

RSC SERIES



RSC-2

WALL MOUNT ROOM SENSOR/CONTROLLER with MODULATING OUTPUTS

The RSC-2 is a wall mount room sensor and temperature controller.

It incorporates a reverse acting and direct acting 0-10VDC modulating output.

Constructed from high impact ABS plastic, the housing is specifically designed with sensor sensitivity in mind making the RSC-2 very responsive even in low airflow situations.

Cable entry is from the rear with side knockouts for cable duct on three sides, allowing for easy electrical installation.

Features

- Australian made and designed.
- Aesthetic neutral coloured cream housing.
- Housing designed to reduce wall temperature offset.
- Large air grilles allowing for maximum air flow sensing.
- Measures radiant heat and air temperature.
- Incorporates a user Test facility.
- R/A and D/A modulating 0-10VDC outputs.

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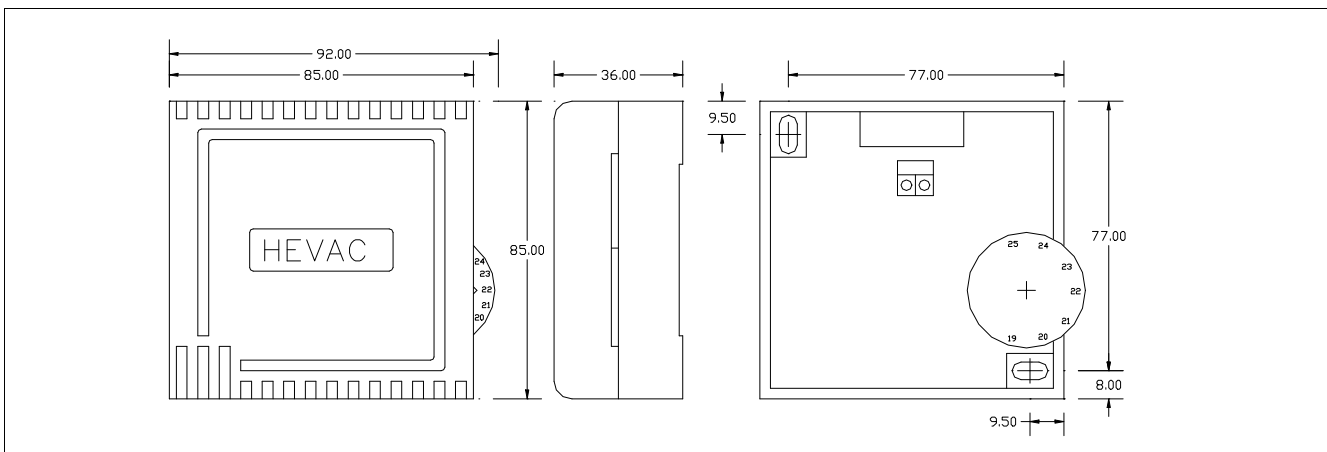
SALES: sales@hevac.com.au

TECHNICAL: technical@hevac.com.au

Technical Specifications

<i>Power supply</i>	<i>24VAC</i>
<i>Power consumption 24 volts</i>	<i>1 VA</i>
<i>Temperature range</i>	<i>16 to 28 Degrees Centigrade</i>
<i>Temperature Adjustment-Convertible</i>	<i>Exposed or Concealed Adjustment</i>
<i>Reverse Acting Output (YH)</i>	<i>0-10VDC</i>
<i>Direct Acting Output (YC)</i>	<i>0-10VDC</i>
<i>Deviation Output (Y)</i>	<i>0-10VDC over full Setpoint Range</i>
<i>Proportional Band Adjustment (Factory Default = PB LINK UNCUT)</i>	<i>YH=1.50 YC=1.50 Y=10.0 Degrees C</i>
<i>Proportional Band Adjustment (PB LINK CUT)</i>	<i>YH=0.5 YC=0.5 Y=3.0 Degrees C</i>
<i>DeadZone between Heating and Cooling start</i>	<i>0.5 Degrees Centigrade</i>
<i>Output indication (Intensity of ALL LED'S vary with the Signal Output)</i>	<i>Green LED for Cooling Red LED for Heating</i>
<i>Test Facility Jumper in TEST position (Factory Default = NORM Position)</i>	<i>Simulates 22.0 Degrees Centigrade</i>
<i>VAV / FCU OUTPUT JUMPER (Factory Default = F.C.U Position)</i>	<i>Set to VAV position for VAV Systems Set to FCU position for Fan Coil Systems</i>

