



03 9562 7888

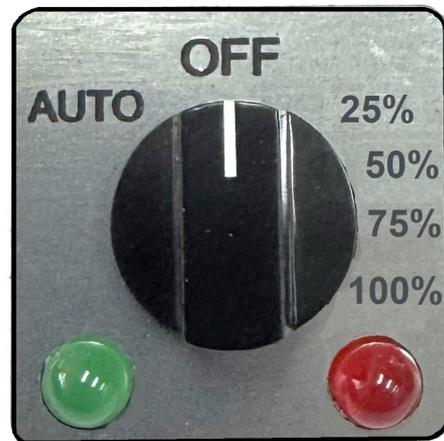
CONTROL AGENCIES PTY.LTD.

www.hevac.com.au

EC FAN CONTROL SELECTION GUIDE

UPDATED

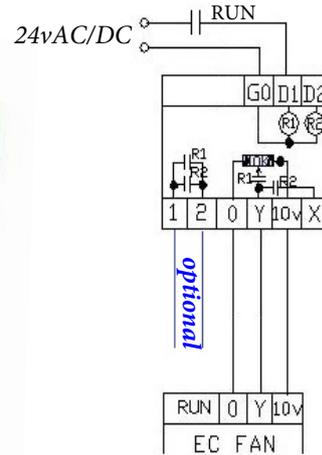
JULY 2025



SECTION 1 : MANUAL FAN SPEED CONTROL SWITCHBOARD MOUNT

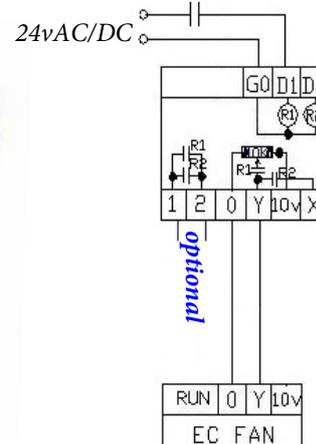
AWEC-1

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



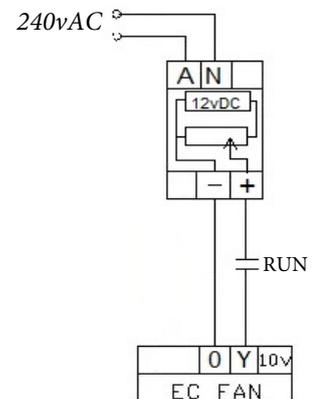
AWEC-1V

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

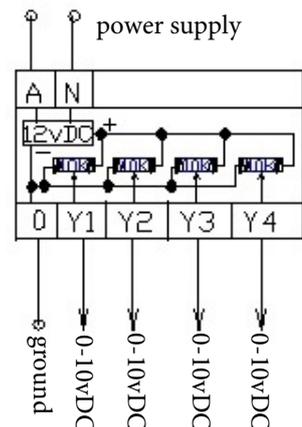
4 x INDEPENDENT 0-10vDC OUTPUTS.
AVAILABLE IN 24V or 240V POWERED VERSIONS.



24v version

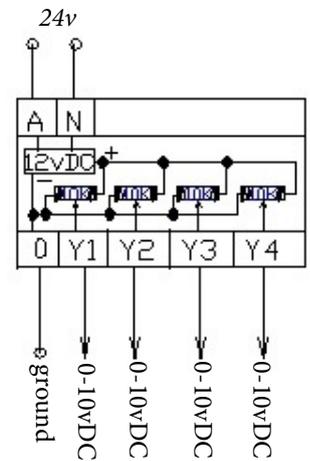


240v version



PYOP4-24V

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

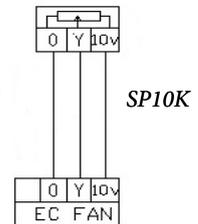


SECTION 2 : MANUAL FAN SPEED CONTROL FIELD MOUNT

TO SUIT CLIPSAL 2000 STYLE SWITCH WALL PLATE

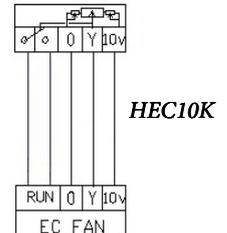
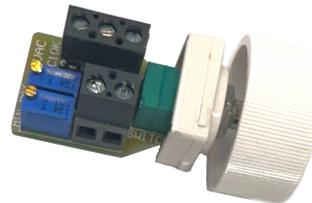
SP10K

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.

