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CONTROL AGENCIES PTY.LTD.

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EC FAN CONTROL SELECTION GUIDE

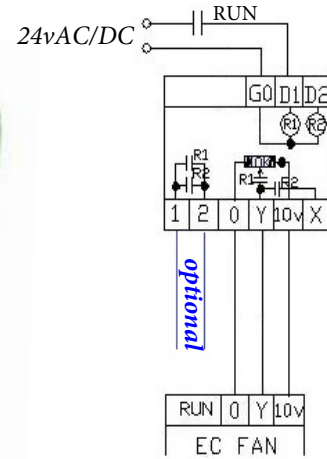
MAY 2025



SECTION 1 : MANUAL SPEED CONTROL SWITCHBOARD MOUNT

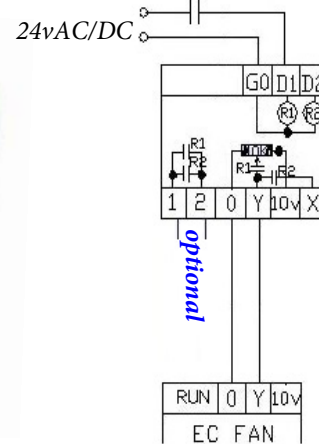
AWEC-1

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



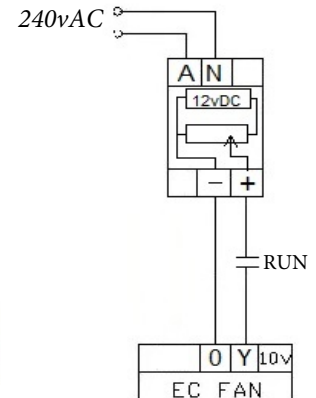
AWEC-1V

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

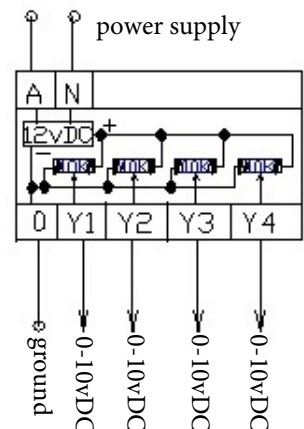
4 x INDEPENDENT 0-10vDC OUTPUTS.
AVAILABLE IN 24V or 240V POWERED VERSIONS.



24v version

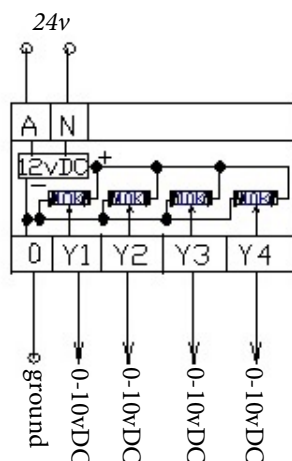


240v version



PYOP4-24V

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



SECTION 2 : MANUAL SPEED CONTROL FIELD MOUNT

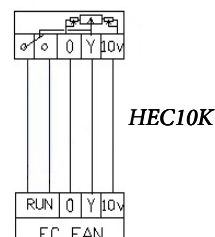
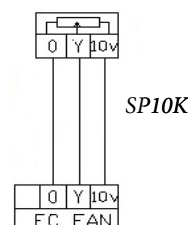
TO SUIT CLIPSAL 2000 STYLE WALL PLATE

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.



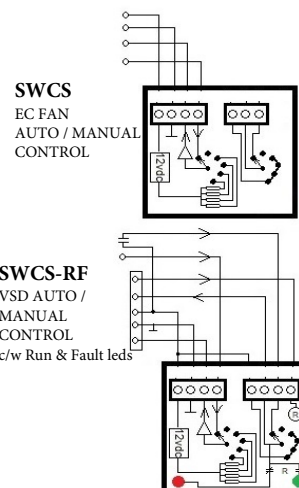
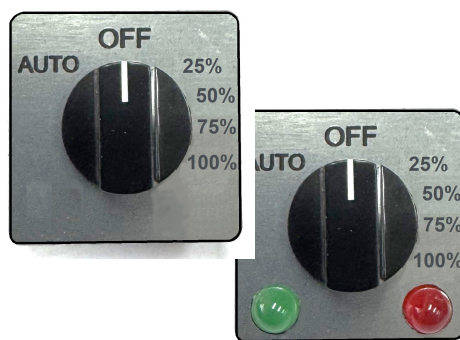
SWITCHBOARD CAM SWITCHES

