VCSO JOYSTICK

The VCSO joystick is rugged, compact and offers excellent application versatility. VCSO Joysticks are utilized where precise proportional and step control of A/C or D/C drives and electro-hydraulics is desired.



SPECIFICATIONS

GENERAL DATA

# of Axis	Single, Dual or Three* *Third axis is achieved via a twist handle function or thumbwheel.
Output Options	Contacts, Potentiometer, & Encoder
Joystick Action	Spring Return, Friction Brake or Maintained
Handle Travel	+/- 37 degrees each axis
Gate	Open or Cross
Max # of Steps	Up to 6-0-6
Handle Compatibility	Standard Handles, Mechanical Interlock, Round Ball, FG-3, FG-4, FG-5, RH, RHS, BH, MG1, MG2, MG13, MG9 / MG25, MG27, G56
Life	10 million cycles
Materials	Glass filled Zytel body, nickel chromium yoke (properties similar to stainless steel)
Est. Shipping Weight	2-3 lbs.
Est. Shipping Dimensions	8 in. x 8 in. x 8 in.

MOUNTING DATA

Mounting Style	Panel (from below)
Mounting Footprint	3.78" x 3.78" 2.84" x 2.84" (optional) See literature for additional mounting specifications

ENVIRONMENTAL DATA

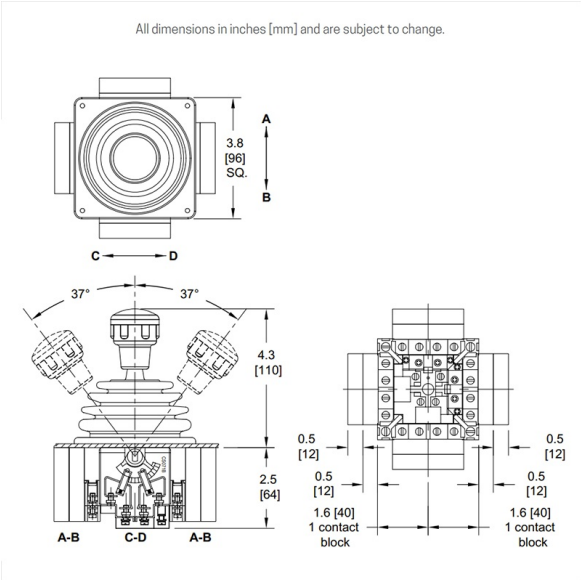
IP Rating	IP54
Operating Temperature	-13 to +158 degrees F [-25 to +70 degrees C]
Storage Temperature	-40 to +158 degrees F [-40 to +70 degrees C]

ELECTRICAL DATA

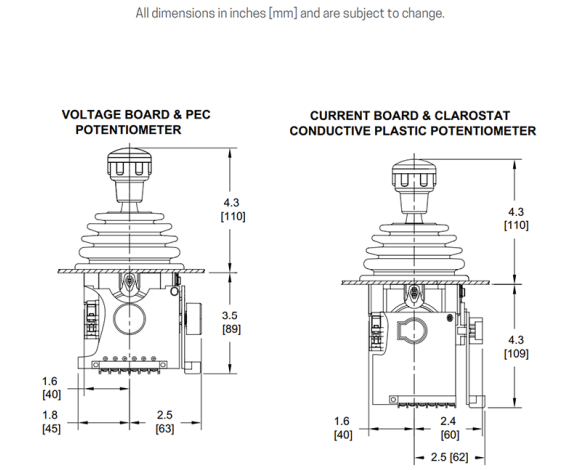
Contact Specifications	Switch Type: Double Pole Contact Blocks Max. Number: Up to 3 contact blocks (6 circuits) with potentiometer Up to 6 contact blocks (12 circuits) without potentiometer Rating (AC): Resistive 10 amps @ 240V Inductive 4 amps @ 240V Termination: Saddle Clamp Max. Wire Size: 12 AWG
Additional Specifications	Reference product literature for additional specifications

Technical Drawings

Dimensional

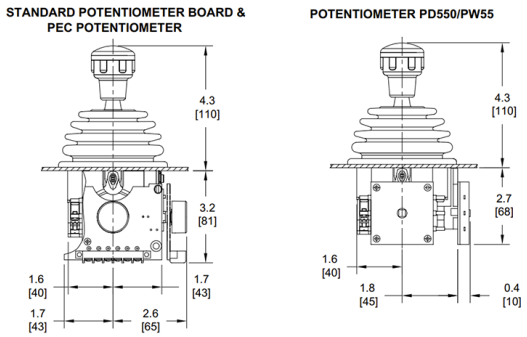


VCSO overall dimensions. Shown with dual axis operation and standard 2 piece handle.



