HEVAC Control Agencies


# SWCS-6P

## 6 POSITION ROTARY CAM SWITCH

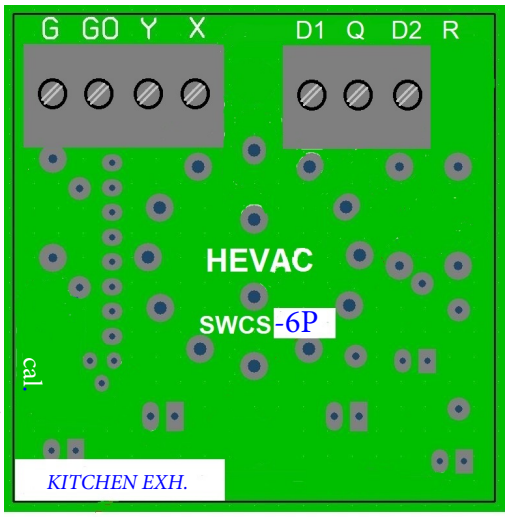
- **Made in Australia to Australian Standards.**
- **Auto / Off / 4 Speed Manual, DC Output Signal Select.**
- **Auto/Manual Enable (Run) common Switched Output**
- **Onboard 12vDC power supply for manual mode analogue output.**
- **Trimmable Maximum / Cal. DC output (manual mode)**
- **Standard typical 50mm switchboard cam switch size.**

The SWCS-6P switch mechanism offers an economical alternative approach to using Hevac's AWEC1v A/O/M internal switchboard din rail mount modules which are typically used in conjunction with a conventional 3 position A/O/M cam switch on the switchboard fascia. The SWCS series of cam switches combines these two functions into one, enabling Auto/Off /Manual control of any 0-10vdc controllable devices directly from the switchboard fascia without having to open the switchboard. The SWCS DC volt output signal is typically directly connected to the controlled device, ie EC fan, Variable speed pump, VSD or modulating actuators, with the 0-10v output signal derived either from the on-board 4 "Manual" mode positions (2.5v, 5v, 7.5v & 10 volts) or from the "Auto" position which passes 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 4 manual mode speed outputs.

The switch mechanism is a double gang switch (2P6T) with the 2nd gang used as a common switched on/off output in both the the Auto & Manual positions for use as an external run indication interlock or to provide a switched enable output typically required by VSD's.

One 10mm hole is all thats required to mount the SWCS-6P on the switchboard fascia, also held securely in place by an adhesive film on the back of the scale plate.

## TERMINAL LEGEND




manual mode maximum/cal output trim potentiometer

INSTALLER TEXT SPACE FOR DEVICE

G 24v ACTIVE

G0 24v NEUTRAL

Y 0-10vDC OUTPUT TO CONTROLLED DEVICE

X 0-10vDC INPUT FROM EXT. SOURCE (AUTO)

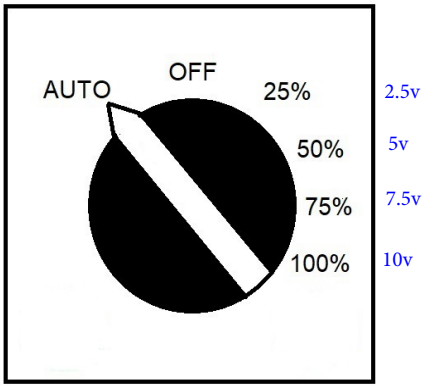
D1 MANUAL RUN I/P for Q output (max 24vAC)

Q SWITCHED ON/OFF OUTPUT, Auto or Manual

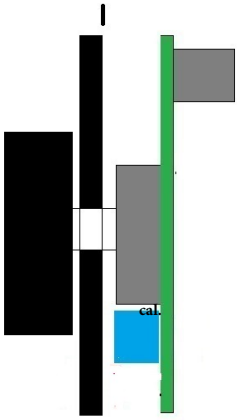
D2 AUTO RUN I/P for Q output (max 24vAC)

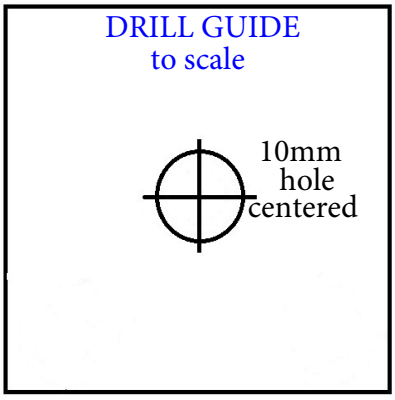
## DIMENSIONS

50mm SQUARE

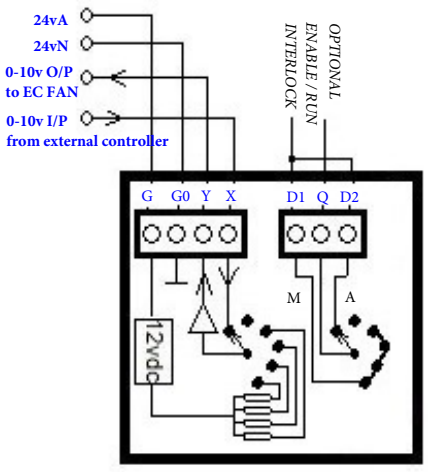



25mm 35mm

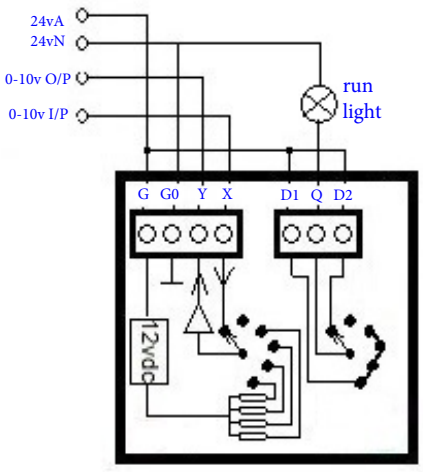


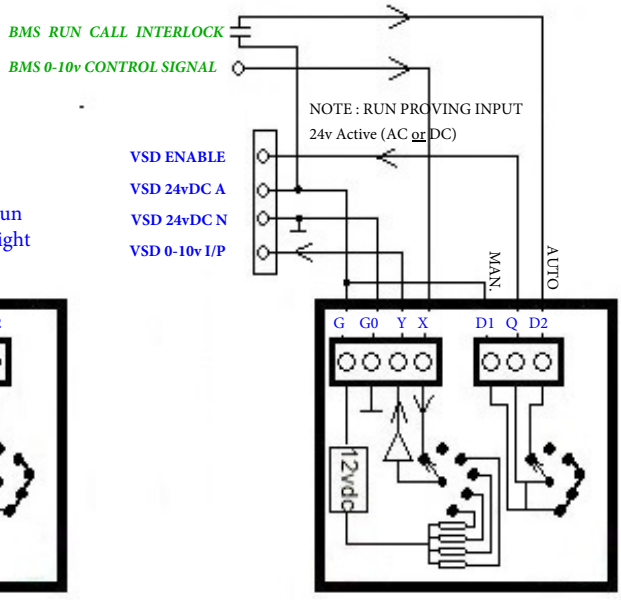

POWER SUPPLY CAN BE 24v AC or DC




EC FAN A / O / M
CONTROL SWITCH




0-10v A/O/M
CONTROL SWITCH




VSD A / O / M
CONTROL SWITCH

*The D1 to Q connections makes in any manual speed setting, D2 to Q connection makes in the Auto position.*

*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.*