

## VNS2 JOYSTICK

Often described as an oversized VNSO, the VNS2 multi-axis joystick offers the maximum in ruggedness and versatility. The VNS2 provides step and stepless control for AC & DC variable speed applications, and feature contact drives that can be configured to fit into the available panel space.



## 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, 4-20mA & Transformer
Joystick Action	Spring Return, Friction Brake or Maintained
Handle Travel	+/- 40 degrees each axis
Gate	Open or Cross
Max # of Steps	Up to 7-0-7
Handle Compatibility	Standard Handles, Mechanical Interlock, FG-3, FG-4, FG-5, RH, RHS, BH, MG1, MG2, MG13, MG9 / MG25, MG27, G56
Life	20 million cycles
Materials	Aluminum body and nickel chromium yoke.
Est. Shipping Weight	1 Axis: 17 lbs. 2-Axis: 21 lbs.
Est. Shipping Dimensions	1-Axis: 24 in. x 12 in. x 12 in. 2-Axis: 18 in. x 18 in. x 16 in.

## MOUNTING DATA

Mounting Style	Panel (from below)
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Mounting Footprint	5.67" x 5.67" See literature for additional mounting specifications
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## ENVIRONMENTAL DATA

IP Rating	IP54
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Operating Temperature	-13 to +158 degrees F [-25 to +70 degrees C]
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## ELECTRICAL DATA

### Contact Specifications

Switch Type:  
Double Pole Contact Blocks

Max. Number:  
Up to 10 contact blocks (20 circuits) per axis

Max. Switching Capacity:  
Making - 160 amps  
Breaking - (0.7PF) 240V 160 amps

Rating (AC) VNS2:  
Continuous 25 amps @ 600V  
Resistive 20 amps @ 240V  
Inductive 14 amps @ 240V

Rating (DC) VNSB2:  
Resistive 5 amps @ 250V  
Inductive 2 amps @ 250V

Termination:  
Saddle Clamp

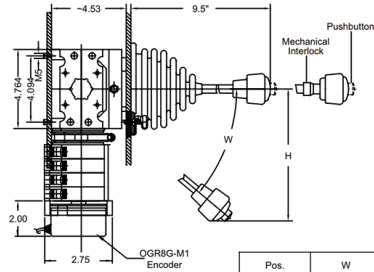
Max. Wire Size:  
12 AWG

Additional Specifications Reference product literature for additional specifications

# Technical Drawings

## Dimensional

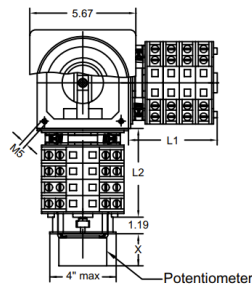
All dimensions in inches [mm] and are subject to change.



Pos.	W	H
1-0-1	10"	2.50
2-0-2	20"	3.87
3-0-3	30"	5.00
4-0-4	40"	6.37
5-0-5	40"	6.37
6-0-6	35"	5.75
7-0-7	40"	6.37

VNS2 dimensions and handle degree of travel

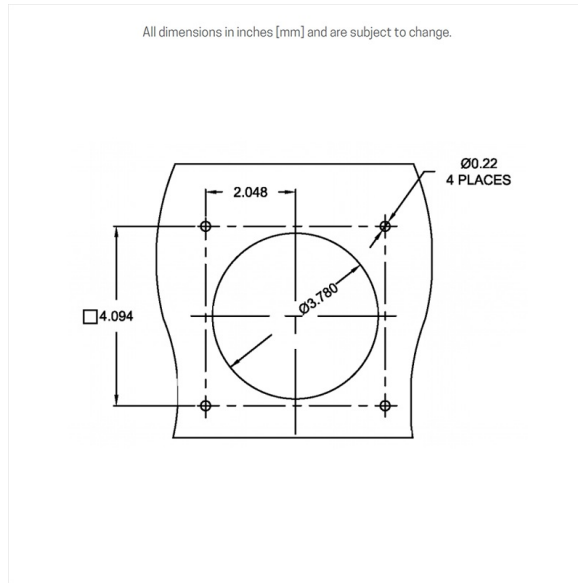
All dimensions in inches [mm] and are subject to change.



L1 or L2 Dimensions	2.28	3.15	4.00	4.88	5.75	6.61	7.48	8.35	9.21	10.07
Double Pole Contact Blocks	1	2	3	4	5	6	7	8	9	10

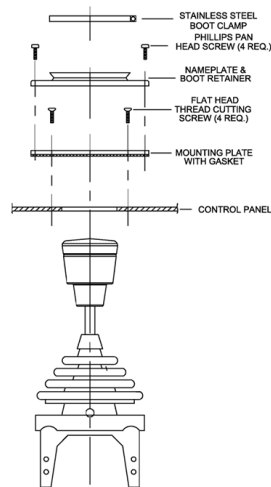
VNS2 dimensions including contact drives

# Mounting



VNS2 mounting details

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



VNS2 mounting instructions