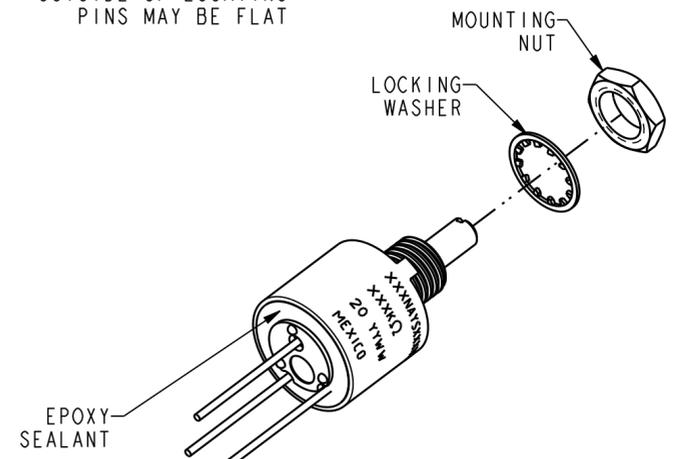
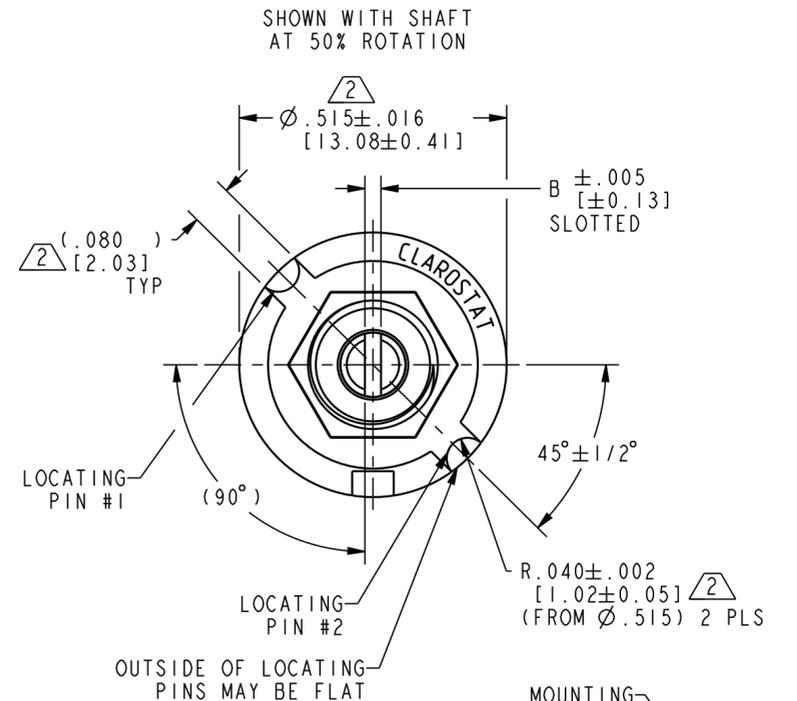
