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CONTROL AGENCIES PTY.LTD.

www.hevac.com.au

EC FAN CONTROL SELECTION GUIDE

UPDATED

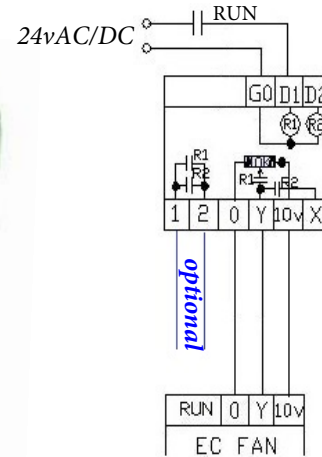
JULY 2025



SECTION 1 : MANUAL FAN SPEED CONTROL SWITCHBOARD MOUNT

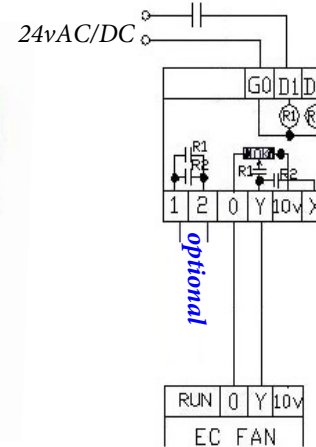
AWEC-1

24v POWERED 0-10vDC OUTPUT.
3 wire control. c/w ONBOARD RELAY
FOR ENABLE or RUN INTERLOCK.



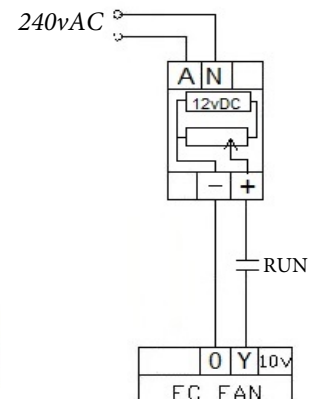
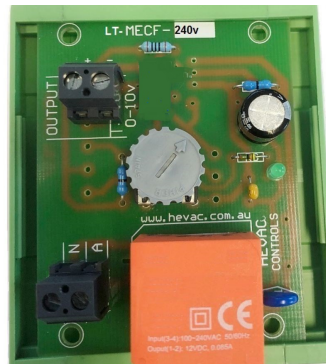
AWEC-1V

24v POWERED 0-10vDC OUTPUT
c/w ONBOARD RUN RELAY.
c/w onboard 12vDC supply for
2 wire control.



LT-MECF-240v

240vAC POWERED ADJUSTABLE
0-10vDC OUTPUT c/w OUTPUT
INDICATOR LED (varies brightness).



YOP4-24V

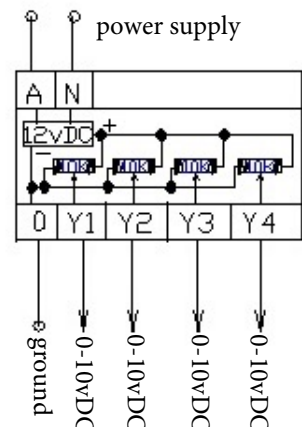
4 x INDEPENDENT 0-10vDC OUTPUTS.
AVAILABLE IN 24V or 240V POWERED VERSIONS.



24v version

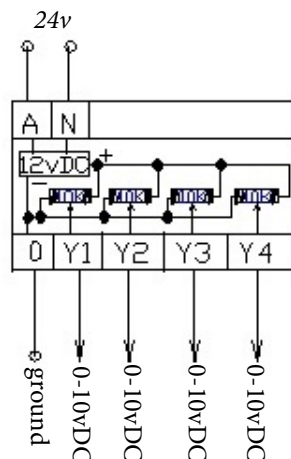


240v version



PYOP4-24V

SWITCHBOARD FACIA / PANEL
MOUNT VERSION OF YOP4.
Suitable as 24v powered version only.
c/w STANDOFFS & KNOBS

