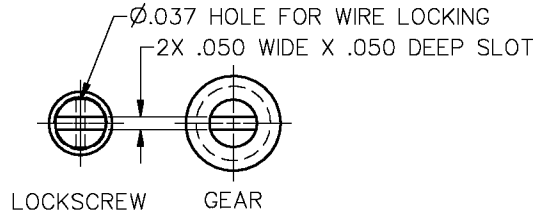
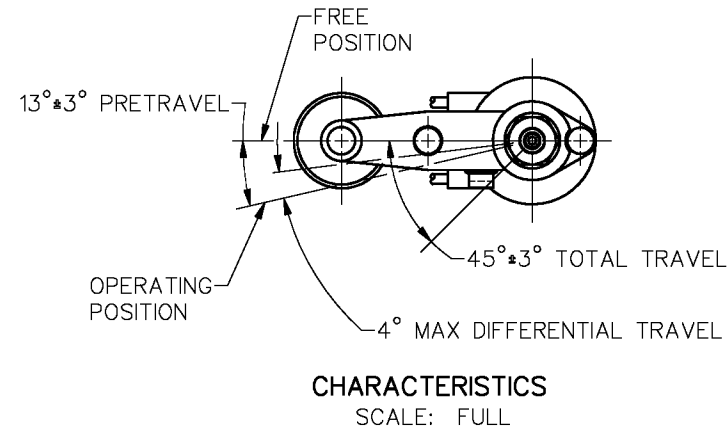


FO-55112-A

HONEYWELL
PART NUMBER

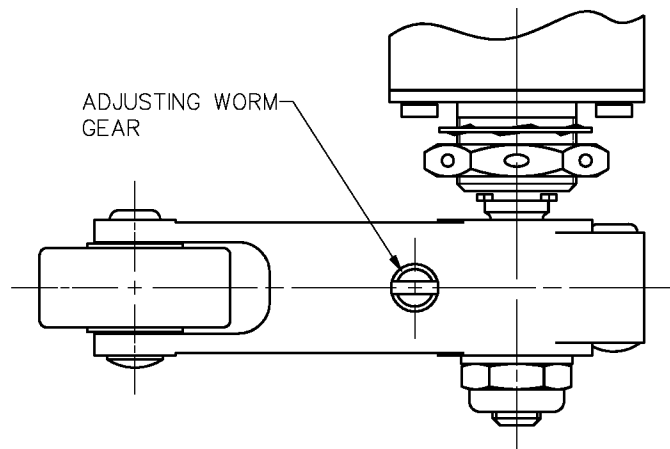
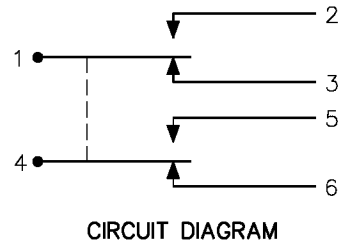
31EN102-6

