



SWCS-4P-RF

4 POSITION ROTARY CAM SWITCH

c/w RUN & FAULT LEDs

- **Made in Australia to Australian Standards.**
- **Auto / Off / Manual(10v) / 0-10v variable DC Output Signal**
- **Auto/Manual Enable (Run) common 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.**

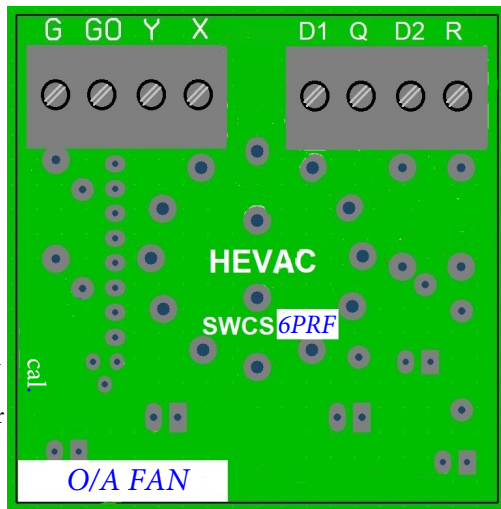
The SWCS-4P-RF switch mechanism is an alternative to Hevac's SWCS-6P-RF (4 manual fixed speeds), with this version allowing both a fixed 10v output manual position & 0-100% settable manual output via a recessed trim pot.

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 outputs. The switch mechanism is a double gang switch (2P4T) 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.

SWCS-4P-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 & one 5mm holes are required to mount the SWCS-4P-RF on the switchboard fascia also held securely in place by an adhesive film on the back of the scale plate.

TERMINAL LEGEND

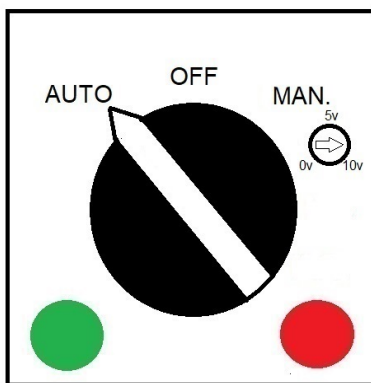


manual mode
maximum/cal
output trim
potentiometer

text space for
use identifier

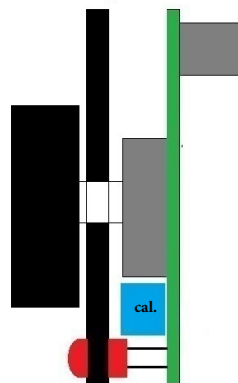
- G 24v ACTIVE
- G0 24v NEUTRAL
- Y 0-10vDC OUTPUT TO CONTROLLED DEVICE
- X 0-10vDC INPUT FROM EXT. SOURCE (AUTO)
- D1 MANUAL 24v RUN FEED (normally link to G)
- Q ENABLE OUTPUT TO CONTROLLED DEVICE
- D2 AUTO 24v RUN FEED (from ext auto run call)
- R C.T or FLOW PROVING 24v INPUT

50mm SQUARE

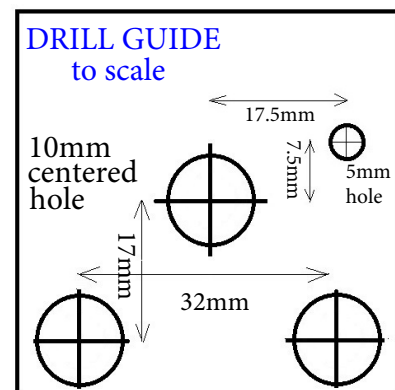


manual
mode
variable
trim pot.

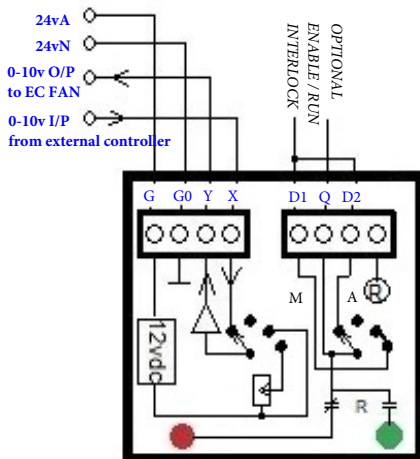
25mm | 35mm



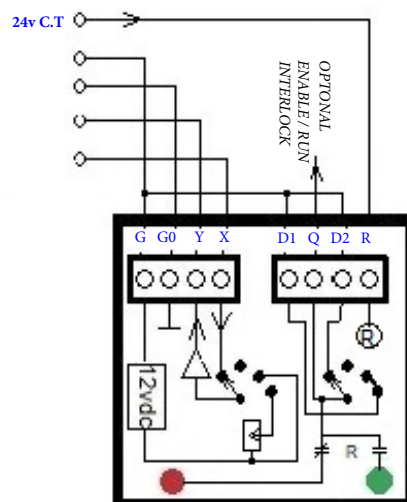
DIMENSIONS



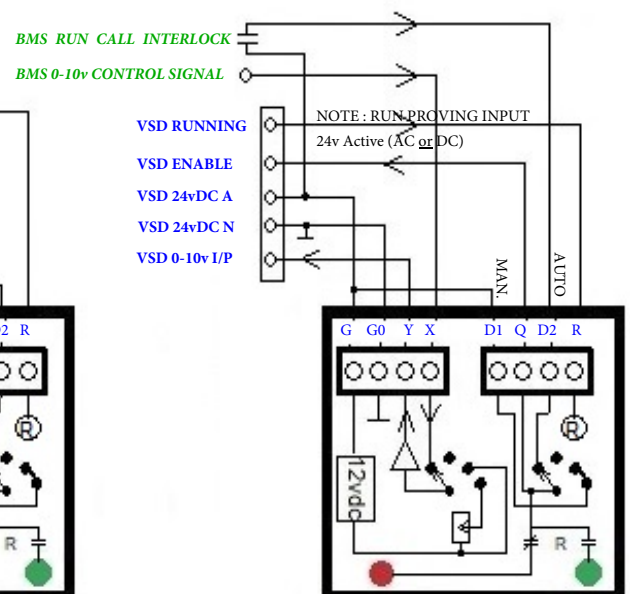
POWER SUPPLY CAN BE 24v AC or DC



EC FAN A / O / M
CONTROL
SWITCH



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.

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.