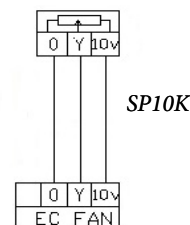


SECTION 2 : MANUAL FAN SPEED CONTROL FIELD MOUNT

TO SUIT CLIPSAL 2000 STYLE SWITCH WALL PLATE

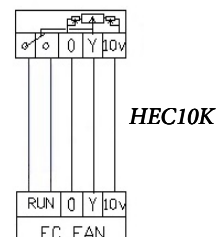
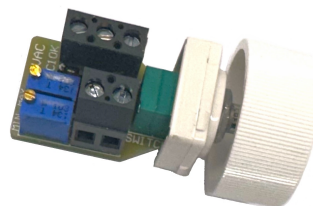
SP10K

10K POTENTIOMETER FITTED TO
PCB c/w TERMINALS AND CLIPSAL
SWITCH PLATE COUPLING



HEC10K

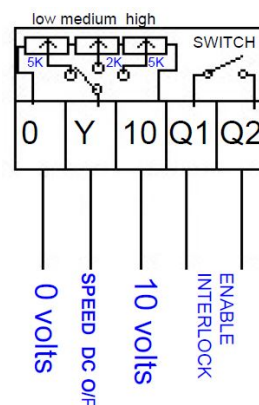
10K POTENTIOMETER c/w
ELECTRICALLY INDEPENDANT
SPST SWITCH (OPERATES AT START
POSITION.) PLUS MIN./MAX
LIMITING TRIM POTS TO LIMIT
MAIN POTENTIOMETER OUTPUT
RANGE. INTENDED FOR
MOUNTING IN STANDARD CLIPSAL
SWITCH PLATE.



EC-3SPD

NEW

ALTERNATIVE EC FAN CONTROL WITH 0-10VDC OUTPUT SIGNAL
PRODUCED AS 3 FIXED (TRIMABLE) OUTPUTS.
OUTPUT SELECTED BY A 4 POSITION ROTARY SWITCH.
OFF / LOW / MEDIUM / HIGH



EURO STYLE WALL SWITCH PLATE 86mm SQ.

HBSG21.#

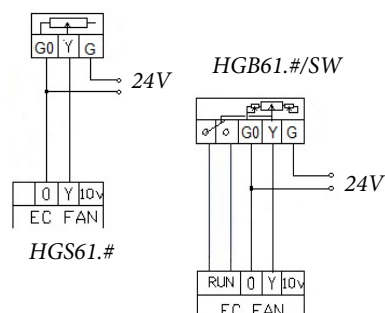
VARIOUS RESISTANCE POTENTIOMETER
VALUES & SCALE RANGE STICKERS AVAILABLE



HBSG61.#

24V POWERED 0-10V OUTPUT. / VARIOUS SCALES

HBSG61.#/SW. AS ABOVE c/w
ISOLATED ON/OFF SWITCH.



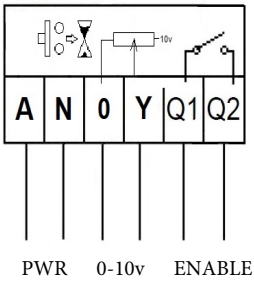
ALTERNATIVE MOUNTING ON STANDARD CLIPSAL PLATE ON REQUEST

HRT-EC TIMER

RUN TIMER FOR EC FANS WITH RELAY & (SETTABLE) 0-10vDC FIXED OUTPUT.

HRT-EC-HI/LO

SIMILAR TO ABOVE BUT LOW/ HIGH ADJ. DC VOLT SPEED C/O OUTPUT. OUTPUT JUMPS TO HIGH SPEED BY TIMER BUTTON PRESS (note no relay output this version).

