

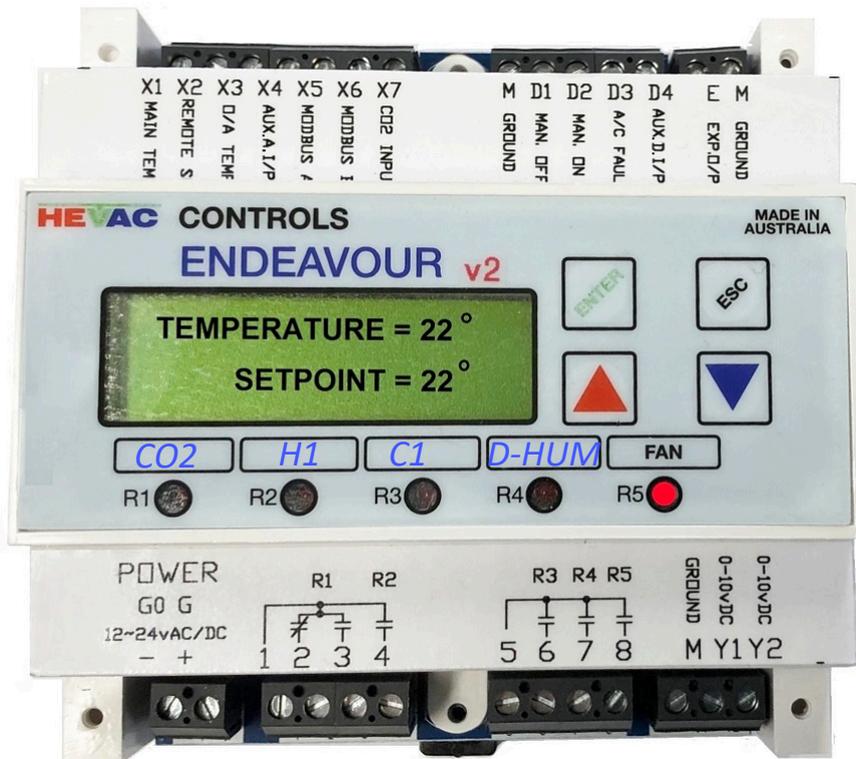
HEVAC ENDEAVOUR CONTROLLER UPDATE

AUTOMATIC OUTSIDE AIR TEMPERATURE & HUMIDITY "SETPOINT RESET"

We have greatly enhanced our Endeavour controller's energy & comfort control capabilities to now allow automatic operating setpoint shift based on both outside air temperature and room or outdoor humidity.

This basically allows the controllers setpoint to be automatically adjusted to settings that track peoples typical perception of comfort (I FEEL) based on seasonal conditions.

