
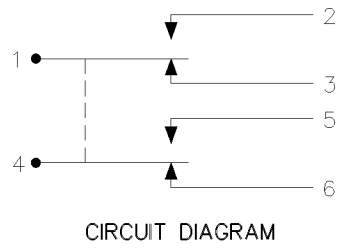
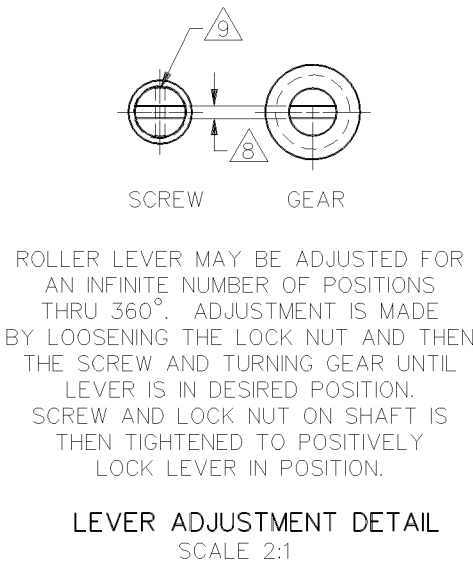
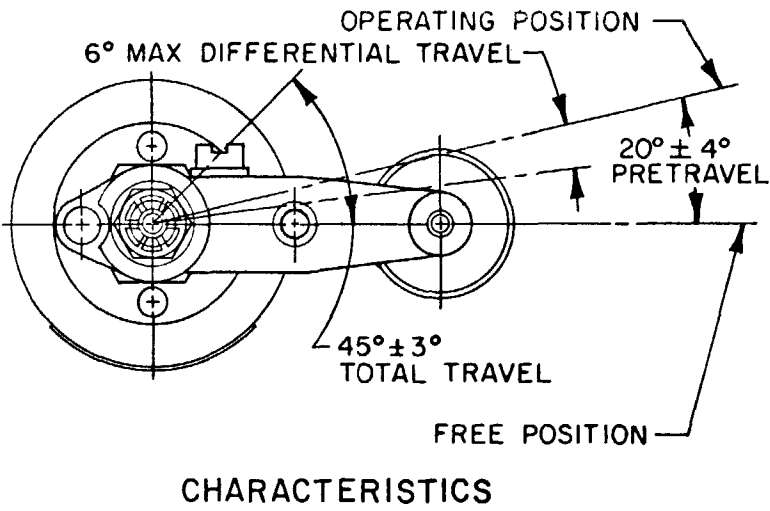
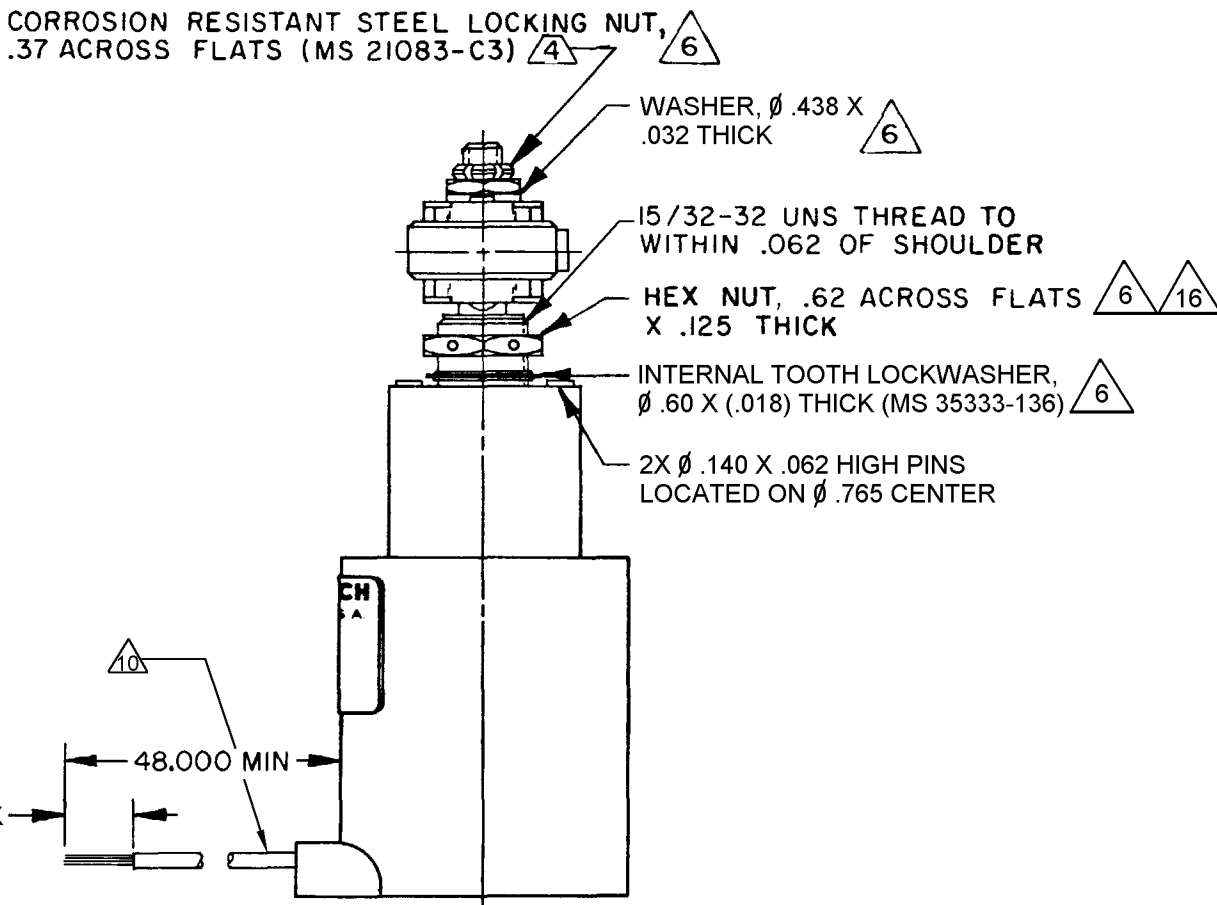