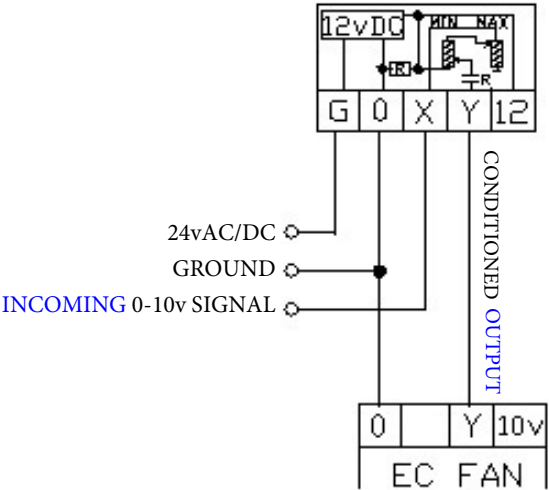
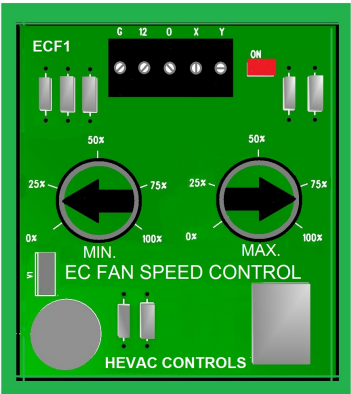


1-8 Hr versions Available.
24V & 240v Versions

SECTION 3 : SWITCHBOARD MOUNT 0-10V SIGNAL INTERLOCKS

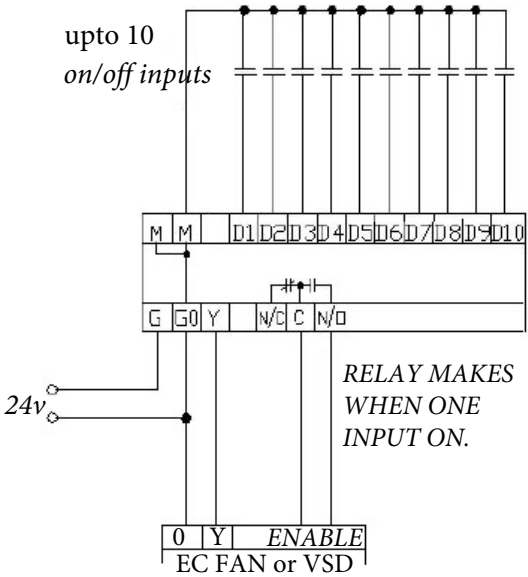
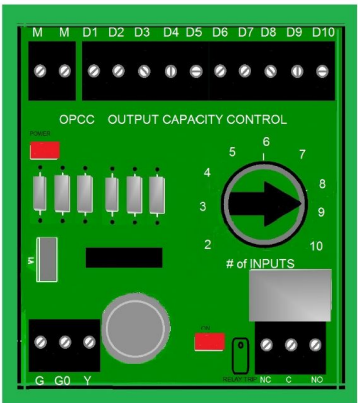
ECF1

MIN. & MAX. LIMITATION OF EXTERNAL 0-10vDC CONTROL SIGNAL (USED WHEN MAIN CONTROLLER CANNOT LIMIT MIN / MAX OF ITS SIGNAL OUTPUT).



OPCC

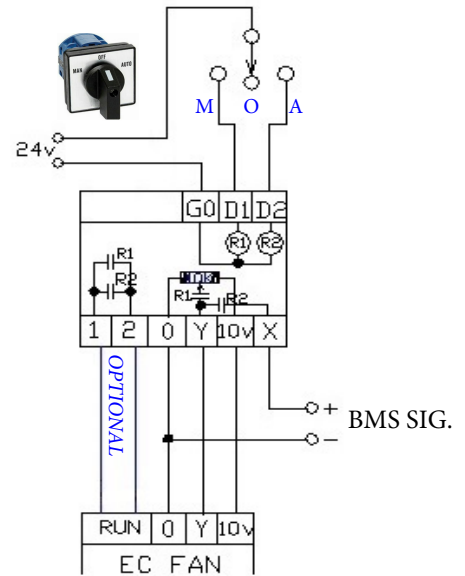
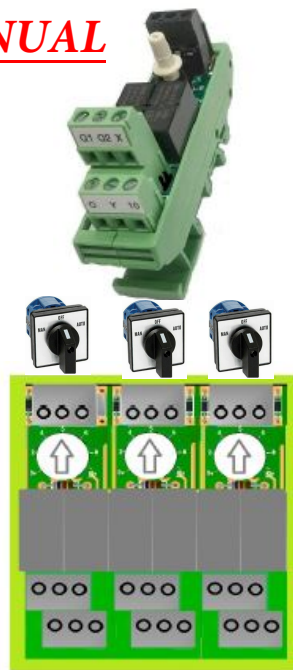
24vAC/DC POWERED INTERFACE MODULE. CONVERTS MULTIPLE ON/OFF INPUTS TO PROPORTIONAL 0-10vDC SIGNAL



