

ELECTRICAL SPECIFICATIONS

CURRENT CONSUMPTION ----- APPROX. 6mA
APPLIED VOLTAGE ----- 5V DC $\pm$ 10%
LINEARITY (INDEPENDENT) ----- $\pm$ 3.0%
LOAD RESISTANCE ----- 100K OHM MIN.
LEVER ELECTRICAL ANGLE X,Y AXIS ----- 30° MAX.
LEVER ELECTRICAL ANGLE Z AXIS ----- 60° MAX.
RESOLUTION ----- ESSENTIALLY INFINITE
OUTPUT TEMPERATURE CHARACTERISTIC ----- BELOW $\pm$ 2.5% V(OUT)
INSULATION RESISTANCE ----- OVER 100 MEGA OHMS @ 250VDC.
DIELECTRIC STRENGTH ----- 1 MINUTE AT 250 VAC
DRIFT AT CENTER POSITION ----- BELOW $\pm$ 0.5% V(OUT)
EMC IMMUNITY ----- 50V/m (80MHz-1GHz SINE WAVE)

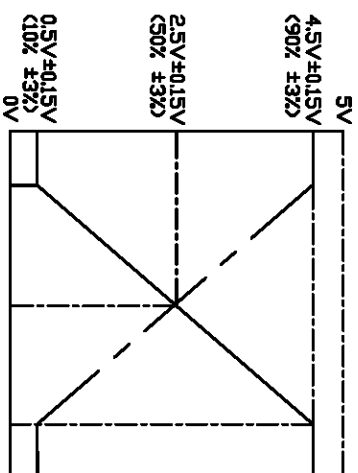
MECHANICAL

RANGE OF OPERATING X,Y AXIS ----- $\pm$ 15° FROM CENTER
RANGE OF OPERATING X,Y AXIS ----- $\pm$ 30° FROM CENTER
OPERATING FORCE X,Y AXIS ----- APPROX. 5.39 ~10.79 OZ.FORCE
OPERATING FORCE Z AXIS ----- APPROX. 1.39 ~4.16 OZ.IN FORCE
OPERATING TEMPERATURE ----- -20°C TO +60°C
LIFE EXPECTANCY ----- 1 MILLION OPERATIONS
VIBRATION ----- 10G @ 55HZ
SHOCK ----- 30G

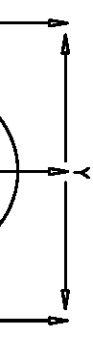
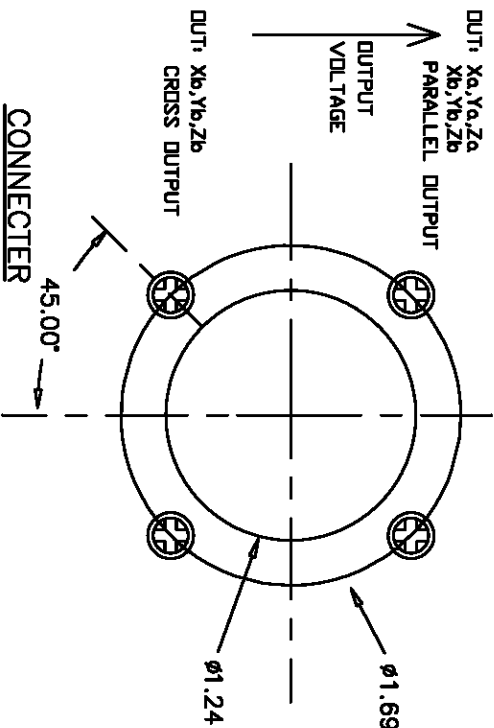
MATERIALS

HOUSING ----- HIGH TEMP. THERMO PLASTIC
INGRESS PROTECTION ----- IP54

SCHEMATIC



PANEL ARRANGEMENT



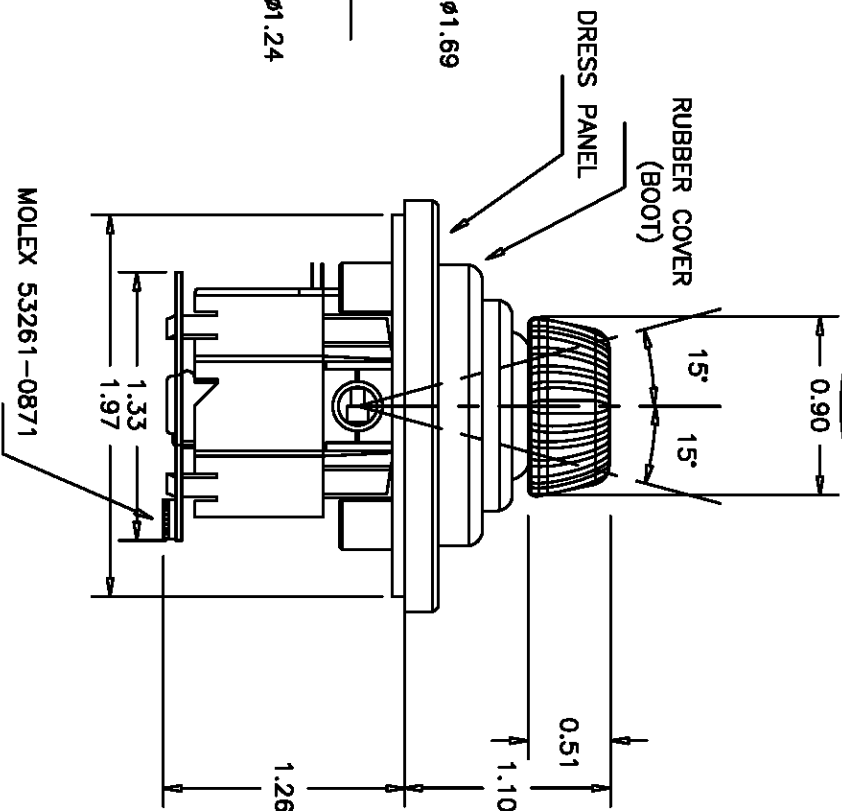
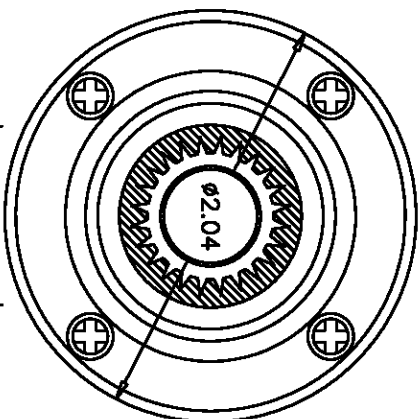
LEVER OPERATION

CONNECTER



MOLEX 51021-0800

REV.	BY	DATE	P/N	J30H-XYZ-B



SCALE	DATE: 7/01/04
NONE	BY AT
CODE IDENT: 19477	APPRVD



ETI SYSTEMS
CARLSBAD
CALIFORNIA

TITLE
HALL EFFECT
JOYSTICK

PART NO.
J30H-XYZ-B