P/N J9–00106

ELECTRICAL CHARACTERISTICS.

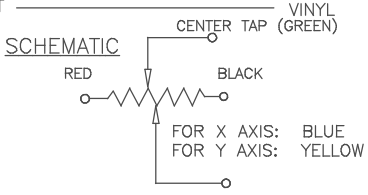
INDUCTIVE JOYSTICK

SUPPLY VOLTAGE	4.75V – 15V
SIGNAL SWING(FROM CENTER)	±50% VS
OUTPUT SIGNAL TOLERANCE	±10% OF OUTPUT
OUTPUT IMPEDANCE	1.8KOHMS±1%
SIGNAL RIPPLE	<1% OF OUTPUT
SUPPLY CURRENT	TYPICALLY 10mA
OPERATING TEMPERATURE	–20°C – +55°C
ESD IMMUNITY	>12 KV
RFI IMMUNITY	20V/m
RFI IMMUNITY (TYPICAL)	>40 V/m (INSTALLED)
PREFERRED LOAD (TYPICAL)	>10K

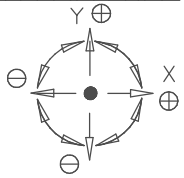
MECHANICAL CHARACTERISTICS.

BODY	GLASS RE–ENFORCED ABS
SHAFT MATERIAL	A303 STAINLESS STEEL
SHAFT DIAMETER	.200 TYPICAL
WASHER PLATE	BRASS OR ACETAL
GIMBAL PIVOT	ACETAL
CENTERING CONE	BRASS OR ACETAL
SPRING	STAINLESS STEEL
PIVOT PINS	HARDENED STEEL
LIMITER PLATE	GLASS RE–ENFORCED NYLON
BEZELS	GLASS RE–ENFORCED NYLON
KNOB	DURAPLAST
LEVER DEFLECTION	±18°
ENVIRONMENTAL	IP 65 ABOVE PANEL
WEIGHT	70g TYPICAL
SERVICE LIFE	15 MILLION CYCLES TYPICAL
BOOT	VINYL

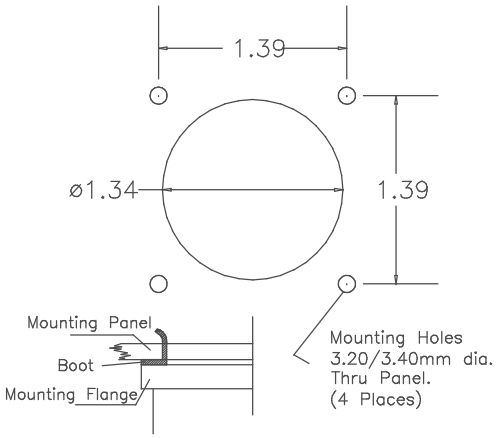
SCHEMATIC

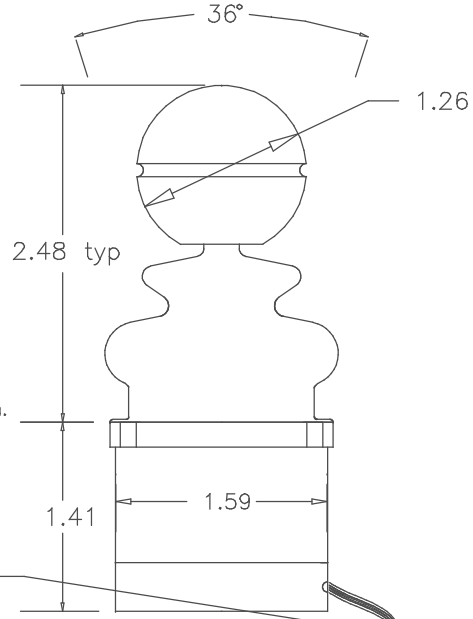


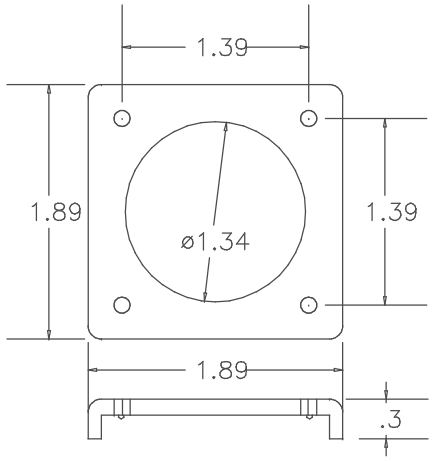
LEVER DIRECTION

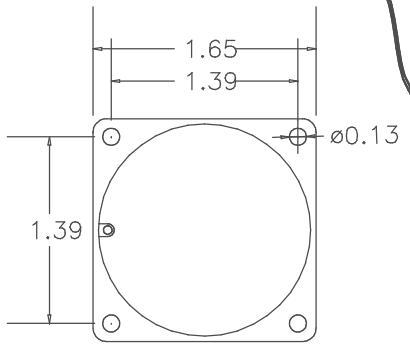


Panel mount Detail









TOLERANCES XX = +/– .010" FRACT. = +/– 1/64" XXX= +/– .005" ANGLES = +/– 1/2° ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.	SCALE NONE	DATE: 6–02–03 BY AT APPRV'D	ETI SYSTEMS CARLSBAD CALIFORNIA
TITLE INDUCTIVE JOYSTICK	PART NO. J9–00106	CODE IDENT: 19477	