## HEVAC Control Agencies



## SWCS



SWCS-RF

- Made in Australia to Australian Standards.
- 4 Speed EC fan / VSD Manual mode DC Control Signal Output.
- Trimmable Maximum / Cal. DC output (manual mode)
- Auto/Manual Enable or Run Switched Output
- Onboard 12vDC power supply for manual mode analogue output.
- Run Proving Input (from C.T, D.P etc) to L.E.D's (SWCS-RF)
- Standard typical 50mm switchboard cam switch size.

## APPLICATION

The SWCS switch mechanism offers an economical alternative approach to using Hevac's A/O/M internal switchboard din rail mount module AWEC1v which is typically used in conjunction with a conventional 3 position A/O/M cam switch. The SWCS combines these two functions enabling Auto/Off /Manual (with 4 selectable preset manual speeds) directly from the switchboard fascia to interlock with any 0-10vDC controllable devices without having to open the switchboard. The 0-10v output signal is typically directly connected to an EC fan or VSD and is derived either from the on-board rotary switch in any of the 4 "Manual" mode positions, or in the "Auto" position, to pass through the 0-10vdc signal from an external control device (ie BMS or stand alone controller). The SWCS incorporates an onboard 12vDC power supply to source the devices 4 manual speed positions. The switch mechanism is a double gang switch (2P6T) with the 2nd gang used as a switched on/off output in the the auto & manual positions for use as an external run indication interlock <u>or</u> to provide a switched enable output typically required by VSD's.

**SWCS-RF** version has the additional feature of RUN & FAULT status L.E.D's with a Run input interlock typically derived from a C.T, Pressure,VSD or Flow proving switch.

## TERMINAL LEGEND



- G 24v ACTIVE
- G0 24v NEUTRAL
- Y 0-10vDC OUTPUT TO CONTROLLED DEVICE
- X 0-10vDC <u>INPUT FROM</u> EXT. SOURCE (AUTO)
- D1 MANUAL 24v RUN FEED (normally link to G)
- Q ENABLE OUTPUT TO CONTROLLED DEVICE
- D2 AUTO 24v RUN FEED (from ext auto run call)

**DIMENSIONS** 

R C.T or FLOW PROVING 24v INPUT



DRILL GUIDE to scale

BOTTOM 2 HOLES ONLY FOR RF VERSION



The D1 to Q connections makes in any manual speed setting, D2 to Q connection makes in the Auto position. Note terminal Q is also internally tied to the fault led circuit as part of the internal Run/Fault led logic.

Hevac does NOT offer or suggest this product is suitable for direct interlocks for use in fire mode control for fan operation. For maximum compliance & safety we recommend : for forced run fire mode operation, breaking the 0-10v Y signal from this module and connecting a fire mode set of relay contacts directly across the EC fans "10v" supply & "Y" input terminals plus enabling fan run contacts if the fan also requires an enable interlock. Or for forced fan OFF mode : breaking connections from this module. For VSD's use the VSD's purpose designed fire mode interlock.