12 FAA-PMA

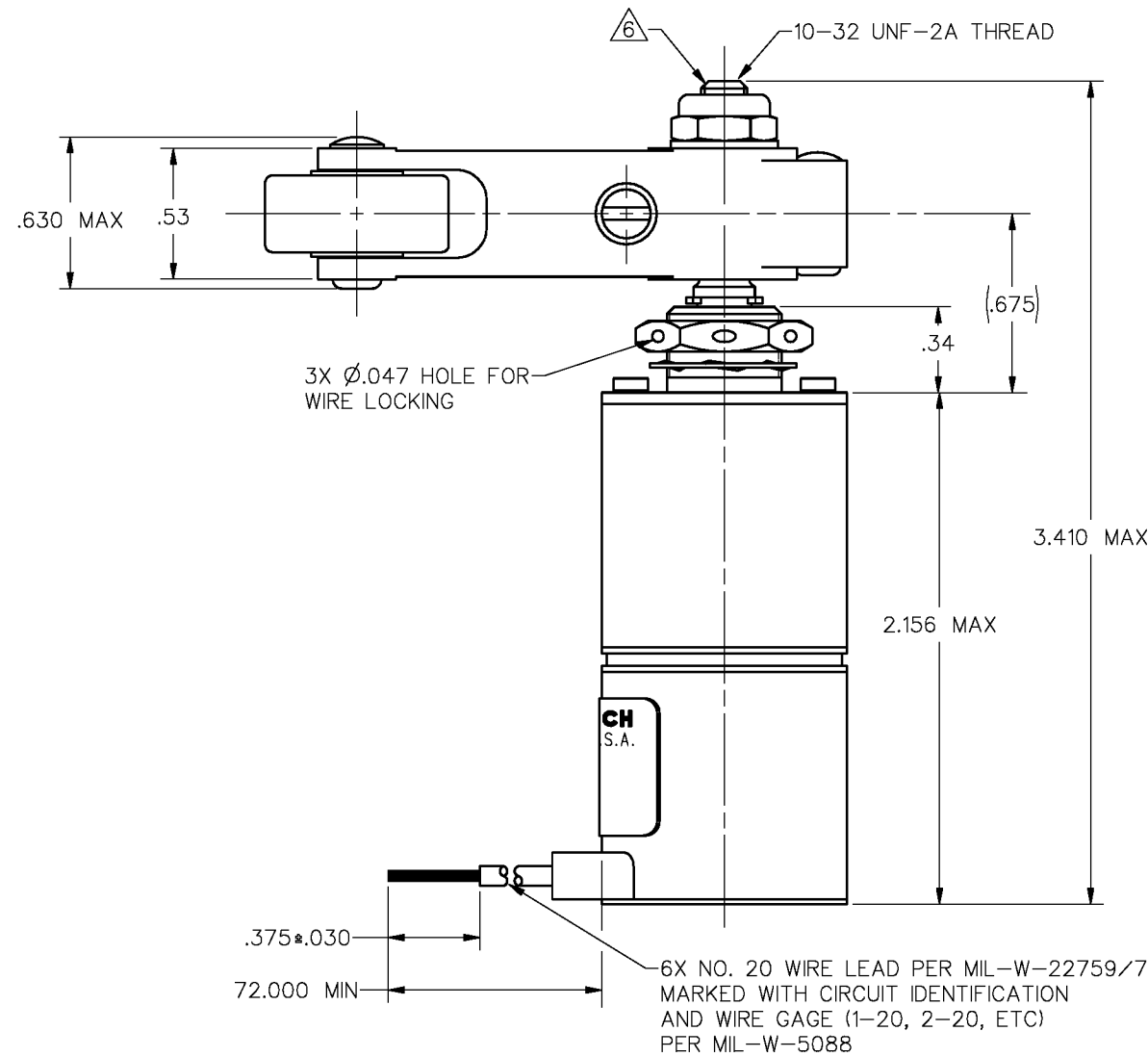