AUTO/OFF/MANUAL

AWEC-1

0-10v SIGNAL SELECT INTERFACE.
USED WITH A 3 POSITION SWITCHBOARD
SWITCH (VIA THIS MODULE) TO SELECT
EITHER AN EXTERNAL BMS 0-10v SIGNAL or
ONBOARD 10K POTENTIOMETER TO
CONTROL EC FAN SPEED.

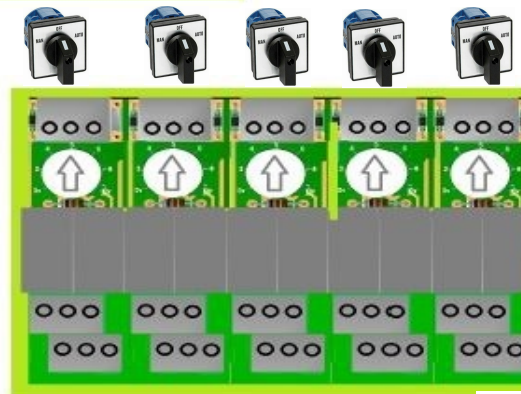


AWEC-3

AS ABOVE BUT TRIPLE AWEC-1 IN
ONE MODULE

AWEC-5

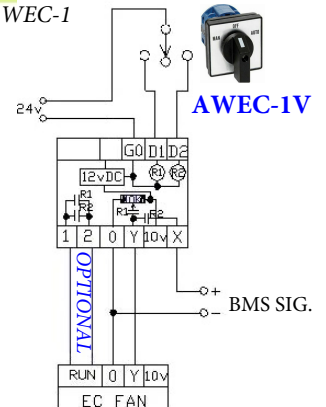
5 x AWEC-1 IN ONE MODULE c/w ONE
COMMON 10vDC POWER SUPPLY CARD.
(saves using 10v supply wires from five EC fans).
24v AC/DC POWERED.



EACH OF THE 5 AWEC1'S WIRED AS PER AWEC-1

AWEC-1V

AS PER AWEC-1 WITH THE ADDITION OF
ONBOARD 12vDC SUPPLY FOR 2 WIRE
CONTROL.

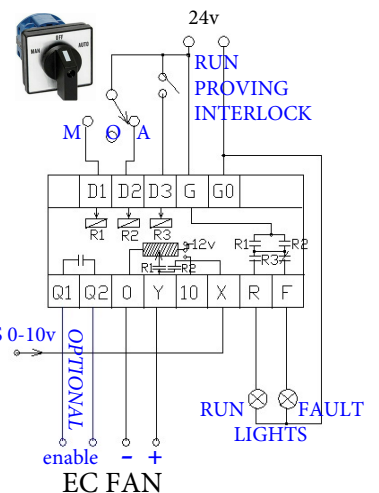


AWEC-3V & 5V

AS ABOVE BUT THREE or 5 AWEC-1V's IN
ONE COMMON HOUSING.

EAWEC-1V NEW

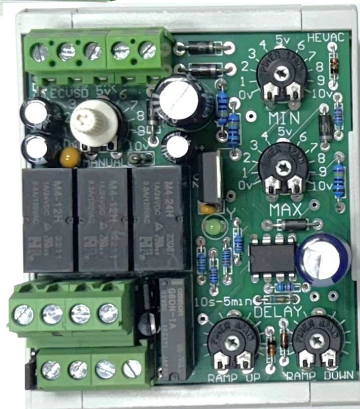
ENHANCED VERSION OF AWEC-1V WITH THE
ADDITION OF A RUN PROVING INPUT & 24V
RUN & FAULT OUTPUTS (VIA RELAY CONTACTS).