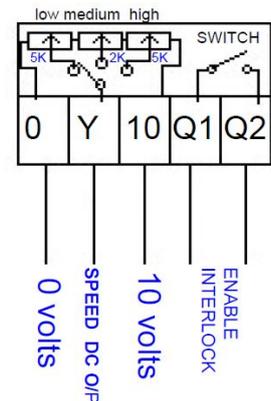


EC-3SPD

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.#

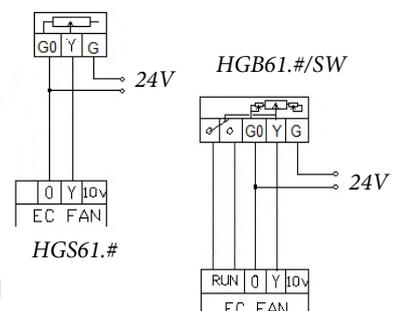
VARIOUS RESISTANCE POTENTIOMETER VALUES & SCALE RANGE STICKERS AVAILABLE



HBSG61.#

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

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



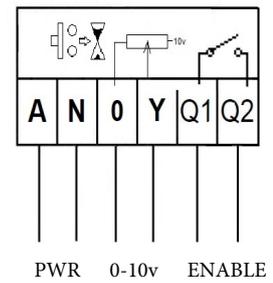
ALTERNATIVE MOUNTING ON STANDARD CLIPSAL PLATE ON REQUEST

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).

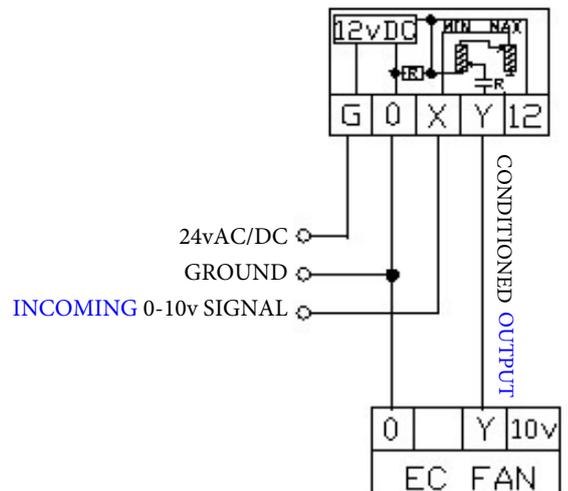


1-8 Hr versions Available.
24V & 240v Versions

SECTION 3 : SWITCHBOARD MOUNT 0-10V SIGNAL INTERLOCKS

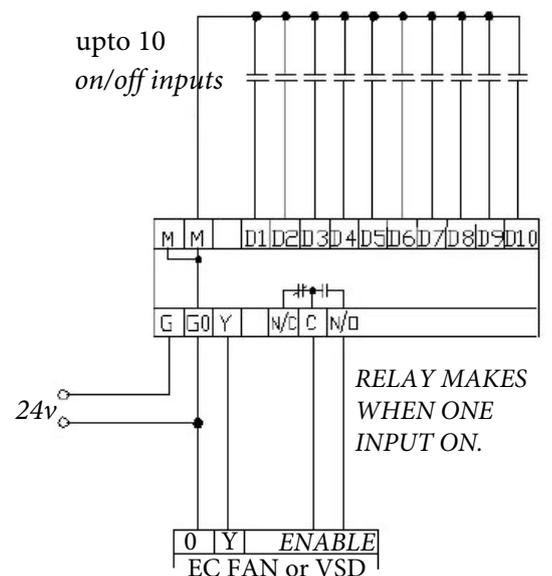
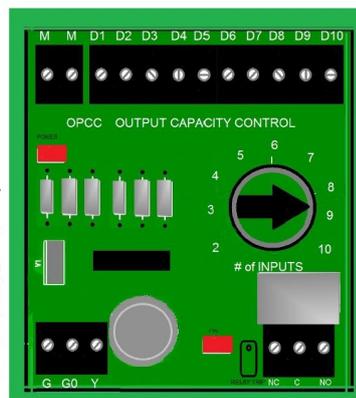
ECF1