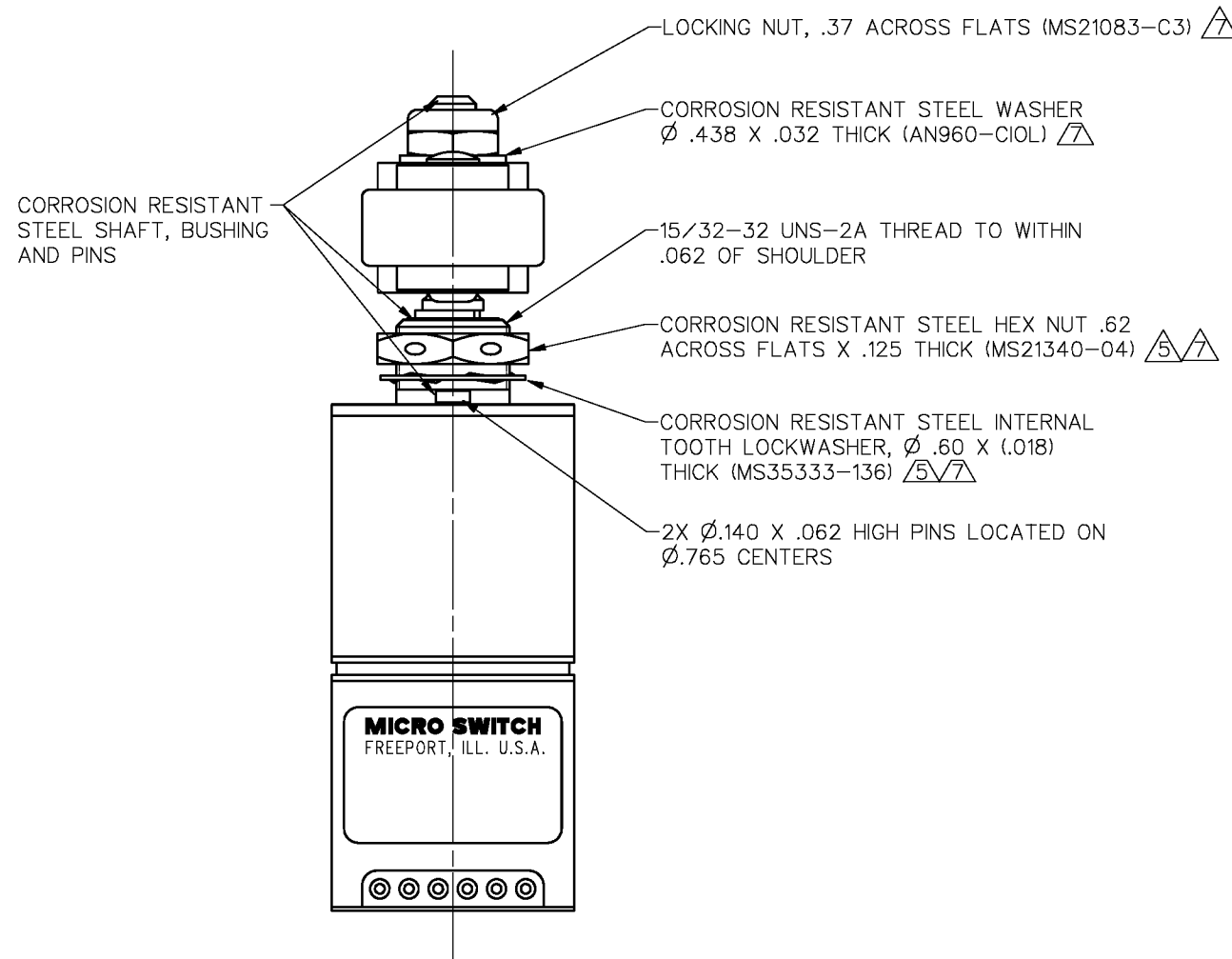
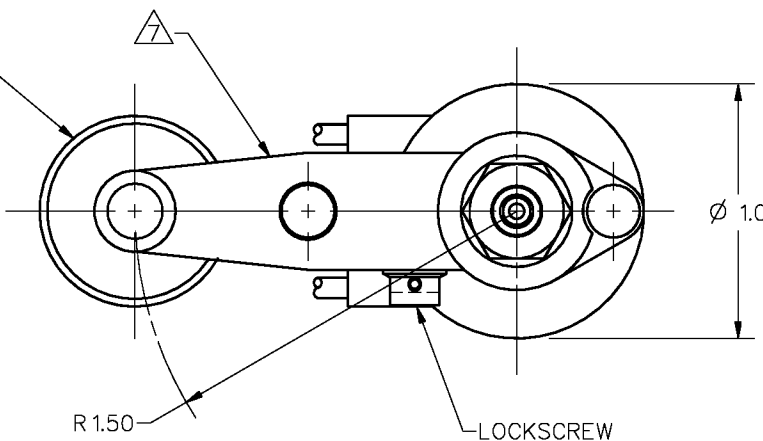