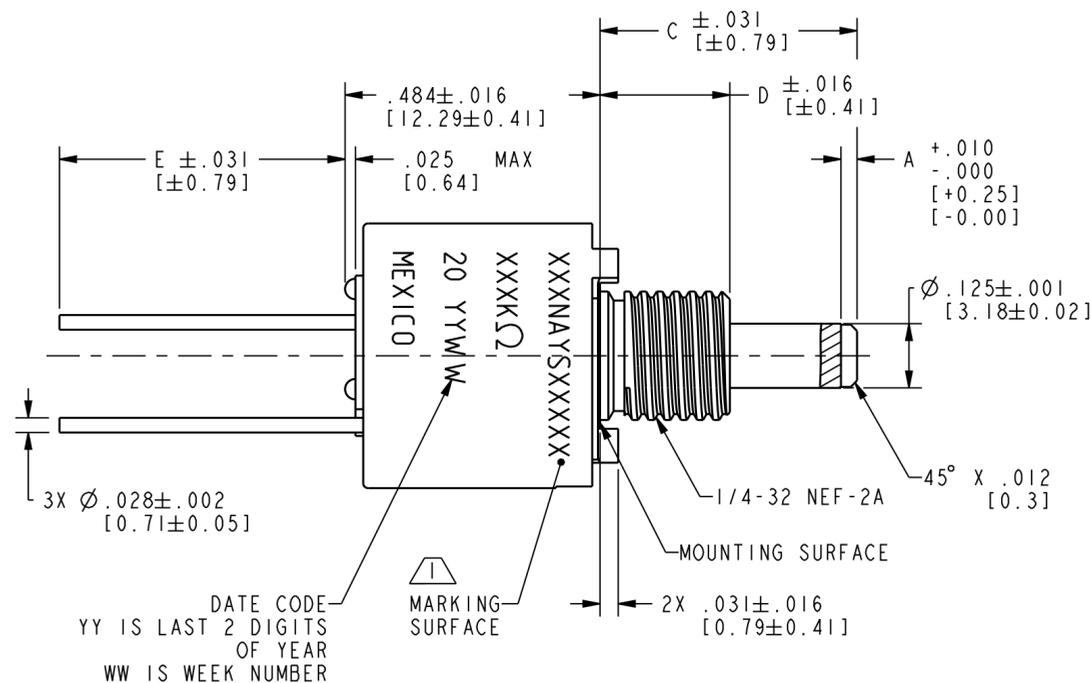
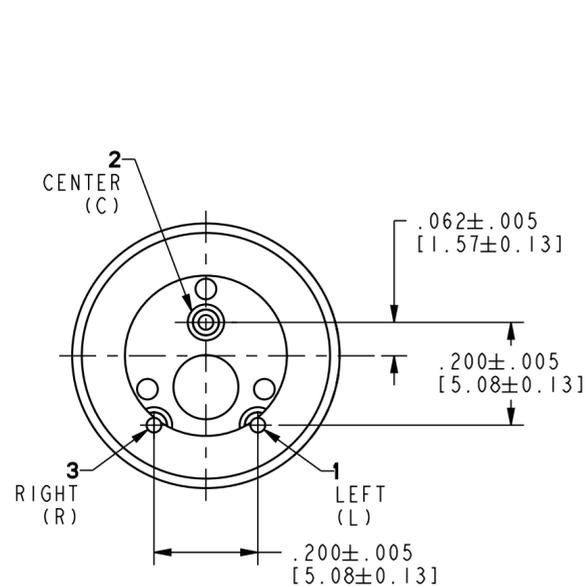