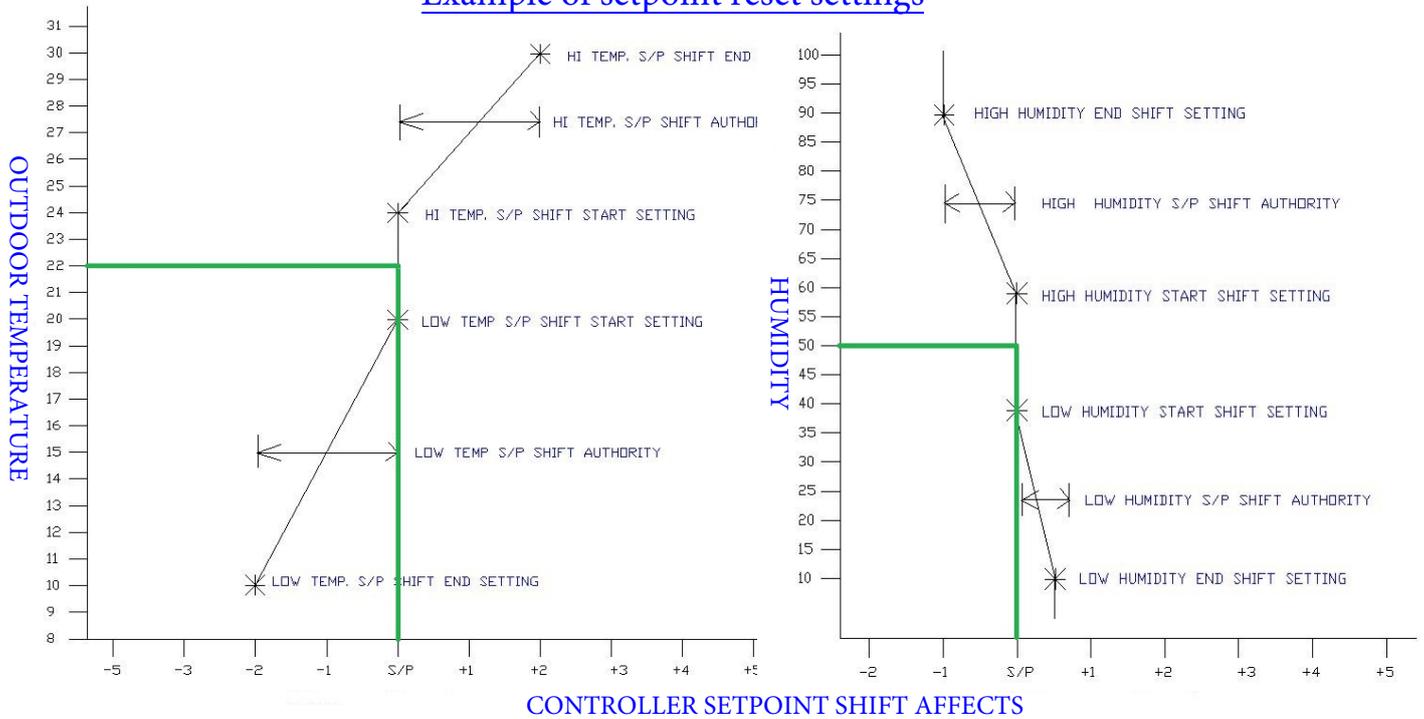
In summer & winter we typically dress & acclimatise to higher & lower temperatures which lends itself to increasing the controllers operating setpoint in summer and decreasing it in winter to track peoples temperature feeling of comfort. Humidity also plays a part in the perception of comfort ..on humid days even at 23, it can feel much warmer due to the bodies reduced ability to sweat, so dropping the setpoint aids in the feeling of comfort, and raising the setpoint on very dry days can also increase the perception of comfort due to very dry air evaporating the bodies sweat more quickly causing a body cooling affect. If these reset features are enabled, the controller will load pre-set appropriate settings that offer both energy savings and increased perception of comfort control, but all settings for the temperature & humidity reset effects on the controllers setpoint are adjustable.



NEW **HSMO** SERIES MODERN AESTHETIC ROOM SENSOR'S WITH TEMP., CO2, HUMIDITY OUTPUTS + LCD DISPLAY, S/P & AHR BUTTON

ENDEAVOUR TEMPERATURE/CO2 CONTROLLER c/w 365 DAY T/SW.

Example of setpoint reset settings



AND IN CASE YOU DIDNT KNOW OR JUST A REMINDER OF HOW POWERFUL THE ENDEAVOUR ISOTHER NOTABLE FEATURES INCLUDE :

- * **CO2 CONTROL** OF RELAY OR ANALOGUE OUTPUTS.
- * **NIGHT PURGE** CAPABILITY.
- * **365 DAY** TIME SWITCH.
- * **INTERNAL EVENT / DATA LOGGER.**
- * **AUTO / OFF/ MANUAL** SYSTEM SWITCH OVERRIDE INPUTS.
- * **AFTER HOURS** RUN TIMER.
- * **CONTROLLER** CAN BE TRIGGERED TO **START BY MOVEMENT** SENSOR INPUT.
- * **2nd TIME SWITCH** FOR OTHER AUXILIARY INDEPENDANT ON/OFF APPLICATIONS
ie: Toilet Exhaust or Security Lighting etc.
- * **MODBUS** COMMUNICATION CAPABILITY.
- * **HMI PANEL** AVAILABLE TO MONITOR & OVERRIDE UP TO 32 ENDEAVOUR CONTROLLERS.
- * **UNIVERSAL AUXILIARY ANALOGUE INPUT** FOR INDEPENDENT CONTROL OF SPARE RELAY
and or Monitoring of an Auxiliary sensor ..ie Supply Air temperature,
Pipe temperature, Air Quality, Dust or any Sensor with a 0-10vDC Output.
- * CAN BE SET TO TWO CHANNEL **365 TIME SWITCH ONLY MODE** (no sensors required).
- * **MANY SENSOR OPTIONS** that can include Display, CO2 , Humidity, Remote S/P, AHR Button etc.
- * **A/C FAULT INDICATION** INPUT.
- * **5 RELAYS** (4 Programmable). Relay 5 (T/SW1.) can also be set to Cycle with Heat & Cool demand.
- * **2 ANALOGUE O/P's** for control of Valves, Economy Cycle Dampers & Modulating Compressors etc.