ROLLER LEVER MAY BE ADJUSTED FOR AN INFINITE NUMBER OF POSITIONS THRU 360°. ADJUSTMENT IS MADE BY LOOSENING THE LOCK NUT AND THEN THE SCREW AND TURNING GEAR UNTIL LEVER IS IN DESIRED POSITION. SCREW AND LOCK NUT ON SHAFT IS THEN TIGHTENED TO POSITIVELY LOCK LEVER IN POSITION.





LEVER ADJUSTMENT DETAIL



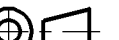
(Ø.750) X .31 WIDE
STAINLESS STEEL ROLLER



REV	DOCUMENT	CHANGED BY	CHECK
9	0011614	KSR 04MAR05	AK

SPECIFICATION DETAILS:				
STANDARD:		CONFORMS TO MS21320-2 (MIL-S-8805/48), EXCEPT AS NOTED		
CONSTRUCTION:				
ENCLOSURE DESIGN		RESILIENT SEAL PER MIL-S-8805, SYMBOL 4		
CONTACT MATERIAL & CONFIGURATION		GOLD BIFURCATED		
CIRCUIT CONFIGURATION		2 SPDT		
TERMINATION		LEADWIRES PER MIL-W-22759/7		
WEIGHT		9.5 OZ MAX		
EXPOSED METALS		CORROSION RESISTANT		
ELECTRICAL CHARACTERISTICS:				
ELECTRICAL RATINGS		VOLTAGE	RESISTIVE	LOAD INDUCTIVE
-SEA LEVEL		28 VDC	1A	.5A
-50,000 FEET		28 VDC	1A	.5A
DIELECTRIC STRENGTH & INSULATION RESISTANCE		DIELECTRIC STRENGTH ≈ 60 Hz. FOR 5 SECONDS)		INSULATION RESISTANCE (500 VDC ± 10%)
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL		1000 V Rms, 500µ A (MAX. LEAKAGE)		1000 Megohms MIN
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS		1000 V Rms, 500µ A (MAX. LEAKAGE)		1000 Megohms MIN
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE		1000 V Rms, 500µ A (MAX. LEAKAGE)		1000 Megohms MIN
SWITCH RESISTANCE		N/A		
RECOMMENDATION FOR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts		YES 		
MECHANICAL CHARACTERISTICS:				
CHARACTERISTICS:				
OPERATING TORQUE		12-25 IN-LBS		
RELEASE TORQUE		9 IN-LBS MIN		
FULL OVERTRAVEL TORQUE		40 IN-LBS MAX		
PRETRAVEL		 SEE DETAIL		
FREE POSITION				
OVERTRAVEL				
MOUNTING STRENGTH		15 IN-LBS		
ACTUATOR STRENGTH		10 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH ACTUATION		
LIFE:				
MECHANICAL LIFE		25,000 MIN. PER MIL-S-8805/48 		
ELECTRICAL LIFE AT FULL RATED LOAD		25,000 MIN. PER MIL-S-8805/48 		
ENVIRONMENTAL:				
TEMPERATURE RANGE		-55 C TO +85 C		
ALTITUDE RANGE		SEA LEVEL TO 50,000 FEET		
SHOCK		PER MIL-S-8805 SYMBOL M - 100 g		
VIBRATION		PER MIL-S-8805 SYMBOL 1 - 10-500 Hz. & 10 g peck		
MOISTURE RESISTANCE		PER MIL-S-8805 PARA 3.20		
THERMAL SHOCK		PER MIL-S-8805 PARA 3.16		
SALT SPRAY		PER MIL-S-8805 PARA 3.22		

- NOTES
- 1 - SWITCH SEALED PER MIL-S-8805 SYMBOL 4
 - 2 - CIRCUIT DIAGRAM, CATALOG LISTING, DATE CODE, FED. MFG. CODE AND FAA-PMA ARE SHOWN ON NAMEPLATE
 - 3 - CORROSION RESISTANT STEEL ENCLOSURE
 - 4 - TOTAL TRAVEL OF ROLLER LEVER IS 45°±3° IN COUNTERCLOCKWISE DIRECTION ONLY WITH SPRING RETURN TO NEUTRAL
 - 5 REPLACEMENT MOUNTING HARDWARE - PACKET 19PA10
 - 6 DO NOT APPLY MORE THAN 20-25 INCH POUNDS OF TORQUE WHEN TIGHTENING LOCKING NUT
 - 7 HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805
 - 8 - BASIC SWITCHES HAVE GOLD BIFURCATED CONTACTS
 - 9 - RETURN TORSION SPRING MATERIAL 17-7 PH SST
 - 10 CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
 - 11 LIFE RATINGS ARE PER MIL-S-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
 - 12 FOR MANUFACTURING DETAILS SEE ASSEMBLY DRAWING 31EN102-6 FOR FAA-PMA.

DESIGN UNITS: INCH TOLERANCES UNLESS NOTED: NO PLACE X ± ONE PLACE .X ± 0.030 TWO PLACE .XX ± 0.015 THREE PLACE .XXX ± 0.005 FOUR PLACE .XXXX ± ANGLES ± THIRD ANGLE PROJECTION 	DRAWN	MAM	20DEC95	Honeywell				
	CHECK	TSM	21DEC05					
	THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.			TITLE SWITCH - ENCLOSED				
	INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SIZE	TYPE	DRAWING NAME		REV
				C	I	31EN102-6		9
RASTER			SCALE	2:1	WEIGHT 9.5 OZ MAX	SHEET	1 OF 1	

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