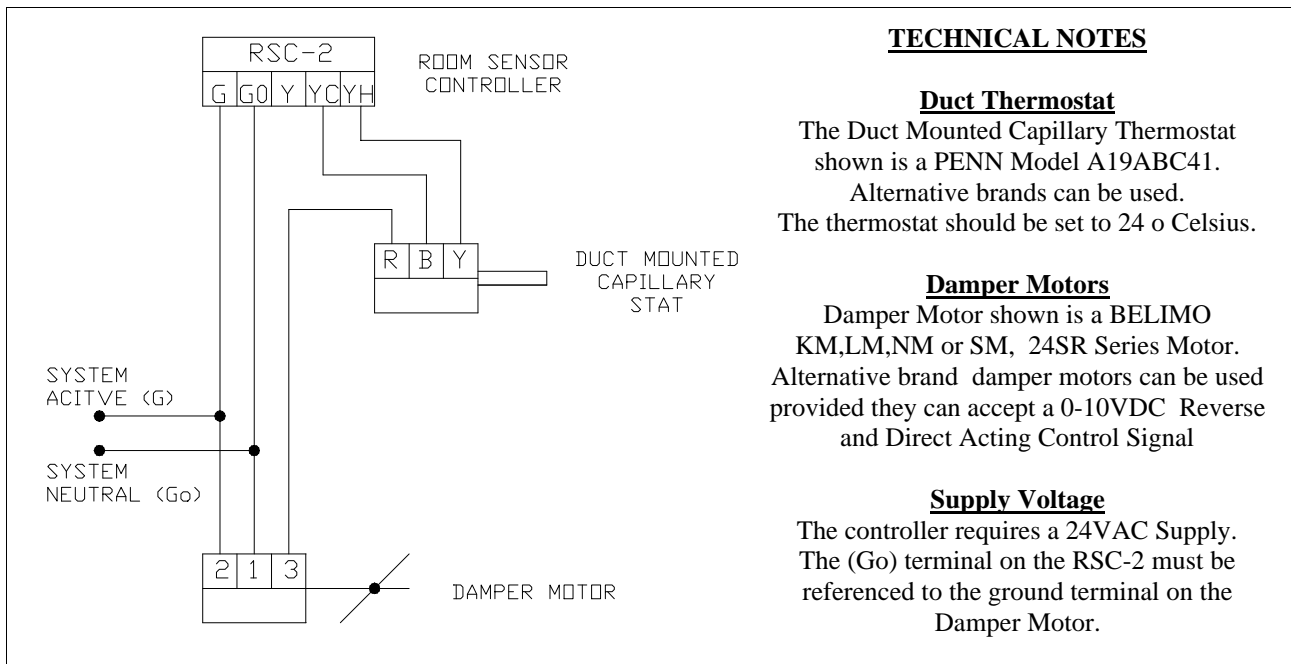
Dimensions



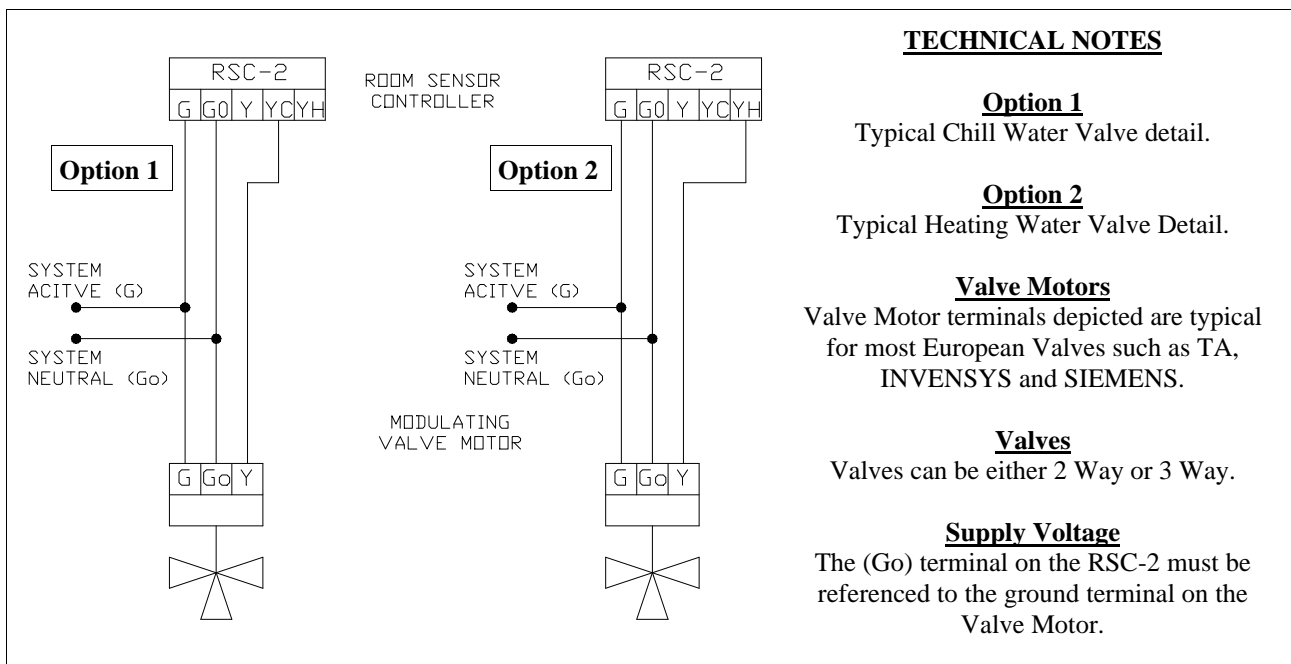
Terminal Designations

G	24 VOLT AC SUPPLY ACTIVE
Go	24 VOLT AC SUPPLY GROUND REFERENCE
Y	0-10VDC DEVIATION OUTPUT
YH	0-10VDC REVERSE ACTING HEATING OUTPUT
YC	0-10VDC DIRECT ACTING COOLING OUTPUT

Electrical Schematic for typical Variable Air Volume System



Electrical Schematic for Cooling and Heating Valve Configurations



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 RSC-2 Room Sensor/Controller 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.

STEP 2: Dial the Setpoint Up and confirm that the HEATING (Red) LED goes to full brightness.

STEP 3: Dial the Setpoint Down and confirm that the COOLING (Green) LED goes to full brightness.

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

Other HEVAC Quality Products

HEVAC CONTROLS

SENSORS

- AVERAGING ROOM SENSORS
- DUCT SENSORS
- PIPE SENSORS
- ROOM SENSORS WITH LCD DISPLAY
- REMOTE SETPOINT ADJUSTERS
- ROOM SENSORS WITH VARIOUS SWITCH FUNCTIONS

HTC ANALOGUE CONTROLLERS with the following features

