



INTERIM LEAFLET

ECCO-D-24v

24v TEMPERATURE
HIGH/LOW LIMIT
THERMOSTAT

WALL MOUNT THERMOSTAT WITH ADJUSTABLE LOW & HIGH TEMPERATURE LIMITS

- Australian Made and designed
- Power Supply 24v AC or DC
- 10 Amp (Resistive) Potential free C/O relay contacts
- L.E.D Indication of all output status
- Bright Blue L.E.D Temperature Display
- Individual adjustable Low & High Temperature Limit setpoints

The ECCO-D-24v is basically a high / low limit thermostat operating a common relay. The thermostat includes a digital display and I/O status leds and is mainly targeted for use as an electronic thermostat interlocked with a car park ventilation systems that also has to cater for extreme temperatures caused by basement mounted multiple air conditioning condensing units that cause high or low temperatures during heavy A/C use. The ECCO-D has independent low & high temperature limit setpoint adjustments, such that should the carpark temperature fall below the low limit setting (adjustable from 8 to 22c) or above the high limit setting (adjustable from 22 to 34c) the ECCO's common relay will energise. The ECCO's relay would be interlocked with the basement ventilation system which is typically a CO monitoring & control system as per Hevac's HCP7 or SACO CO controllers. This thermostat is also suitable for any application where reaction to high & low temperatures have to trigger a common on/off response ie low / high temperature alarm. Temperature response can be set to react to high & low temperatures (factory default) or just to low or high temperatures as set by user settable jumper pins.

Technical Data

General Specifications

Operating Voltage	24 Volts AC or DC
Power Consumption	
24 Volts	2 VA
Switching Capacity of Relay	
Voltage	AC 0...250 Volts
Current	10 (3) A
Minimum O/A temperature limiter S/P	8...22 oC
Maximum O/A temperature limiter S/P	22...34 oC
Switching Differential	1 oC (NON Adjustable)
Output Indications	3 digit LCD temperature display ie 22.3 c
Limit Relay operation	status by on/off Red LED

Environmental Conditions

Operation	
Ambient Temperature	0...45oC
Humidity	< 95 % RH (Non Condensing)
Storage and Transport	
Ambient Temperature	-5...65oC
Humidity	< 90 % RH (Non Condensing)

Product Standards

Built to Australian standards including pcb voltage segregation requirements.

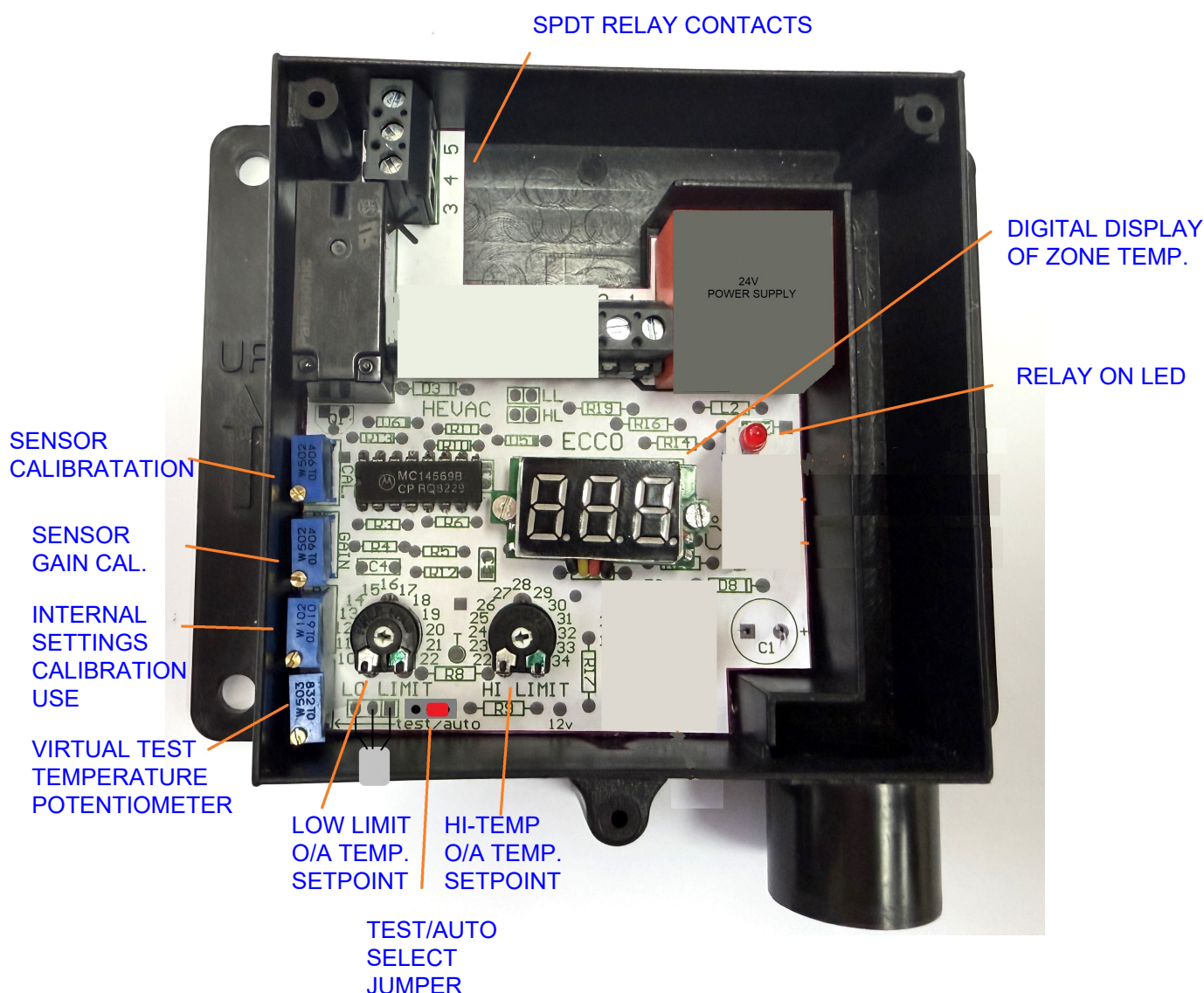
Weight

Including Packaging 150 grams

Housing

Colour	Black
Material	ABS POLYCARB
UV Stabilised	YES
Fire Retardant	YES
Size	L130mm x W120mm x D35mm
Mounting Method	Wall mount 4 screw locations

ECCO THERMOSTAT SETTINGS & ADJUSTMENTS



LOW LIMIT POTENTIOMETER USED TO SET LOW TEMP LIMIT SETPOINT TO ENERGISE RELAY

HIGH LIMIT POTENTIOMETER USED TO SET HIGH TEMP LIMIT TEMPERATURE TO ENERGISE RELAY

A **TEST JUMPER & POTENTIOMETER** IS PROVIDED TO AID IN TESTING & COMMISSIONING WITH USE OF A TEST MODE JUMPER. FOR TESTING RELOCATE THE JUMPER FROM THE NORMAL "AUTO" POSITION TO THE "TEST MODE" POSITION. THE INTERNAL SENSOR BEAD IS DISCONNECTED AND AN ADJUSTABLE POTENTIOMETER IS USED TO SIMULATE ZONE TEMPERATURE.

SENSOR CALIBRATION THE ECCO IS FACTORY CALIBRATED BUT CAN BE TRIMMED BY THE TOP LEFT HAND SIDE POTENTIOMETER MARKED "CAL" IF REQUIRED.

