HEVAC Control Agencies

SWCS-3P-RF

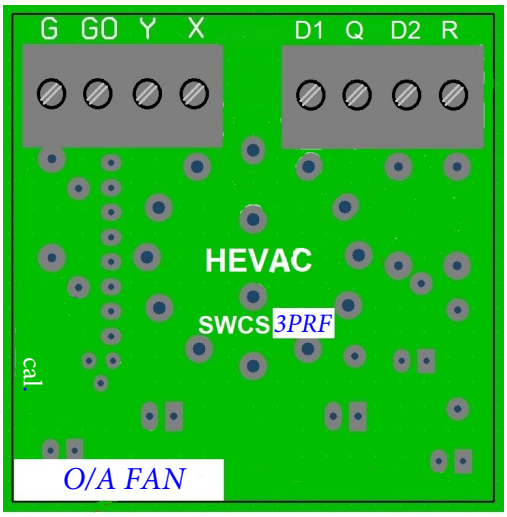
3 POSITION ROTARY CAM SWITCH

c/w **RUN & FAULT LEDs**

- **Made in Australia to Australian Standards.**
- **Auto / Off / Manual(10v) DC signal select**
- **Auto/ Off / Manual 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**
- **Trimmable Maximum / Cal. DC output (manual mode)**
- **Standard typical 50mm switchboard cam switch size.**

The SWCS-3P-RF switch mechanism is an alternative to Hevac's SWCS-4P-RF (2 selectable manual speeds), with this version having one fixed 10v manual position output manual but is trimmable via an onboard trim pot.
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 "Manual" mode positions 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 manual mode speed output. The switch mechanism is a double gang switch (2P3T) with the 2nd gang set as a 3 position switched on/off/on output typically required by VSD circuits. **SWCS-3P-RF** also has RUN & FAULT status L.E.D's interlocked to a dedicated Run input (typically derived from a CT,VSD run contacts or a pressure or Flow proving switch), to operate the green RUN or red FAIL leds.
Three 10mm holes are required to mount the SWCS-3P-RF 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

text space for use identifier

G 24v ACTIVE

G0 24v NEUTRAL

Y 0-10vDC OUTPUT TO CONTROLLED DEVICE

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

D1 MANUAL 24v RUN FEED (normally link to G)

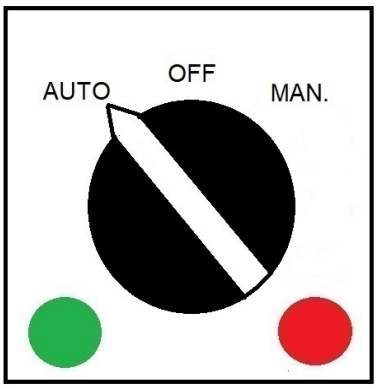
Q ENABLE OUTPUT TO CONTROLLED DEVICE

D2 AUTO 24v RUN FEED (from ext auto run call)

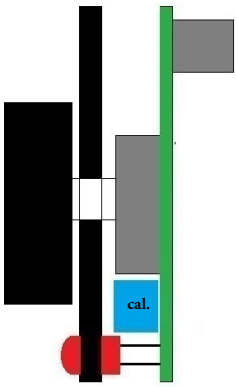
R C.T or FLOW PROVING 24v INPUT

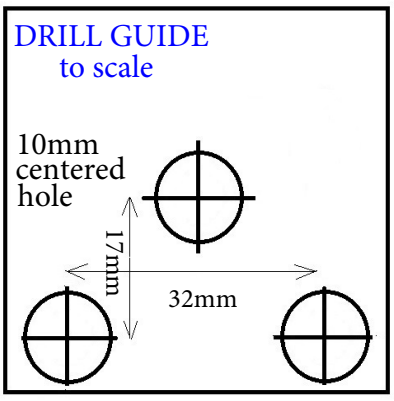
DIMENSIONS

50mm SQUARE

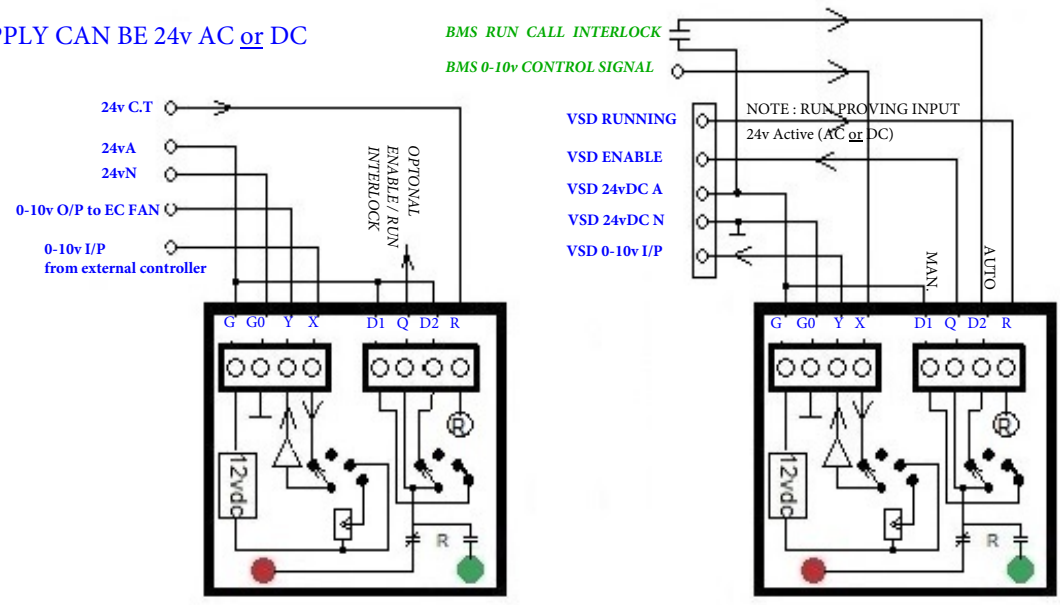


25mm 35mm





POWER SUPPLY CAN BE 24v AC or DC



EC FAN A / O / M
CONTROL SWITCH c/w
RUN & FAULT I/P's

VSD A / O / M
CONTROL SWITCH c/w
RUN & FAULT I/P's

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 run/fault led circuits as part of the internal Run/Fault led logic, suited to 24v interlocks.

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.