

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)

3.78" x 3.78" Mounting Footprint 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

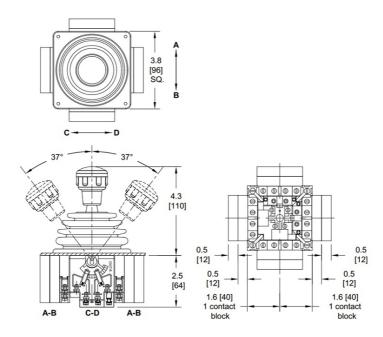
	Switch Type: Double Pole Contact Blocks
	Max. Number: Up to 3 contact blocks (6 circuits) with potentiometer Up to 6 contact blocks (12 circuits) without potentiometer
Contact Specifications	Rating (AC): Resistive 10 amps @ 240V Inductive 4 amps @ 240V
	Termination: Saddle Clamp
	Max. Wire Size: 12 AWG

Additional Specifications Reference product literature for additional specifications

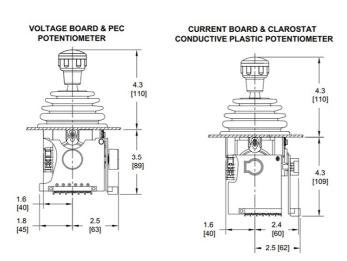
Technical Drawings

Dimensional

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

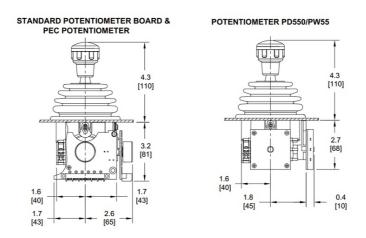


VCSO overall dimensions. Shown with dual axis operation and standard 2 piece handle.



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

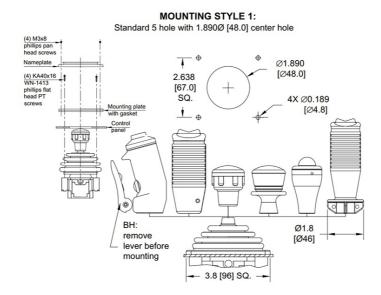
VCSO dimensions for potentiometer boards



VCSO dimensions for potentiometer boards and PD550

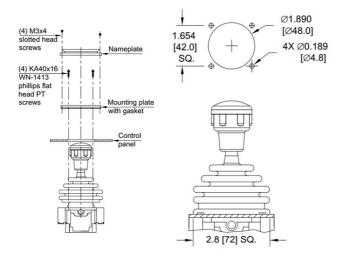
Mounting

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

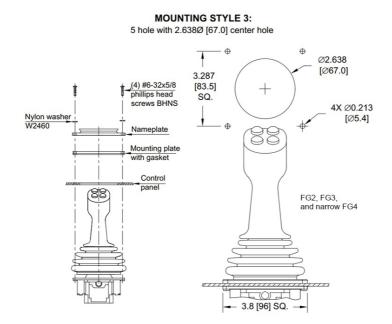


Mounting style 1. Standard VCSO mounting for use with BH, RH, RHS, MG27 and standard handles.

MOUNTING STYLE 2: Optional 5 hole with Ø1.890 [48.0] center hole and 2.84 [72] X 2.84 [72] nameplate



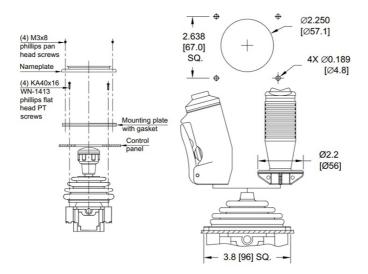
Mounting style 2. Optional mounting for use with 2.84 x 2.84 nameplate.



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

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

MOUNTING STYLE 4: 5 hole with 2.250Ø [57.1] center hole



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