

## 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]

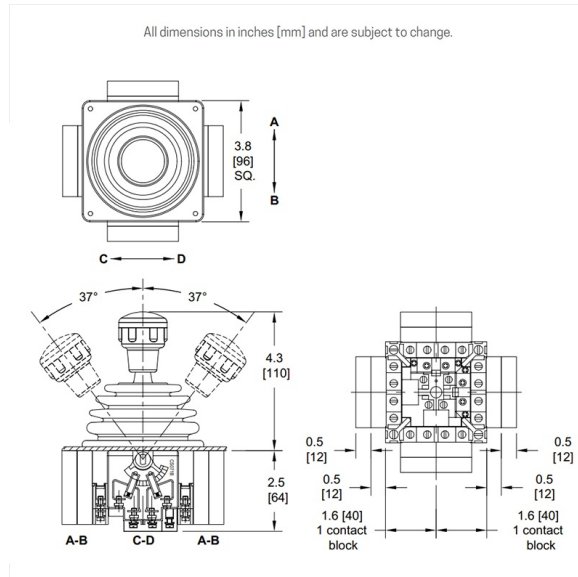
## ELECTRICAL DATA

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
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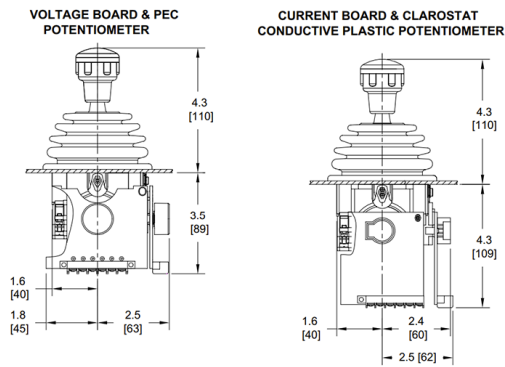
Additional Specifications Reference product literature for additional specifications

# Technical Drawings

## Dimensional

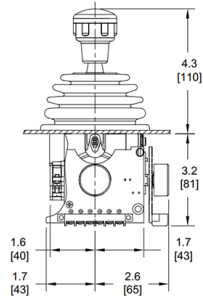


All dimensions in inches [mm] and are subject to change.

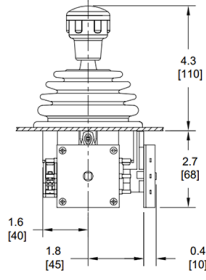


All dimensions in inches [mm] and are subject to change.

**STANDARD POTENTIOMETER BOARD & PEC POTENTIOMETER**



**POTENTIOMETER PD550/PW55**



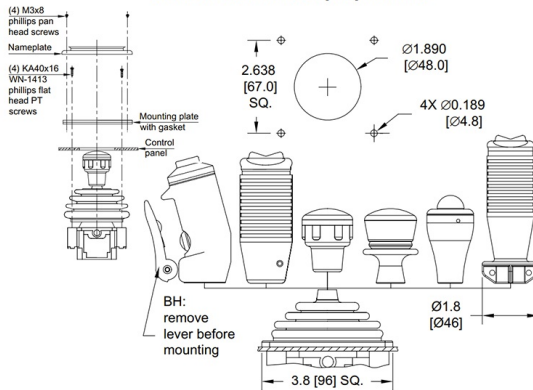
VCSO dimensions for potentiometer boards and PD550

**Mounting**

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

**MOUNTING STYLE 1:**

Standard 5 hole with 1.890 [48.0] center hole

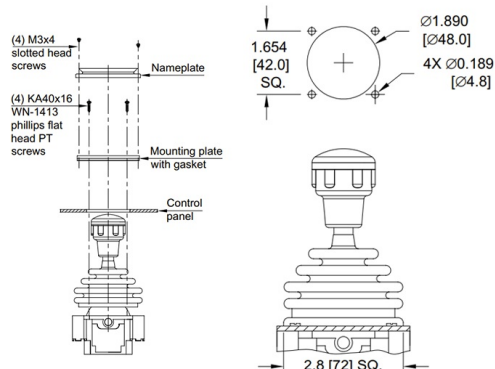


Mounting style 1. Standard VCSO mounting for use with BH, RH, RHS, MG27 and standard handles.

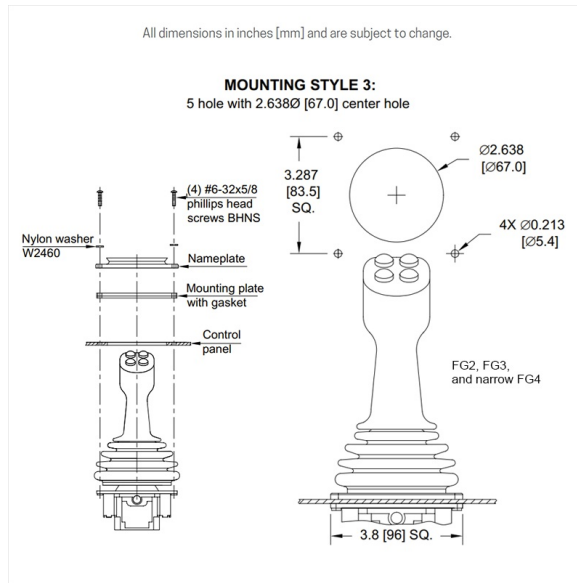
All dimensions in inches [mm] and are subject to change.

**MOUNTING STYLE 2:**

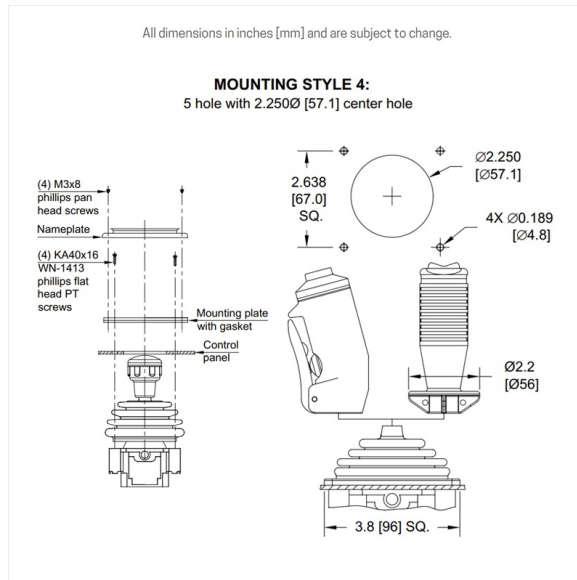
Optional 5 hole with Ø1.890 [48.0] center hole and 2.84 [72] X 2.84 [72] nameplate



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



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.