- DUAL SUPPLY VOLTAGE 24 VOLT OR 240 VOLTS AC
- 0 –10 VDC ECONOMY CYCLE OUTPUTS
- COMPARATORS EITHER ON/OFF OR MODULATING
- 0-10 VDC MODULATING CHILL WATER & HOT WATER OUTPUTS
- AUXILIARY ELECTRIC ELEMENT STAGES
- TRIPLE COMPRESSOR HEAT PUMP MODELS
- ON/OFF ECONOMY CYCLE OUTPUTS

RTC ELECTRONIC ROOM THERMOSTATS with the following features

- DUAL SUPPLY VOLTAGE 24 VOLT OR 240 VOLTS AC
- 5 AMP (Resistive) POTENTIAL FREE RELAY CONTACTS
- L.E.D INDICATION OF ALL OUTPUTS
- CONCEALED OR EXPOSED SETPOINT ADJUSTMENT

HHC HUMIDITY CONTROLLER with the following features

- 0 –10 VDC HUMIDIFICATION OUTPUT
- 0 –10 VDC DE-HUMIDIFICATION OUTPUT
- ON/OFF HUMIDIFICATION OUTPUT
- ON/OFF DE- HUMIDIFICATION OUTPUT
- DC POWER SUPPLY FOR HUMIDITY SENSOR

HDT-6 MULTISTAGE DELAY ON TIMER with the following features

- DUAL SUPPLY VOLTAGE 24 VOLT OR 240 VOLT
- SEVEN USER ADJUSTABLE DELAY SETTINGS
- TEST FACILITY

LT-SERIES LAMP TEST MODULES

IF YOU HAVE A SPECIFIC REQUIREMENT OR REQUIRE FURTHER TECHNICAL ASSISTANCE PLEASE CONTACT OUR FRIENDLY SALES STAFF.

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