![HEVAC logo]

ECF1

EC FAN START/STOP & MIN / MAX SPEED MODULE

Features

- Australian Made and designed
- Adjustable Min. & Max. speed settings
- LED Indication of EC Fan energised
- Powered by 24vAC or 12vDC
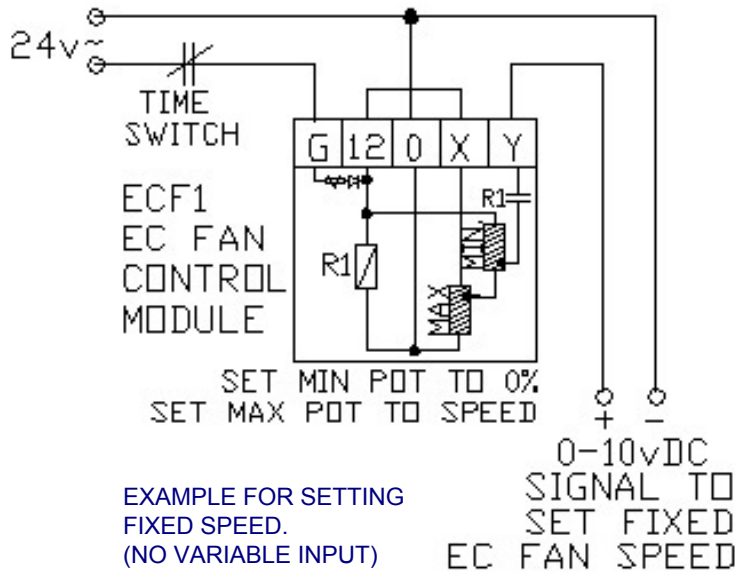- DIN Rail mount

Use

The ECF1 is low cost potentiometer & relay based module that interlocks with an EC fan start stop call and the 0-10vdc speed control signal to set & or limit fan speed. When a start call is initiated, the module allows DC control voltage to be connected to the EC fan input. The module allows the user to separately adjust the minimum & maximum signal level to be connected to the EC fan input to control fan speed. When the fan start call is lost the DC voltage output is disconnected from the EC fan input via an internal relay causing the EC fan to stop. The indicated % speed settings are approximate only and vary with input & output impedance and combination of potentiometer settings. Adjust each potentiometer to achieve actual desired minimum & maximum settings.
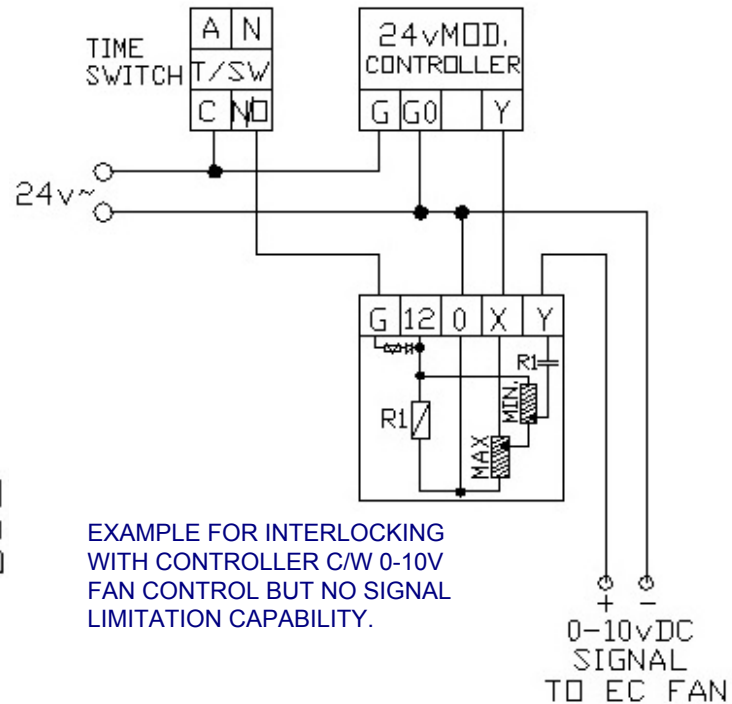
Made in Australia
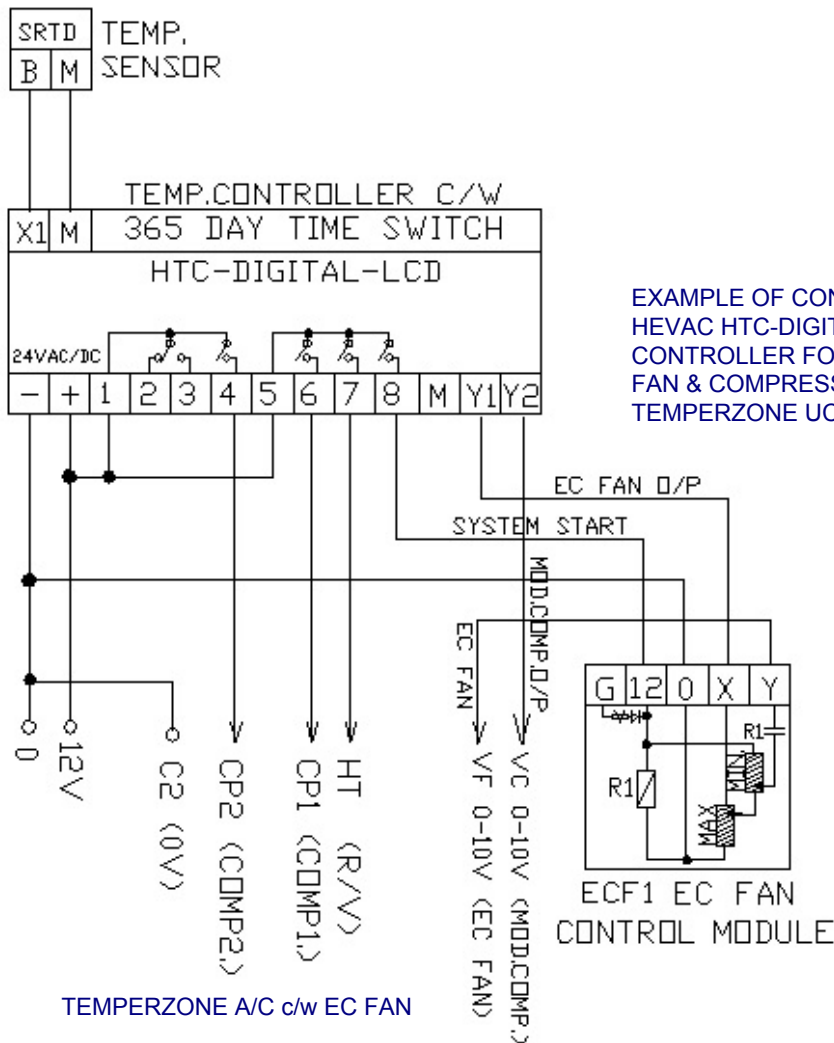**100% Australian Owned Company**