SWCS

Auto/Off/Manual 2P6T CAM SWITCH
c/w ON/OFF SWITCH OUTPUT + 4 MANUAL
MODE DC VOLT OUTPUTS

SWCS-RF

Auto/Off/Manual 2P6T CAM SWITCH
c/w ON/OFF SWITCH OUTPUT,
4 MANUAL MODE DC VOLT OUTPUTS + RUN
& FAULT LEDS VIA RUN PROVING INPUT.



EURO STYLE WALL SWITCH PLATE 86mm SQ.

ALTERNATIVE MOUNTING ON STANDARD CLIPSAL PLATE ON REQUEST

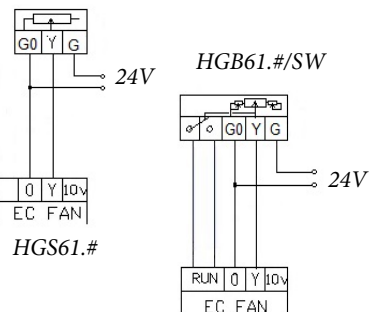
HBSG21.#

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.

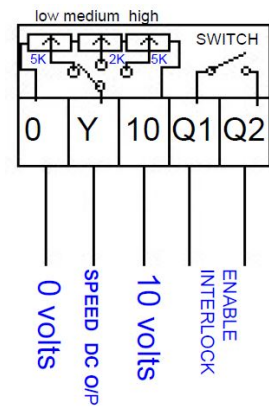


EC-3SPD

NEW



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



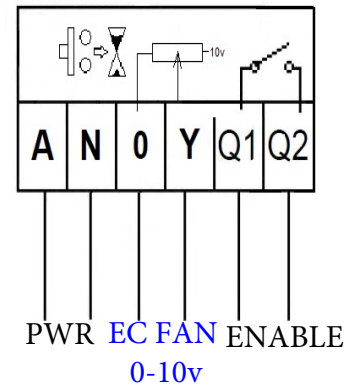
HRT-EC

RUN TIMER FOR EC FANS WITH RELAY & (SETTABLE) 0-10vDC FIXED OUTPUT.
1-8 Hr versions Available.

24V & 240v Versions **NEW**

HRT-EC-HI/LO

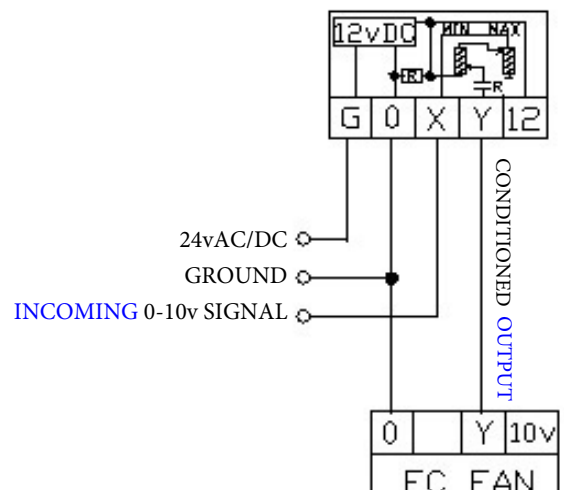
SIMILAR TO ABOVE BUT LOW/ HIGH SPEED DC OUTPUT. OUTPUT JUMPS TO HIGH SPEED BY TIMER BUTTON PRESS (note no relay output this version).