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



OPCC

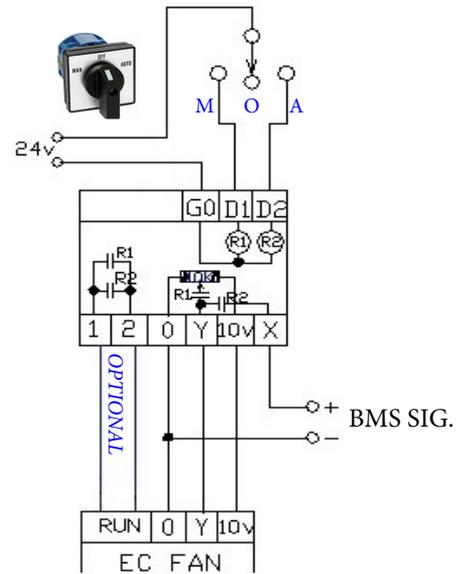
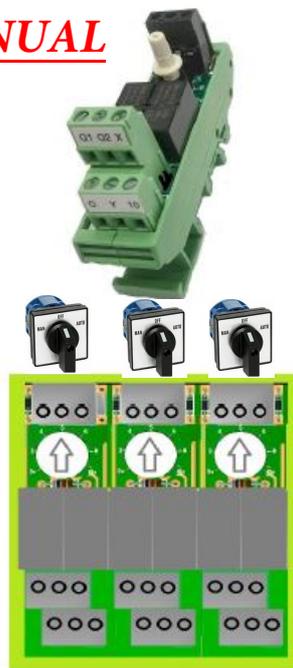
24vAC/DC POWERED INTERFACE MODULE. CONVERTS MULTIPLE ON/OFF INPUTS TO PROPORTIONAL 0-10vDC SIGNAL



AUTO/OFF/MANUAL

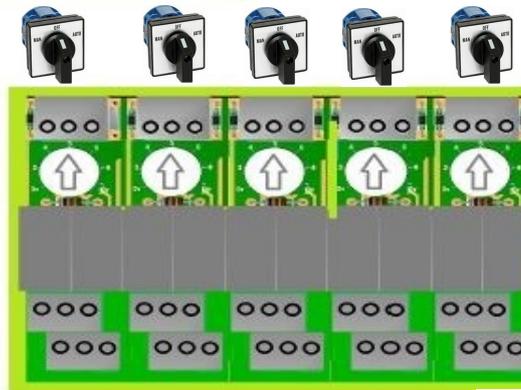
AWEC-1

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.

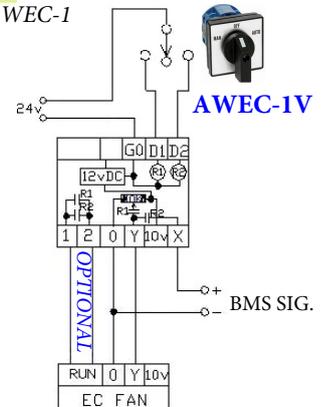
NEW ... PBEC SERIES WITH A/O/M SLIDE SWITCH ON PCB.

ALSO SEE NEW SWCS CAM SWITCH SERIES WITH ON/OFF & 0-10 O/P's BUILT INTO ELECTRONIC CAM SWITCH.

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.

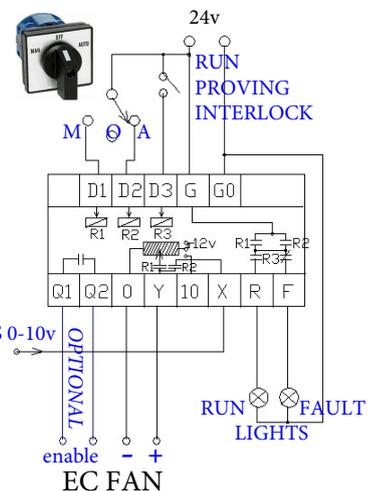


AWEC-3V & 5V

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.