EC-VSD NEW



ALL THE FEATURES OF THE ABOVE EAWEC-1V,
PLUS THE ADDITION OF OUTPUT SIGNAL
CONDITIONING > INCLUDING RAMP UP &
DOWN TIME DELAYS & MIN. / MAX LIMITATION
OF OUTPUT SIGNAL, EFFECTIVELY GIVING AN
EC FAN THE TYPICAL ADJUSTMENTS ON A VSD.



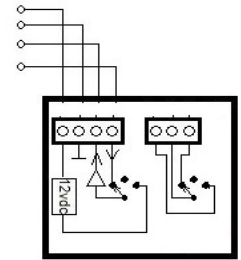
NEW

SWITCHBOARD FASCIA Auto / Off / Manual

SWCS SERIES CAM SWITCHES with 0-10vDC & ON/OFF OUTPUTS

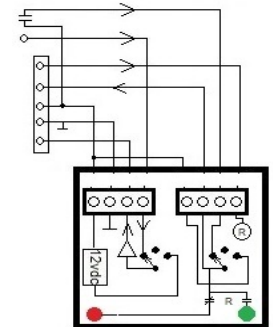
SWCS-3P 3 POSITION

Auto/Off/Manual 12vDC & ON/OFF O/P's



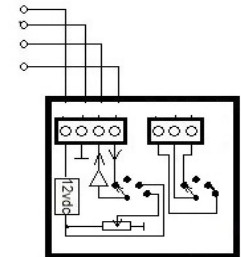
SWCS-3P-RF 3 POSITION

as above + RUN I/P to Run & Fault LED's



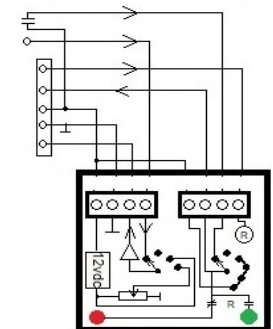
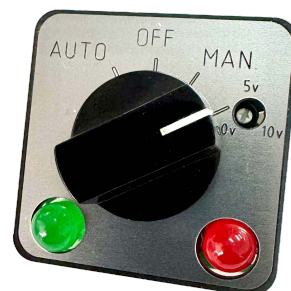
SWCS-4P 4 POSITION

similar to above + 4th ADJUSTABLE MANUAL position O/P



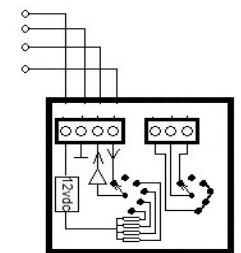
SWCS-4P-RF 4 POSITION

as above + RUN & FAULT LED's



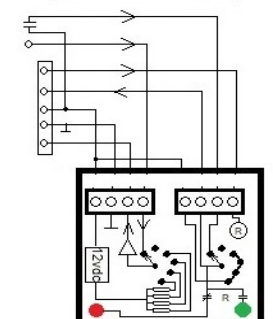
SWCS-6P 6 POSITION

Auto / Off + 4 fixed Manual O/P speeds



SWCS-6P-RF 6 POSITION

as above + Run I/P to Run & Fault LED's



NEW ALTERNATIVE PRODUCT RANGE TO AVEC & SWCS SERIES, INCORPORATING AUTO / OFF / MAUNAL SLIDE SWITCH ON THE PCB, FOR SYSTEMS WITH NO SWITCHBOARD FASCIA & A/O/M SWITCHES.

