

SPECIFICATIONS

ELECTRICAL

RESISTANCE	-----	10K OHM
TOLERANCE	-----	±15%
LINEARITY (INDEPENDENT)	-----	±3.0%
POWER RATING	-----	0.2 WATT
LEVER ELECTRICAL ANGLE	-----	44°
RESOLUTION	-----	ESSENTIALLY INFINITE
OUTPUT SMOOTHNESS	-----	BELOW 0.2% AGAINST INPUT VOLTAGE
CONTACT RESISTANCE VARIATION	-----	BELOW 5% C.R.V.
INSULATION RESISTANCE	-----	1000 MEGA OHMS @ 500VDC
DIELECTRIC STRENGTH	-----	1 MINUTE AT 500 VAC
MAX. WIPER OUTPUT	-----	1 mA RECOMMENDED, 5 mA MAX.

MECHANICAL

RANGE OF OPERATING LEVER	-----	±22° ~ ±26° OMNI-DIRECTIONAL FROM CENTER.
OPERATING FORCE FOR X AND Y DIR.	-----	APPROX. 7.2 TO 43.2 OZ-F
OPERATING TEMPERATURE	-----	-20°C TO +60°C
LIFE EXPECTANCY	-----	5 MILLION OPERATIONS
WEIGHT	-----	APPROX. 23 OZ.

MATERIALS

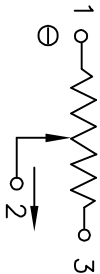
HOUSING	-----	ALUMINUM
ELEMENT	-----	CONDUCTIVE PLASTIC.
KNOB	-----	HARD PLASTIC.

"I" LEVER OPERATION



FOR Y AXIS: ⊕ DIRECTION

SCHEMATIC



NOMENCLATURE

J90-I Q 1 0-S M B
RUBBER BOOT. (LEAVE BLANK IF NOT DESIRED)
MOUNTING PANEL

SPRING RETURN. (LEAVE BLANK IF NOT DESIRED)

No. OF SWITCHES. (6 POSSIBLE)

No. OF POTENTIOMETERS. (3 POSSIBLE)

HANDLE DESIGN

JOYSTICK SERIES

SCALE	DATE: 9-10-00
NONE	BY
APPRVD	BT
CODE IDENT: 19477	

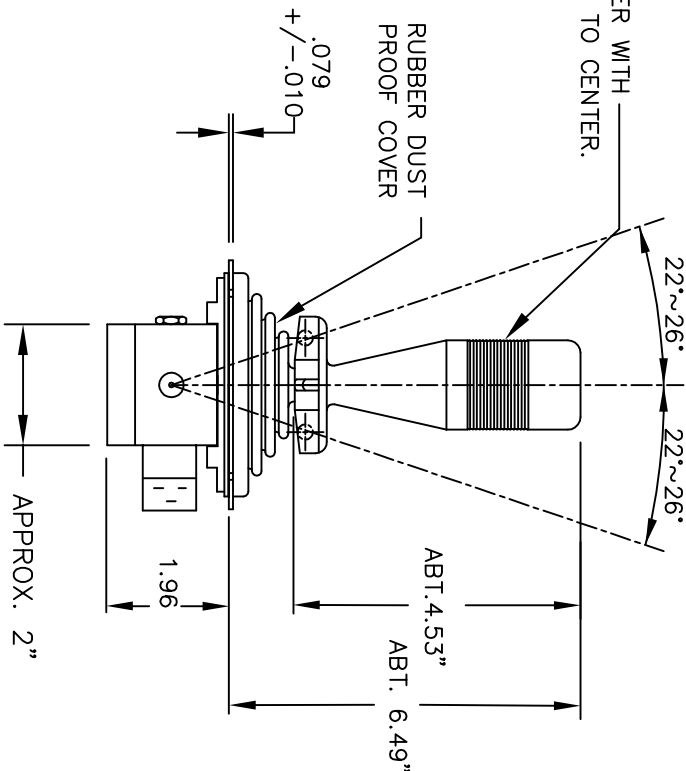
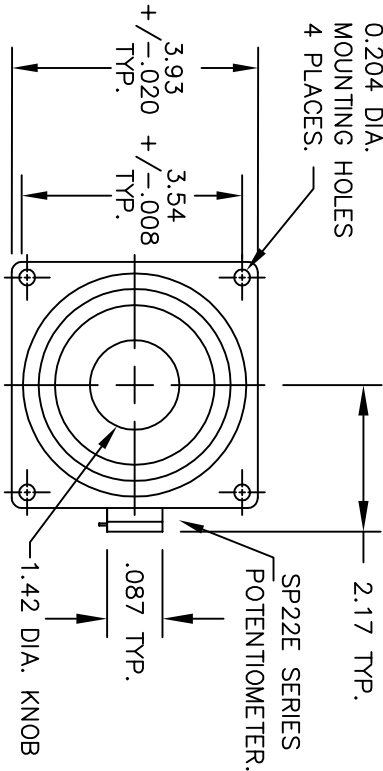


ETI SYSTEMS
CARLSBAD
CALIFORNIA

JOYSTICK

J90-IQ10-SMB

REV.	BY	DATE	P/N
B	AT	7-23-2005	REMOVED CENTER DETENT
C	AT	1-06-2025	RESISTANCE VALUE 10K OHM



PANEL ARRANGEMENT

