

ELECTRICAL SPECIFICATIONS

CURRENT CONSUMPTION ----- APPROX. 7mA (ONE AXIS PER ONE OUTPUT)
APPLIED VOLTAGE----- 5V DC $\pm$ 10%
LINEARITY (INDEPENDENT)----- $\pm$ 3.0% FS
LOAD RESISTANCE----- 10KOHM MIN.
LEVER ELECTRICAL ANGLE X,Y AXIS----- APPROX. 30° MAX.
LEVER ELECTRICAL ANGLE Z AXIS----- APPROX. 60° MAX.
OUPUT TEMPERATURE CHARACTERISTIC ----- BELOW $\pm$ 2.5% Vout.FS
INSULATION RESISTANCE----- OVER 100 MEGA OHMS @ 250VDC.
DIELECTRIC STRENGTH----- 1 MINUTE AT 250 VAC
DRIFT AT CENTER POSITION----- BELOW $\pm$ 1% Vout.FS
EMC IMMUNITY----- 50V/m (80MHz-1GHz SINE WAVE)

MECHANICAL

RANGE OF OPERATING X,Y AXIS----- APPROX. $\pm$ 15° FROM CENTER
RANGE OF OPERATING Z AXIS----- APPROX. $\pm$ 30° FROM CENTER
OPERATING FORCE X,Y AXIS----- APPROX. 5.39 ~ 12.35 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 @10 ~55HZ
SHOCK----- 30G

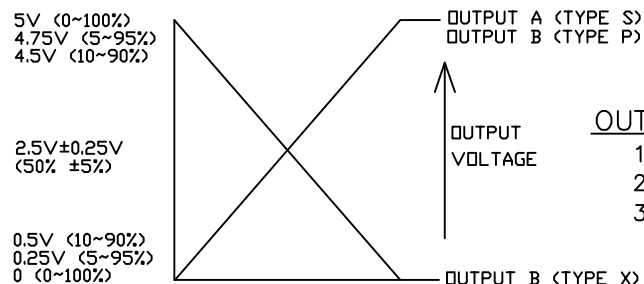
MATERIALS

HOUSING----- HIGH TEMP. THERMO PLASTIC
LEVER MATERIAL ----- 303 STAINLESS STEEL

ENVIRONMENTAL

INGRESS PROTECTION ----- IP54
ROHS AND REACH COMPLIANT

SCHEMATIC FOR X,Y,Z



OUTPUT OPTIONS:

- 1 - 10~90%
- 2 - 5~95%
- 3 - 0~100%

OUTPUT TYPE:

- TYPE S: SINGLE OUTPUT (OUT B NOT CONNECTED)
TYPE X: DUAL OUTPUT (CROSS OUTPUT)
TYPE P: DUAL OUTPUT (PARALLEL OUTPUT)

NOMENCLATURE:

J30H-XYZ-B-S-2

- OUTPUT OPTION (1,2 OR 3)
OUTPUT TYPE (S,X OR P)
SERIES

SCALE	DATE: 7/01/04
NONE	BY AT
CODE IDENT: 19477	APPR'D



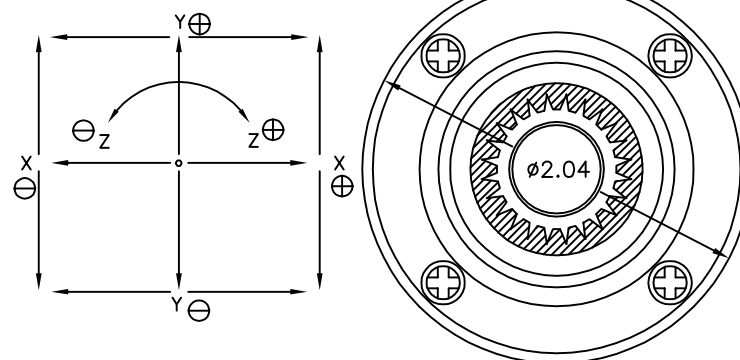
ETI
SYSTEMS
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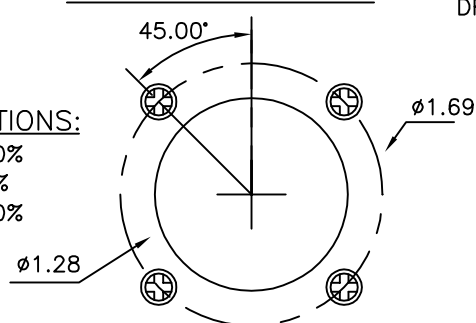
PART NO.
J30H-XYZ-B

REV.	BY	DATE	P/N
B	AT	8-27-07	ADDED OUTPUT TYPE AND OPTIONS
C	AT	3-19-19	RoHS COMPLIANCE AND SHAFT MATERIAL

LEVER OPERATION



PANEL ARRANGEMENT



CONNECTOR

8	GRAY	-----	GND	OUT B
	PURPLE	-----	Z-AXIS	OUT B
	BLUE	-----	Z-AXIS	OUT B
	GREEN	-----	Y-AXIS	OUT A
	YELLOW	-----	Y-AXIS	OUT A
	ORANGE	-----	X-AXIS	OUT B
	RED	-----	X-AXIS	OUT A
	BROWN	-----	VIN	(5V DC)
1				

MOLEX 51021-0800