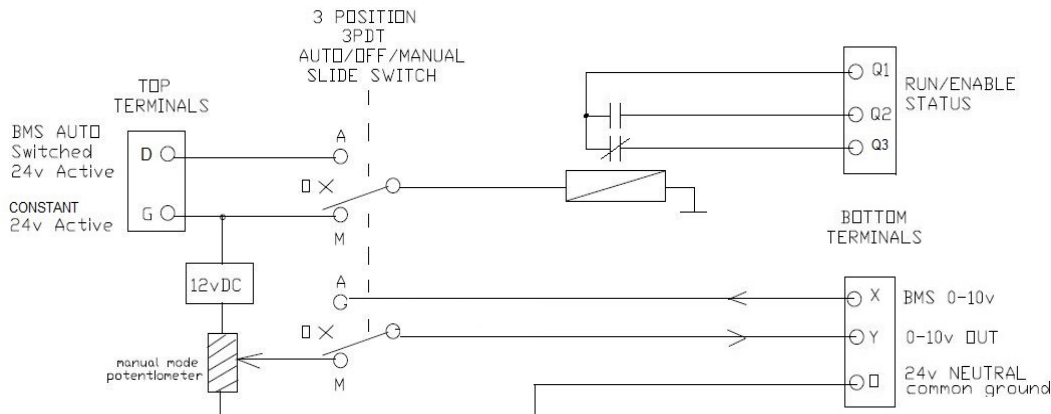
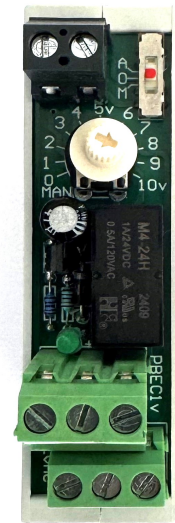
PBEC-1V SINGLE DEVICE CONTROL

PBEC-3V TRIPLE DEVICE CONTROL

PBEC-5V 5 DEVICE CONTROL



NEW



NOTES : IF BMS RUN CALL ON THEN Q1&Q2 SHOULD BE MADE FOR AUTO RUN CALL ON STATUS
IF BMS RUN CALL ON AND Q1&Q2 OPEN, THEN SLIDE SWITCH MUST BE IN OFF POSITION
IF BMS RUN CALL OFF & Q1&Q2 ON THEN SLIDE SWITCH MUST BE IN MANUAL RUN POSITION

SUMMARY OF A/O/M CONTROL MODULES

AVEC1	1 x SWBD MOUNT 3 WIRE 0-10v CONTROL + RUN RELAY O/P
AVEC3	3 x SWBD MOUNT 3 WIRE 0-10v CONTROL + RUN RELAY O/P
AVEC5	5 x SWBD MOUNT 3 WIRE 0-10v CONTROL + RUN RELAY O/P
AVEC1V	1 x SWBD MOUNT 2 WIRE 0-10v CONTROL + RUN RELAY O/P
AVEC3V	3 x SWBD MOUNT 2 WIRE 0-10v CONTROL + RUN RELAY O/P
AVEC5V	5 x SWBD MOUNT 2 WIRE 0-10v CONTROL + RUN RELAY O/P
PBEC1V	1 x SWBD MOUNT 2 WIRE 0-10v CONTROL + RUN RELAY O/P c/w A/O/M SLIDE SWITCH
PBEC3V	3 x SWBD MOUNT 2 WIRE 0-10v CONTROL + RUN RELAY O/P c/w A/O/M SLIDE SWITCH
PBEC5V	5 x SWBD MOUNT 2 WIRE 0-10v CONTROL + RUN RELAY O/P c/w A/O/M SLIDE SWITCH
EAVEC-1V	1 x SWBD MOUNT 2 WIRE 0-10v CONTROL + RUN RELAY O/P c/w RUN & FAULT O/P
EC-VSD	AS PER EAVEC-1V ABOVE + RAMP UP/DOWN & MIN /MAX SETTINGS
SWCS-3P	(SWBD) FASCIA MOUNT 3 POSITION Auto/ Off / Manual CAM SWITCH 0-10v & RELAY O/P
SWCS-4P	(SWBD) FASCIA MOUNT 4 POSITION Auto/ Off / ADJ. Manual CAM SWITCH 0-10v & RELAY O/P
SWCS-6P	(SWBD) FASCIA MOUNT 6 POSITION Auto/Off / 4x Manual CAM SWITCH 0-10v & RELAY O/P
SWCS-3P-RF	AS PER SWCS-3P + DEDICATED RUN I/P CONTROLLING ONBOARD RUN & FAULT LED's
SWCS-4P-RF	AS PER SWCS-4P + DEDICATED RUN I/P CONTROLLING ONBOARD RUN & FAULT LED's
SWCS-6P-RF	AS PER SWCS-6P + DEDICATED RUN I/P CONTROLLING ONBOARD RUN & FAULT LED's

