

CS1 JOYSTICK

The CS1 boasts an ultra compact and extremely rugged design that is ideal for applications requiring bang/bang and/or potentiometer outputs. Single and dual axis control is available as well as a variety of custom configurable handles and grips.



SPECIFICATIONS

GENERAL DATA

# of Axis	Single, Dual or Three* *Third axis is achieved via a twist handle function or thumbwheel.
Output Options	Microswitches, Potentiometers
Joystick Action	Spring Return or Friction Brake* *Friction brake limited to one output device per axis
Handle Travel	+/- 36 degrees each axis (standard) +/- 26 degrees each axis (optional)
Gate	Open or Cross
Max # of Steps	1-0-1
Handle Compatibility	Standard Handles, BH, RH, RHS, FG-3, FG-4, FG-5, MG1, MG2, MG9, MG13, MG27, TH30, G56, G58
Life	3-5 million cycles
Materials	Nickel chromium yoke, glass filled body.
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	2.84" x 2.84" Panel mount (standard) 3.78" x 3.78" Drop-in mount (required for fighter grip handles) 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:	SPDT (Form C) SS Series Microswitches (Proportional) SPDT (Form C) V Series Microswitches (Bang/Bang)
Max. Number:	Up to 4 per axis with potentiometer (Proportional) Up to 8 per axis without potentiometer (Proportional) Up to 2 per axis (Bang/Bang)
Current Rating (AC):	5A (Proportional) 11A (Bang/Bang)
Voltage Rating (AC):	250 (Proportional) 250 (Bang/Bang)
Current Rating (DC):	6A (Bang/Bang)
Voltage Rating (DC):	12 - 24 (Bang/Bang)
Termination:	.110 x .20" quick disconnect (5A Proportional) .187" x .20" male quick connect (11A Bang/Bang)
Max. Wire Size:	18 AWG

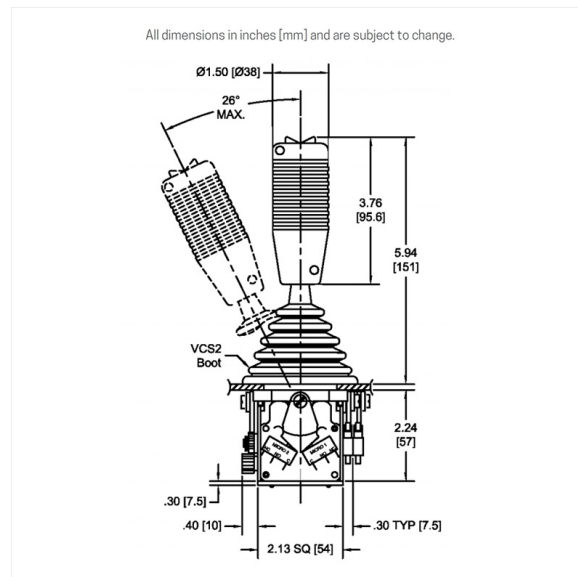
Additional Specifications Reference product literature for additional specifications

Technical Drawings

Dimensional

CS1 with a standard 2-piece handle, internal potentiometer and (2) 5A SPDT microswitches each axis

CS1 bang/bang with a round ball handle and 10A microswitches



CS1 with an RHS rocker handle and internal potentiometer

Mounting

Panel mounting (mounts from below) with 1.89 in $\varnothing$ (48 mm) or 2.244 in $\varnothing$ (57 mm) center hole

Drop-in mounting (mounts from above) with 3.149 in $\varnothing$ (80 mm) center hole and adaptor plate