

ELECTRICAL SPECIFICATIONS

RESISTANCE RANGE ----- SEE CHART
RESISTANCE TOLERANCE ----- ±5%
LINEARITY(INDEPENDENT) ----- SEE TABLE
END RESISTANCE ----- 1 OHM OR 1%
ELECTRICAL NOISE (ENR) ----- 100 OHM MAX.
RESOLUTION ----- SEE CHART
INSULATION RESISTANCE ----- 100 MΩHMS MIN. AT 500 VDC
DIELECTRIC STRENGTH ----- 500 VAC
POWER RATING ----- SEE TABLE

MECHANICAL

STOP STRENGTH ----- 20 LBS.
WEIGHT ----- SEE TABLE

ENVIRONMENTAL

OPERATING TEMPERATURE ----- -30 TO +60°C
TEMPERATURE COEFFICIENT ----- SEE CHART
VIBRATION ----- 10HZ TO 2000HZ 10G
SHOCK ----- 30G 1MS
MOISTURE RESISTANCE ----- -40°C 95%RH 2000 HOURS

MATERIALS

HOUSING ----- ANODIZED ALUMINUM
SHAFT ----- STAINLESS STEEL
BUSHING ----- ANODIZED ALUMINUM
RESISTANCE ELEMENT ----- WIRE WOUND

OPTIONAL FEATURES

SHAFT MODIFICATIONS
SPECIAL STROKES
SPECIAL RESISTANCE
SPECIAL LINEARITIES

RESOLUTION CHART %

RESISTANCE DASH NO.	15	20	50	100	200	500	1K	2K	5K	10K	20K	40K
-30	.72	.59	.42	.46	.36	.27	.22	.17	.12	.10		
-50			.29	.24	.26	.19	.16	.12	.09	.07	.06	
-100			.19	.14	.12	.12	.10	.08	.06	.04	.04	.03

DASH NO.	MECHANICAL STROKE ±.060	ELECTRICAL STROKE ±.040	LINEARITY INDEPENDENT	A ±.040	B ±.040	APPROX. WEIGHT	POWER RATING
-30	1.260	1.181	± 1.0%	3.346	5.708	1.4 OZ.	0.5 W
-50	2.047	1.968	±0.7%	4.134	7.283	1.8 OZ.	0.75 W
-100	4.015	3.937	±0.5%	6.102	11.220	2.1 OZ.	1 W

NOTES:

SCALE:	NONE
DATE:	4-8-75
BY:	

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TOLERANCES

XX = .010 FRACTIONS = ?/64
XXX = ±.005 ANGLES = ±1/2°
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

APRVD
BT

CODE IDENT:
19477

TITLE
OIL FILLED
LINEAR MOTION
POTENTIOMETER

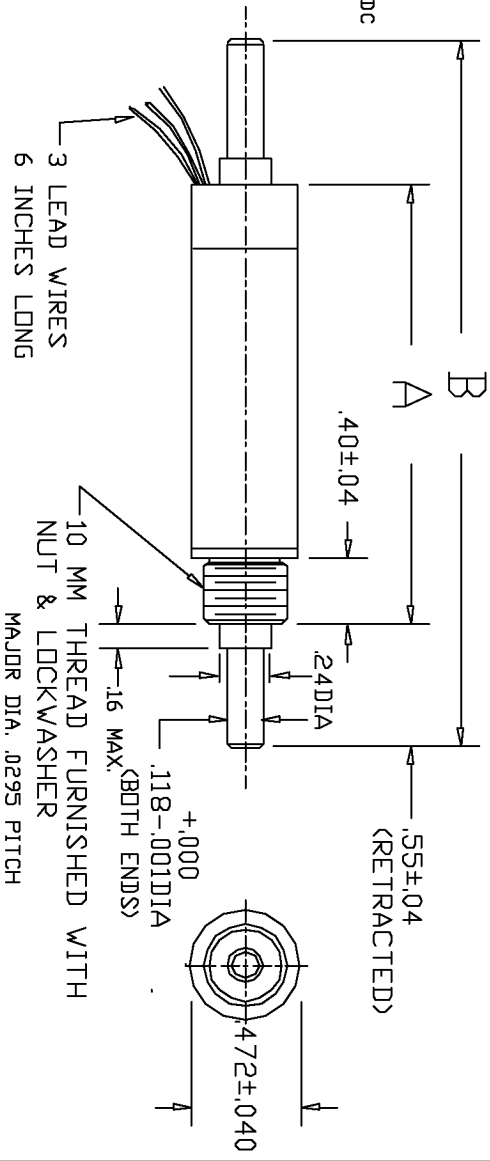
PART NO.

SYSTEMS
CARLSBAD
CALIFORNIA

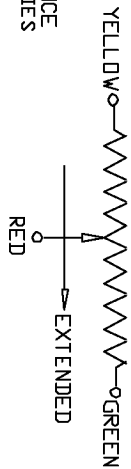
L010

REV.	BY	DATE	PART NO.
C	DM	8-28 96	L010

ADDED SHAFT STYLES

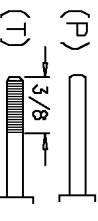


SCHEMATIC



MODEL NO.'S.

L010-(STROKE)-(RES.)



SHAFT STYLES

PLAIN
#4-40 THREAD

DIMENSION TABLE