SECTION 4 : COMMON EC FAN AUTO CONTROL CONCEPTS

ROOM or DUCT TEMP. & CO2 SENSOR
WITH **DIRECT 0-10v CO2 CONTROL**
OUTPUT OVER SETTABLE RANGE
(ie 600-800 ppm co2) FOR CONTROL OF
EC FAN, VSD or F/A DAMPER.

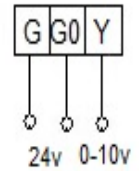
HE-DELP ROOM SENSOR VERSION ALSO HAS
RELAY BUT 0-10v O/P TO BE FACTORY PRESET.



HSMO-DQ

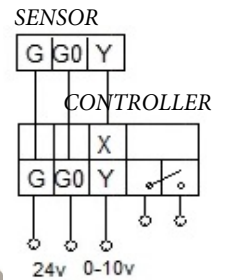


CDT2D40



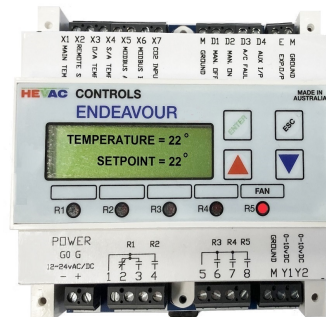
RWD68 + SENSOR

SIEMENS BASED RWD68 UNIVERSAL
CONTROLLER WITH REQUIRED SENSOR :
TEMP, CO2, VELOCITY or PRESSURE TO
CONTROL EC FAN 0-10v + RELAY OUTPUTS



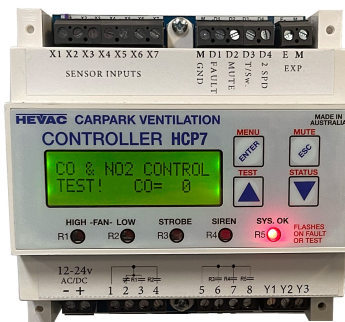
ENDEAVOUR + SENSOR

HEVAC ENDEAVOUR UNIVERSAL
CONTROLLER WITH REQUIRED SENSOR :
TEMP, CO2, VELOCITY or PRESSURE.
MULTIPLE I/O WITH RELAY & 0-10V O/Ps.
C/W 365 DAY TIME SWITCH & AHR TIMER.



HCP7

CARPARK CO VENTILATION
COMPLIANT TO AS1668.2, CAN READ UPTO 7
CO or NO2 SENSORS & EXPANDABLE TO 42
SENSORS VIA EXP7 EXPANSION MODULES.

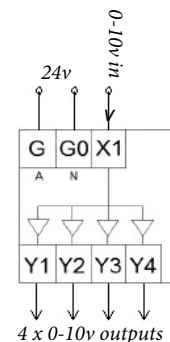


SACO 24 & 240v powered versions
SINGLE POINT **CARPARK CO VENTILATION**
SENSOR / CONTROLLER. COMPLIANT TO
AS1668.2 . Relay & 0-10v Outputs



HYS4

0-10vDC **SIGNAL DUPLICATOR** FOR
DRIVING HIGH LOADS CAN TYPICALLY
DRIVE UPTO 16 VSDs, JET FANS OR EC FANS.



SCM220 **NEW**

STAIRWELL PRESSURE RELIEF FAN SIGNAL CONDITIONING
MODULE , GREATLY AIDS IN SYSTEM COMMISSIONING.
TYPICALLY USED IN CONJUNCTION WITH HEVAC PRE-PROGRAMMED
SIEMENS RLU222 STAIRWELL PRESSURIZATION CONTROL SYSTEM.