VCSO dimensions for potentiometer boards

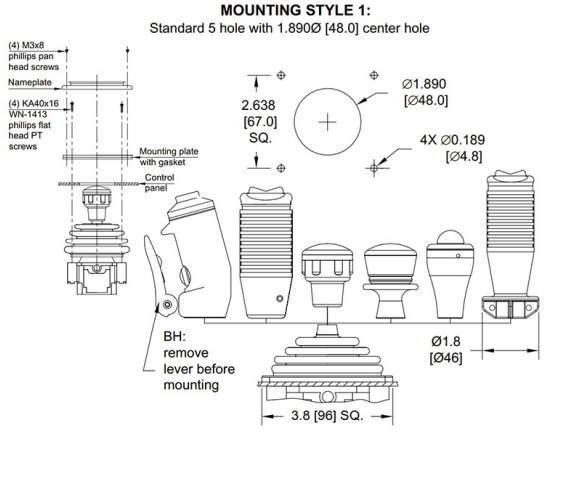
All dimensions in inches [mm] and are subject to change.



VCSO dimensions for potentiometer boards and PD550

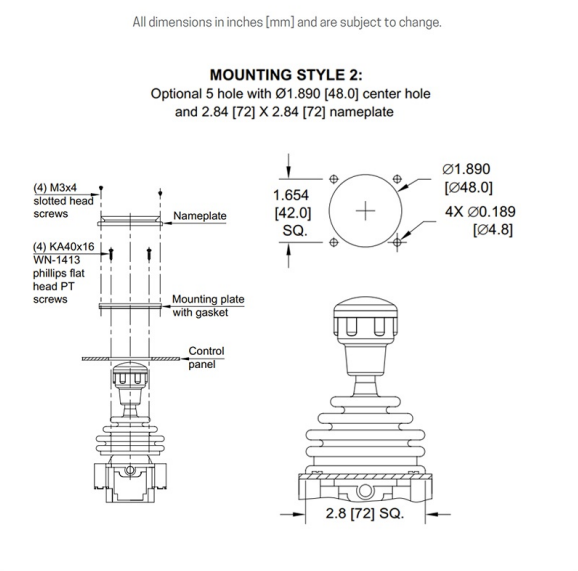
Mounting

All dimensions in inches [mm] and are subject to change.

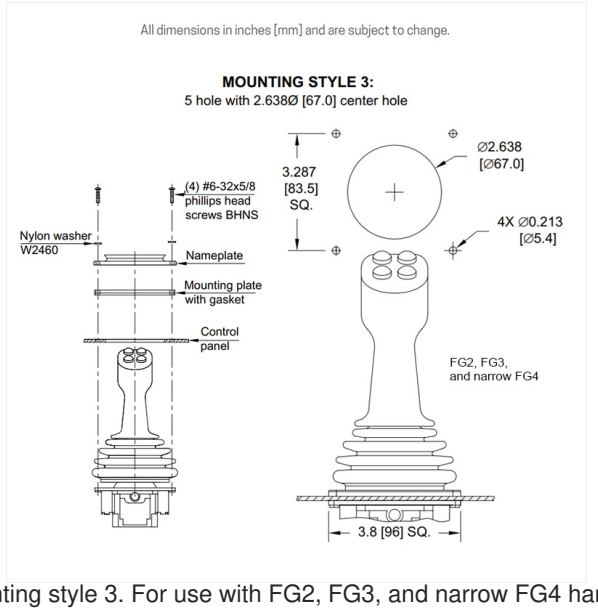


Mounting style 1. Standard VCSO mounting for use with BH, RH, RHS, MG27 and standard handles.

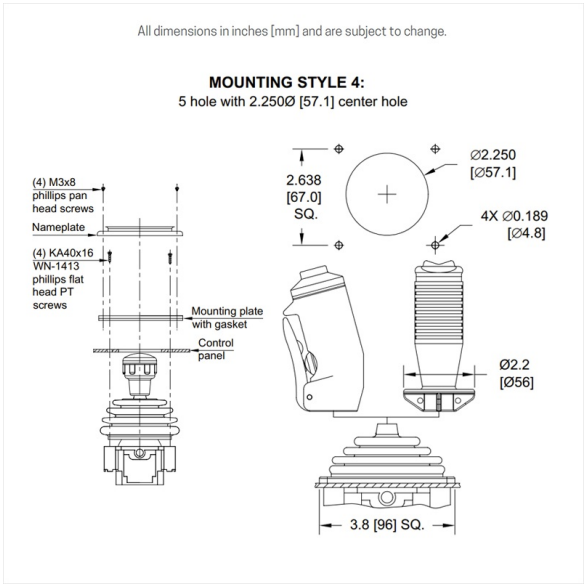
All dimensions in inches [mm] and are subject to change.



Mounting style 2. Optional mounting for use with 2.84 x 2.84 nameplate.



Mounting style 3. For use with FG2, FG3, and narrow FG4 handles.



Mounting style 4. For use with BH handle and RH handles. BH lever does not need to be removed for installation.