PART NUMBER
SEE SHEET-2 TABLE

REVISION HISTORY					
REV	DOCUMENT	DESCRIPTION	CHGD BY	DATE	APPROVED
A	0112190	RELEASED	B.M.	2014-08-05	M. MIKE



SCALE 2:1
(ISOMETRIC VIEW - REF ONLY)

GENERAL SPECIFICATIONS AND NOTES:

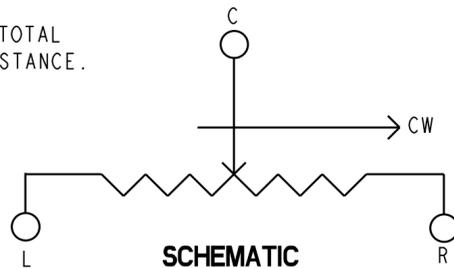
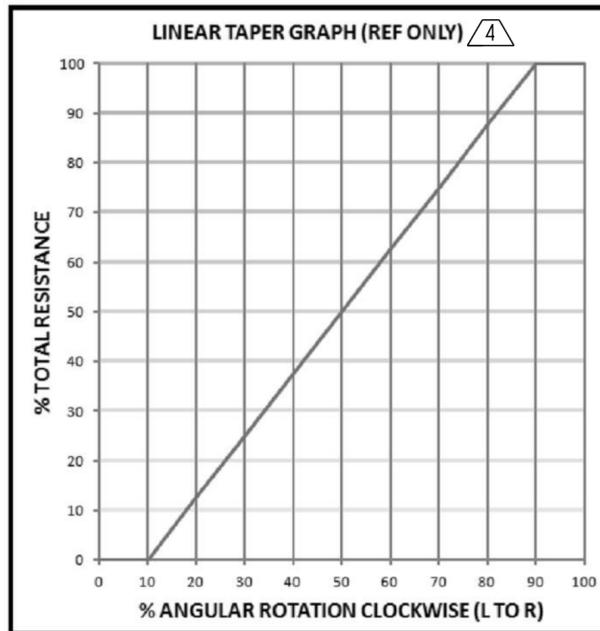
- SERIES: 392
- CONDUCTIVE PLASTIC ELEMENT
- SUPPLIED WITH MOUNTING NUT, LOCKING WASHER PACKAGED
- ASSEMBLED OR UNASSEMBLED BASED ON LISTING (REFER TO TABLE ON SHEET2).
- MARKING INFORMATION SHOWN ON SIDE OF HOUSING.
- REFER TO TABLE FOR SPECIFIC LISTING MARKING INFORMATION.
- WEIGHT OF SINGLE CONTROL: .25 OUNCE [6.8 GRAMS] APPROX.
- VALUES ARE SHOWN IN STANDARD AND METRIC UNITS. METRIC UNITS ARE IN [].
- IF CONVERSION DIFFERENCE EXISTS, THE STANDARD UNIT PREVAILS.
- CONTROLS HAVE AN INTERNAL O-RING SHAFT SEAL.
- UNITS ARE SEALED FOR WAVE SOLDER AND WASH PROCESSING.
- DIMENSIONS FOR BODY DIAMETER AND LOCATING PINS DEVIATE FROM MIL-R-94 SPECIFICATIONS.
- TERMINALS ON IDENTIFIED LISTING HAVE SAC305 SOLDER DIP FINISH.

ELECTRICAL SPECIFICATIONS:

- TAPER: LINEAR
- TAPER TOLERANCE ±20% OF NOMINAL RESISTANCE AT 50%±3% MECHANICAL ROTATION.
- LINEARITY (INDEPENDENT): ±5%
- MAX WORKING VOLTAGE: 350 VDC APPLIED ACROSS L & R TERMINALS. POWER NOT TO EXCEED RATING.
- DIELECTRIC STRENGTH: 750 VAC FOR 60s @ ATM [1 MPa]
- 350 VAC FOR 60s @ 3.4 IN Hg [11.5 KPa]
- POWER RATING: 0.5W FOR BUSHING MOUNTING OR 0.25W FOR PCB MOUNTING, BOTH @ 158°F [70°C], DE-RATED LINEARLY TO 0 @ 248°F [120°C]
- CRV FOR RESISTANCE GREATER THAN 500Ω AND LESS THAN 50KΩ IS 1.5% OF TOTAL RESISTANCE. CRV FOR ALL OTHER RESISTANCE VALUES IS 3.1% OF TOTAL RESISTANCE.
- END RESISTANCE: 4Ω MAX AT EACH END OF ROTATION
- RESISTANCE AND TOLERANCE: (REFER TO TABLE)
- ELECTRICAL ROTATION: 295°± 5°
- EFFECTIVE ELECTRICAL ROTATION: 265° TYPICAL

OPERATIONAL SPECIFICATIONS:

- ROTATIONAL LIFE: 50,000 CYCLES
- STORAGE TEMPERATURE: -67°F [-55°C] TO 248°F [120°C]
- OPERATING TEMPERATURE: -40°F [-40°C] TO 248°F [120°C]
- ROTATIONAL TORQUE: 0.5 TO 2.0 OZ-IN [3.5 TO 14 mN·m]
- STOP TORQUE: 3 LB-IN [340 mN·m]
- MECHANICAL ROTATION: 295°± 5°



MULTI-SHEET
DRAWING

MATERIALS	
SHAFT	NICKEL PLATED BRASS
BUSHING	NICKEL PLATED BRASS
HOUSING	THERMOPLASTIC
BASE	THERMOSET
TERMINALS	BRASS, SOLDER (TIN-LEAD) DIP FINISH
SEALANT	EPOXY
LOCK WASHER	NICKEL PLATED PHOS BRONZE
MOUNTING NUT	NICKEL PLATED BRASS

UNLESS OTHERWISE SPECIFIED		THIRD ANGLE PROJECTION		Honeywell				
DIMENSIONS ARE IN INCHES				TITLE				
DECIMAL TOL:				S-TAPER, SLOTTED SHAFT, STD BUSHING, PC TERMS				
NO PLACE --- ±.400 [10.16]				SIZE	CAGE CODE	DWG NO	TYPE	REV
1 PLACE --- ±.030 [0.761]				C	-	392-MATRIX-IDWG-18	I	A
2 PLACE --- ±.010 [0.254]				SCALE	4:1	REF WT: SEE NOTE	SHEET 1 of 2	
3 PLACE --- ±.005 [0.127]				RELEASE DATE	2014-08-05		HONEYWELL CONFIDENTIAL	
ANGULAR TOL --- ±2° CHAMFER - ±5°				DRW: B. MOHAPATRA	2014-05-28		THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE, NOR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM HONEYWELL	
MATERIAL				RDE: M. MIKE	2014-05-28			
SEE TABLE				QA: -				
FINISH				CHK: S. RAGHU	2014-08-05			
APPLICABLE DOCUMENTS: ASME Y14.100-2004 ASME Y14.5-2009								
COMPUTER GENERATED DRAWING: PRO/ENGINEER								

PART NUMBER
SEE SHEET-2 TABLE

LISTING	CHARACTERISTICS								MARKING 				
	ELECTRICAL		MECHANICAL						MTG HARDWARE	LINE-1	LINE-2	LINE-3	LINE-4
	RES (Ω)	RES TOL	A SLOT DEPTH IN [mm]	B SLOT WIDTH IN [mm]	C SHAFT LENGTH IN [mm]	D BUSHING LENGTH IN [mm]	E TERM LENGTH IN [mm]						
 392050234617002	10KΩ	±10%	.031 [0.79]	.031 [0.79]	.500 [12.70]	.250 [6.35]	.563 [14.30]	UNASSEMBLED	392NAYSBI03A	10KΩ	20 YYWW	MEXICO	
392552M7400	10KΩ	±10%	.031 [0.79]	.031 [0.79]	.500 [12.70]	.250 [6.35]	.563 [14.30]	UNASSEMBLED	RV8NAYSBI03A	10KΩ	20 YYWW	MEXICO	
392552M7401	100KΩ	±10%	.031 [0.79]	.031 [0.79]	.500 [12.70]	.250 [6.35]	.563 [14.30]	UNASSEMBLED	RV8NAYSBI04A	100KΩ	20 YYWW	MEXICO	
392552M0015	50KΩ	±10%	.031 [0.79]	.031 [0.79]	.375 [9.53]	.250 [6.35]	.563 [14.30]	UNASSEMBLED	RV8NAYSLS03A	50KΩ	20 YYWW	MEXICO	

Honeywell				
TITLE S-TAPER, SLOTTED SHAFT, STD BUSHING, PC TERMS				
SIZE C	CAGE CODE -	DWG NO 392-MATRIX-IDWG-18	TYPE I	REV A
SCALE NONE	REF WT: SEE NOTE	SHEET 2 of 2		