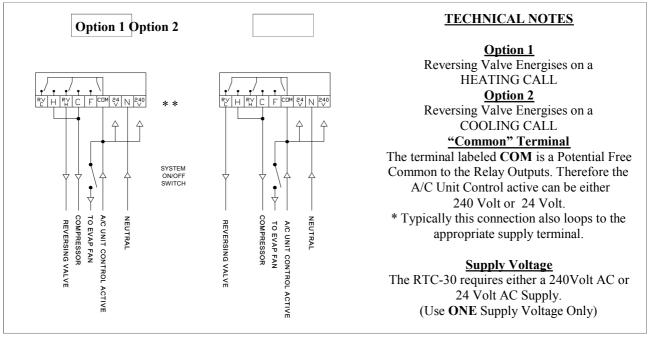


REVERSING VALVE FOR COOLING
HEATING OUTPUT
REVERSING VALVE FOR HEATING
COOLING OUTPUT
COMMON SUPPLY TO RELAYS
24 VOLT AC SUPPLY INPUT
NEUTRAL CONNECTION
240 VOLT SUPPLY INPUT

Electrical Schematic for Heat / Cool A/C Units



Electrical Schematic for Compressor Reversing Valve Type A/c Units



Quick Test Information

All HEVAC Controllers are Factory Calibrated and Pre-set to Industry Standard Defaults prior to dispatch. If you require further information on these Settings please Refer to the Technical Specifications Page.

The RTC-30 Electronic Room Thermostat is equipped with a TEST Facility Jumper on the Circuit Board. Follow these Steps to perform a Quick Test.

STEP 1: Remove the shorting jumper from the NORM Position and place it in the TEST Position. (Simulates a 22oC Setpoint)

STEP 2: Dial the Setpoint Up and confirm that the HEATING (Red) LED turns ON.

STEP 3: Dial the Setpoint Down and confirm that the COOLING (Green) LED ON.

STEP 4: Return the TEST jumper back to the NORM Position.