HEVAC Control Agencies Pty Ltd
HVAC Products
www.hevac.com.au   (03) 9562 7888

ECF1 Auxiliary module

ECF1 16/10/17

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24v~
TIME SWITCH

ECF1 EC FAN CONTROL MODULE

G | 12 | 0 | X | Y
R1
MAX

SET MIN POT TO 0%
SET MAX POT TO SPEED

0-10vDC SIGNAL TO SET FIXED EC FAN SPEED

EXAMPLE FOR SETTING FIXED SPEED.
(NO VARIABLE INPUT)

TIME SWITCH
A | N
T/SW
C | NO

24vMOD. CONTROLLER
G | G0 | Y

24v~

G | 12 | 0 | X | Y
R1
MAX | MIN.

0-10vDC SIGNAL TO EC FAN

EXAMPLE FOR INTERLOCKING WITH CONTROLLER C/W 0-10V FAN CONTROL BUT NO SIGNAL LIMITATION CAPABILITY.

SRTD | TEMP. SENSOR
B | M

TEMP.CONTROLLER C/W 365 DAY TIME SWITCH
HTC-DIGITAL-LCD

X1 | M

24VAC/DC
− | + | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | M | Y1 | Y2

EC FAN O/P
SYSTEM START
MOD.COMP.O/P

0
12V
C2 (0V)
CP2 (COMP2.)
CP1 (COMP1.)
HT (R/V)
EC FAN VF 0-10V
VC 0-10V (MOD.COMP.)
VF 0-10V (EC FAN)

EXAMPLE OF CONTROL SYSTEM USING HEVAC HTC-DIGITAL-LCD CONTROLLER FOR BOTH VARIABLE FAN & COMPRESSOR CONTROL TO TEMPERZONE UC8 BASED A/C UNIT

G | 12 | 0 | X | Y
R1
MAX
ECF1 EC FAN CONTROL MODULE

TEMPERZONE A/C c/w EC FAN

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