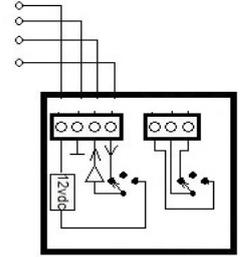
NEW

SWITCHBOARD FASCIA Auto / Off / Manual

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

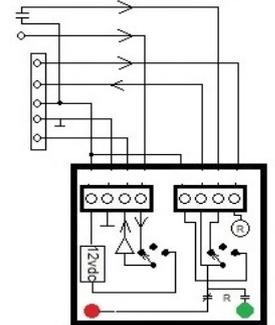
SWCS-3P 3 POSITION

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



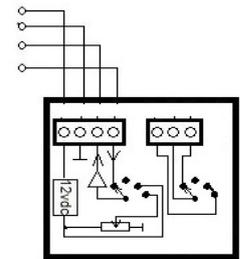
SWCS-3P-RF 3 POSITION

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



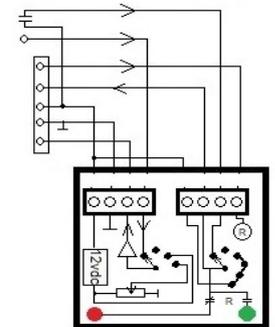
SWCS-4P 4 POSITION

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



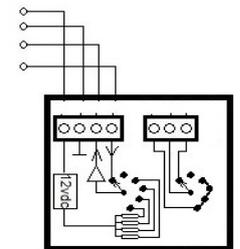
SWCS-4P-RF 4 POSITION

as above + RUN & FAULT LED's



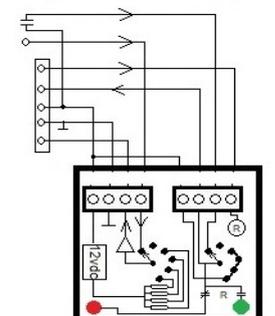
SWCS-6P 6 POSITION

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 AWEC & SWCS SERIES, INCORPORATING AUTO / OFF / MAUNAL SLIDE SWITCH ON THE PCB, FOR SYSTEMS WITH NO SWITCHBOARD FASCIA & A/O/M SWITCHES.

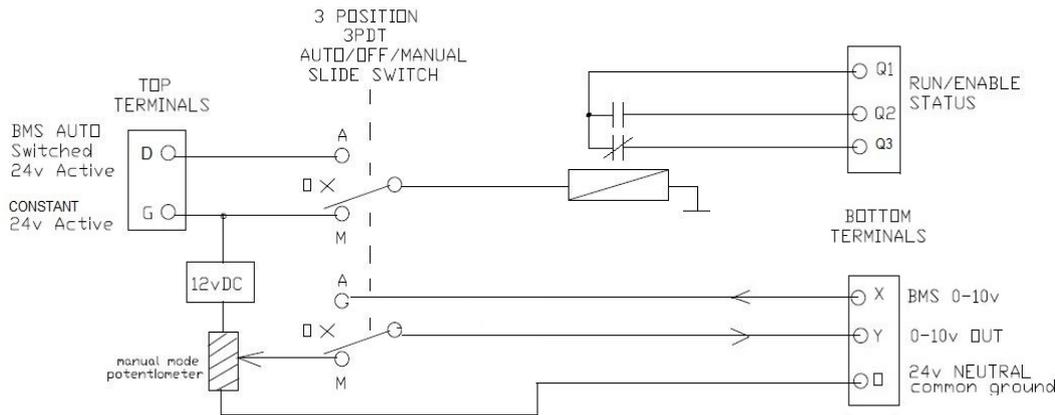
PBEC-1V SINGLE DEVICE CONTROL



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

- AWEC1** 1 x SWBD MOUNT 3 WIRE 0-10v CONTROL + RUN RELAY O/P
- AWEC3** 3 x SWBD MOUNT 3 WIRE 0-10v CONTROL + RUN RELAY O/P
- AWEC5** 5 x SWBD MOUNT 3 WIRE 0-10v CONTROL + RUN RELAY O/P

- AWEC1V** 1 x SWBD MOUNT **2** WIRE 0-10v CONTROL + RUN RELAY O/P
- AWEC3V** 3 x SWBD MOUNT **2** WIRE 0-10v CONTROL + RUN RELAY O/P
- AWEC5V** 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

- EAWEC-1V** 1 x SWBD MOUNT 2 WIRE 0-10v CONTROL + RUN RELAY O/P c/w **RUN & FAULT** O/P
- EC-VSD** AS PER EAWEC-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.

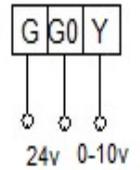
HE-DELP ROOM SENSOR VERSION ALSO HAS RELAY BUT 0-10v O/P TO BE FACTORY PRESET.



HSMO-DQ

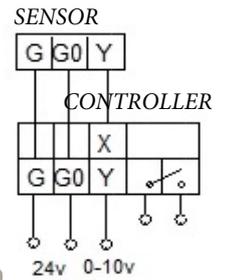


CDT2D40



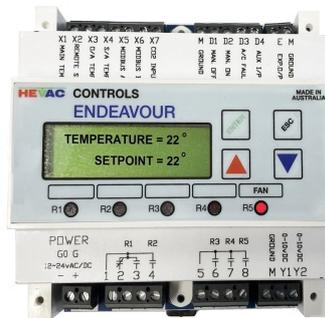
RWD68 + SENSOR

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.

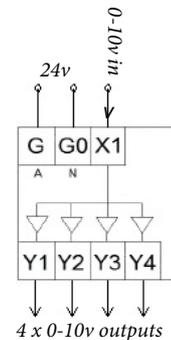


SACO 24 & 240v powered versions SINGLE POINT CARPARK CO VENTILATION SENSOR / CONTROLLER. COMPLIANT TO AS1668.2 . Relay & 0-10v Outputs



HYSA4

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.