SECTION 3 : SWITCHBOARD MOUNTED 0-10V SIGNAL INTERLOCKS

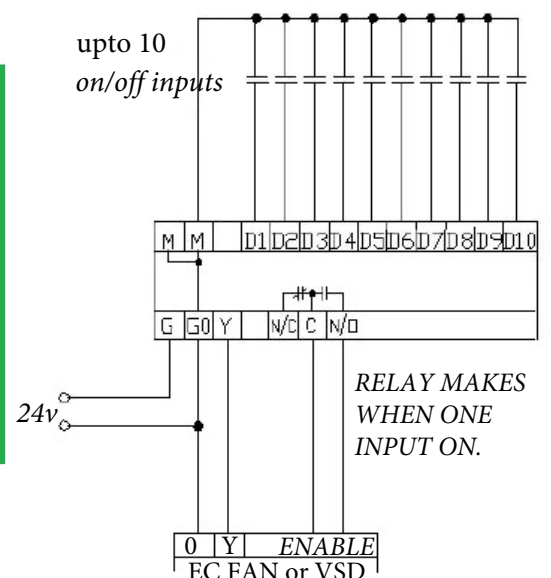
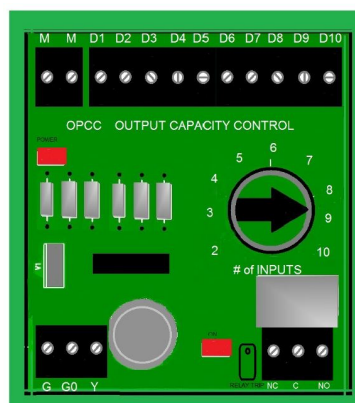
ECF1

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



OPCC

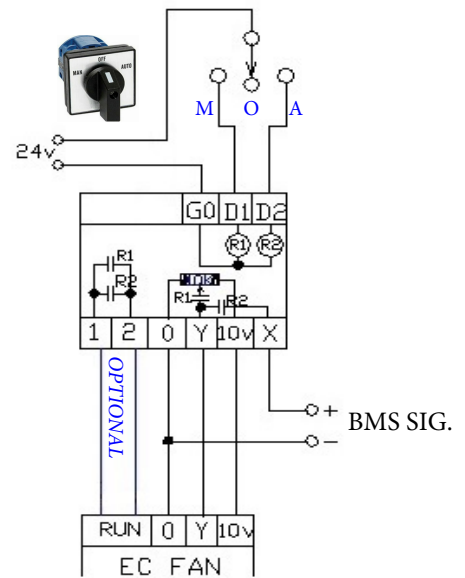
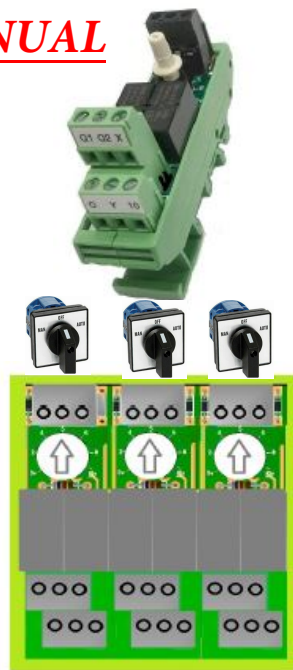
24vAC/DC POWERED INTERFACE MODULE. CONVERTS MULTIPLE ON/OFF INPUTS TO PROPORTIONAL 0-10vDC SIGNAL



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.

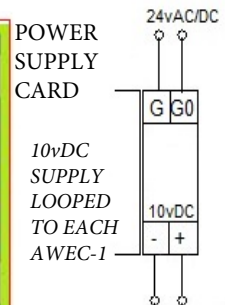
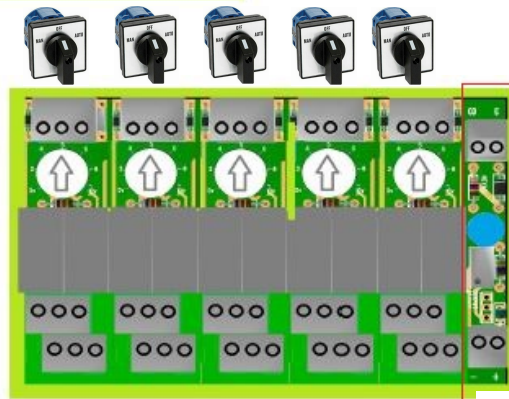


