

## NSO-SFA JOYSTICK

The NSO-SFA single axis mill duty controllers are characterized by their unmatched versatility and rugged construction. Space saving design, cast aluminum construction, IP56 housing, heavy-duty torsion spring and marine epoxy paint make this controller resistant to abuse and ideally suited for high-duty cycle mill applications and environmentally challenging marine applications.



## SPECIFICATIONS

### GENERAL DATA

|                      |   |
|----------------------|---|
| # of Axis            | Single  |
| Output Options       | Contacts, Potentiometer, Encoder, 4-20mA & Transformer            |
| Joystick Action      | Spring Return, Friction Brake or Maintained                       |
| Handle Travel        | +/- 42 degrees each axis  |
| Max # of Steps       | Up to 7-0-7   |
| Handle Compatibility | Standard Handles, Push Button, Mechanical Interlock, RH, BH, MG27 |
| Life                 | 10 million cycles   |
| Materials            | Powder-coated aluminum housing.                                   |
| Est. Shipping Weight | 3 lbs.  |

|                          |                         |
|--------------------------|-------------------------|
| Est. Shipping Dimensions | 13 in. x 10 in. x 6 in. |
|--------------------------|-------------------------|

### MOUNTING DATA

|                    |  |
|--------------------|--|
| Mounting Style     | Drop-in  |
| Mounting Footprint | 2.56" x 2.56"<br>See literature for additional mounting specifications |

ENVIRONMENTAL DATA

|                       |  |
|-----------------------|--|
| IP Rating             | IP56   |
| Operating Temperature | -4 to +140 degrees F [-20 to +60 degrees C]  |
| Storage Temperature   | -40 to +140 degrees F [-40 to +60 degrees C] |

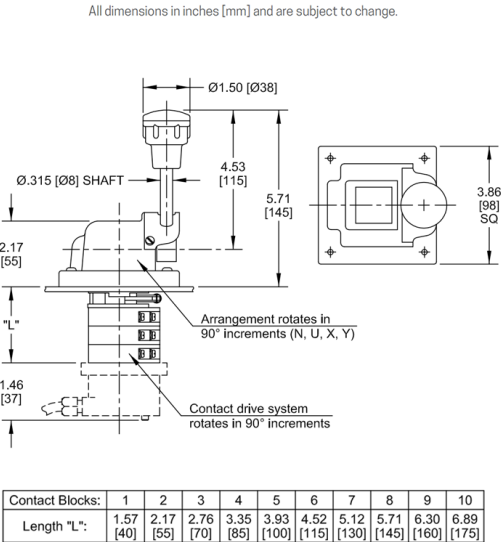
ELECTRICAL DATA

|                        |   |
|------------------------|---|
| Contact Specifications | Switch Type:<br>Double Pole Snap-In Contact Blocks  |
|                        | Max. Number:<br>Up to 10 contact blocks (20 circuits)   |
|                        | Max. Switching Capacity:<br>Making - 100 amps<br>Breaking - (0.7PF) 240V 80 amps                |
|                        | Rating (AC):<br>Continuous 16 amps @ 240V<br>Resistive 8 amps @ 240V<br>Inductive 6 amps @ 240V |
|                        | Termination:<br>Captive Saddle Clamp  |
|                        | Max. Wire Size:<br>12 AWG   |

Additional Specifications    Reference product literature for additional specifications

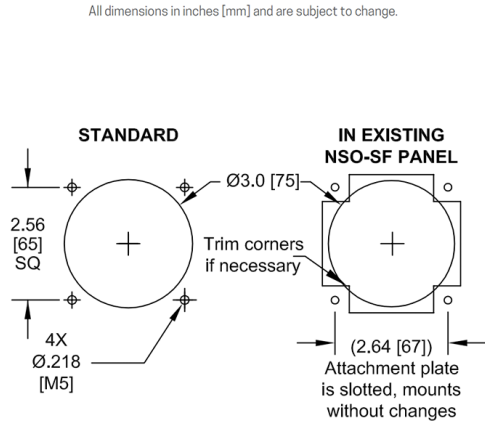
Technical Drawings

Dimensional

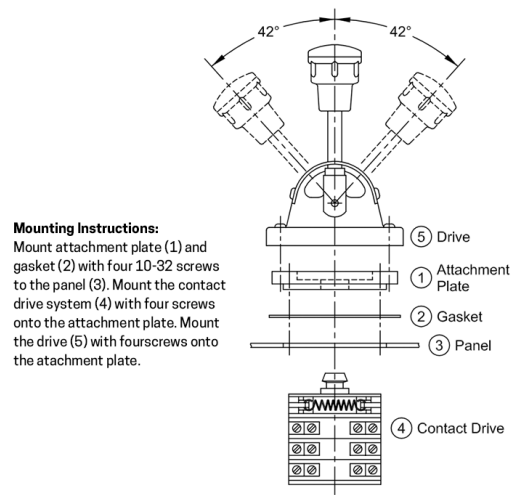


Overall dimensions. Shown with standard 2 piece handle.

Mounting



Mounting hole details



Mounting instructions for installation