PRO-6 JOYSTICK

The heavy-duty single axis PRO-6 joystick features smooth, field-adjustable friction brake operation for applications where speed must remain constant under continuous shock and vibration. It's designed for a high mechanical life and offers universal mounting capability. Also available in spring return operation and a variety of output types.



SPECIFICATIONS

GENERAL DATA

# of Axis	Single
Output Options	Microswitches, Potentiometer, Hall-Effect, PWM & CAN
Joystick Action	Spring Return or Friction Brake
Handle Travel	+/- 36 degrees for potentiometer
Handle Compatibility	2 Piece, Round Ball, Mechanical Interlock, RH, RHS, BH, FG-3, FG-4, FG-5, MG1, MG2, MG13, MG27, TH30, G56
Life	10 million cycles
Materials	Features a cast housing and gasketing for outdoor use, as well as plated steel sides, self lubricating bearings, hard nickel chromium spring return arms, compression style return spring and brass gears.
Est. Shipping Weight	3 lbs.
Est. Shipping Dimensions	8 in. x 8 in. x 8 in.

MOUNTING DATA

Mounting Style	Drop-in or Panel (from below)
Mounting Footprint	2.26" x 3.46" See literature for additional mounting specifications

ENVIRONMENTAL DATA

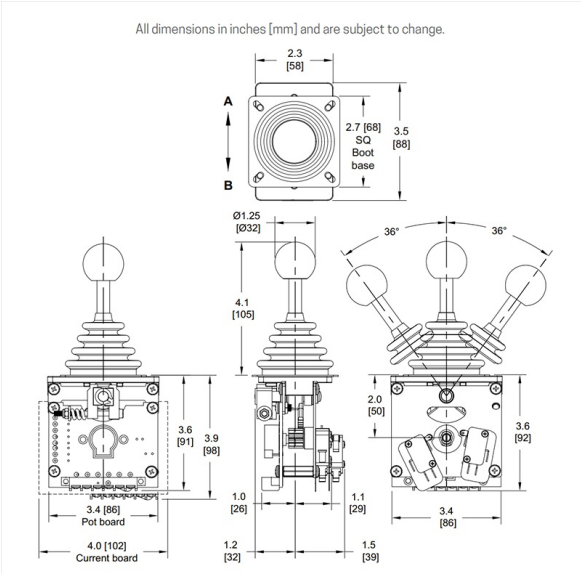
IP Rating	IP54
Operating Temperature	-13 to +158 degrees F [-25 to +70 degrees C]
Storage Temperature	-40 to +158 degrees F [-40 to +70 degrees C]

ELECTRICAL DATA

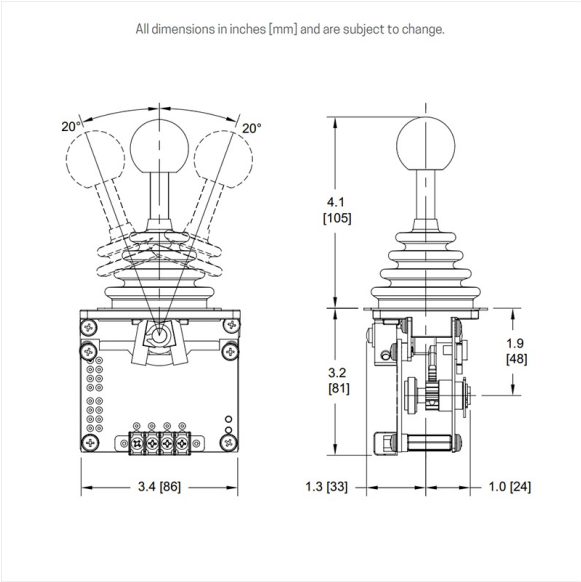
Contact Specifications	Switch Type: SPDT (Form C) V Series Microswitches Max. Number: Up to 4 Current Rating (AC): 11A Voltage Rating (AC): 250 Termination: .187" x .20" male quick connect Max. Wire Size: 18 AWG
Hall-Effect Specifications	Supply Voltage: 4.5 to 5.5 VDC Output Voltage: Ratiometric 0.5 - 2.5 - 4.5 +/- 0.15V @ 5.0V supply Additional supply and output options available Output Current: 10mA Power Consumption: 20 mA @ full load Termination: 20 AWG wire 6" leads with mini-fit connector EMC Emissions: Complies with EN61000-6-4:2007 Class A Group 1, 80-1000 MHz EMC Immunity: Complies with or exceeds EN61000-6-2:2005, expanded to include: RFI Immunity of 100 V/M @ 80-1000 MHz ESD Immunity of 15Kv air, 8Kv contact
Can Specifications	CANOpen, J1939 or basic CAN protocols 4 analog inputs 8 digital inputs 2 digital outputs See a complete listing of CANbus technical data in ESS408 CAN Based Interface Module Board literature
Additional Specifications	Reference product literature for additional specifications

Technical Drawings

Dimensional



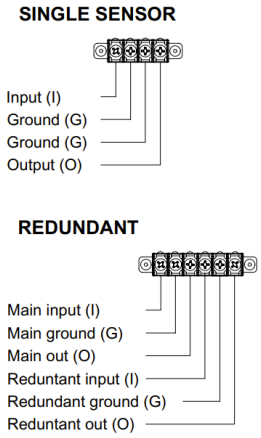
Standard PRO-6 dimensions. Shown with round ball handle.



Hall-effect PRO-6 dimensions. Shown with round ball handle.

Wiring

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



Hall-effect wiring details.