AWEC-3

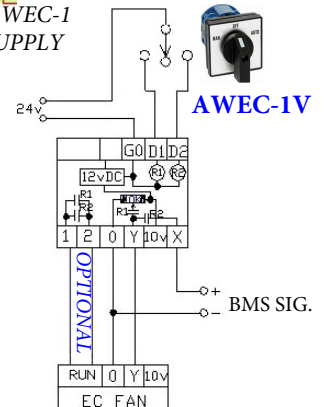
AS ABOVE BUT TRIPLE AWEC-1 IN
ONE MODULE

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
BUT USING ONBOARD COMMON 10VDC SUPPLY



AWEC-1V

AS PER AWEC-1 WITH THE ADDITION OF
ONBOARD 12vDC SUPPLY FOR 2 WIRE
CONTROL. c/w **ONBOARD 12vDC supply**

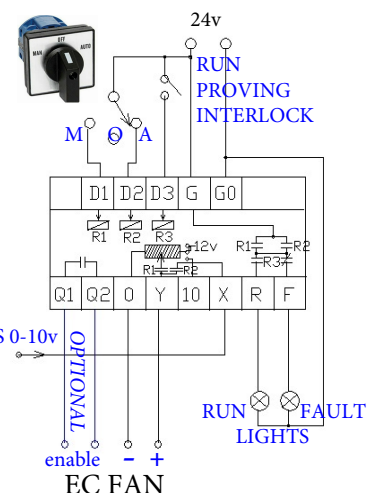
AWEC-3V & 5V

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

***NEW ALSO SEE NEW CAM SWITCH /
AWEC1v COMBINED SERIES SWCS***

EAWEC-1V NEW

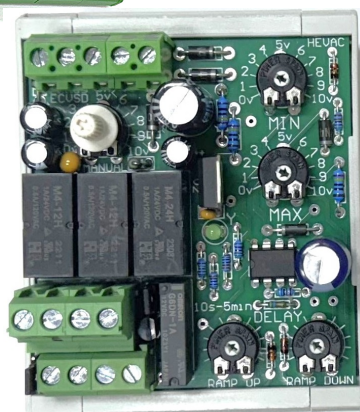
ENHANCED VERSION OF AWEC-1V WITH THE
ADDITION OF A RUN PROVING INPUT & 24V
RUN & FAULT OUTPUTS (VIA RELAY CONTACTS).



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.



SECTION 4 : COMMON EC FAN AUTO CONTROL CONCEPTS

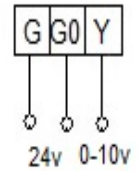
ROOM or DUCT TEMP. & CO2 SENSOR
WITH **DIRECT 0-10v CO2 CONTROL**
OUTPUT OVER SETTABLE RANGE
(ie 600-800 ppm co2) FOR CONTROL OF
EC FAN, VSD or F/A DAMPER.



HSMO-DQ

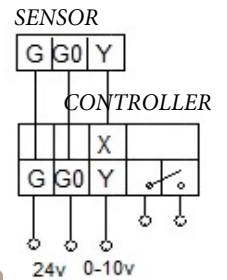


CDT2D40



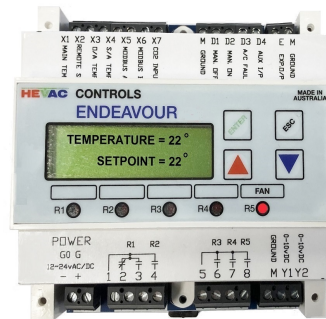
RWD68 + SENSOR

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



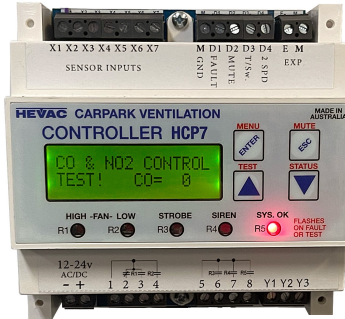
ENDEAVOUR + SENSOR

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.



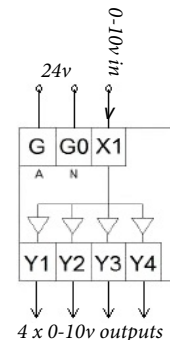
SACO 24 or 240Vpowered versions

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.