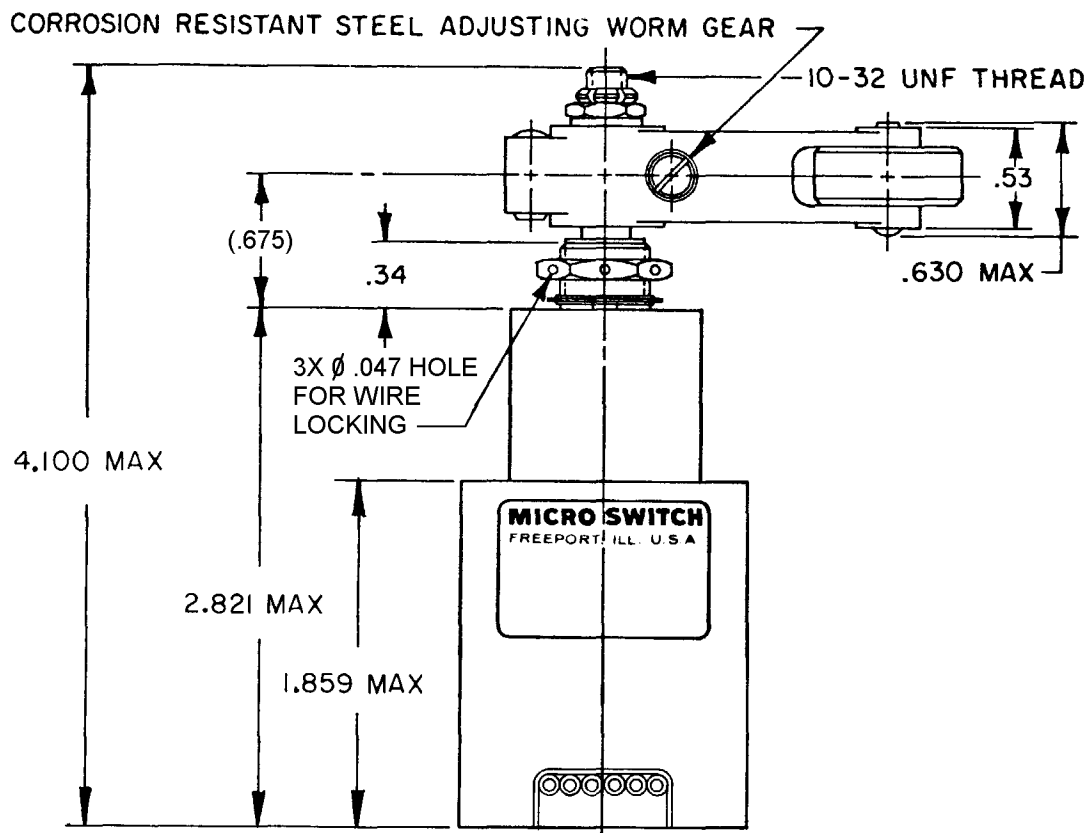
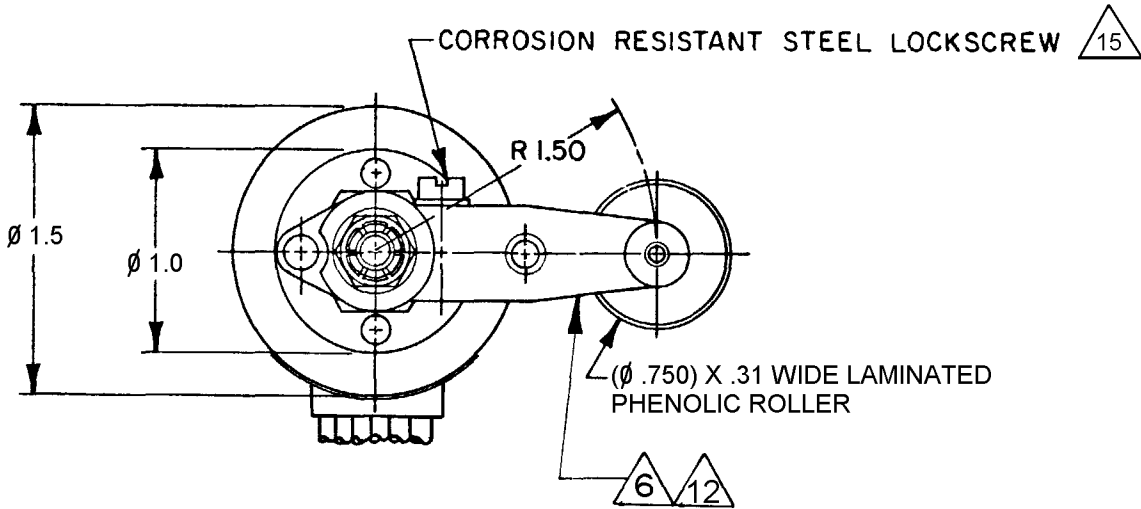


















HONEYWELL  
PART NUMBER  
**32EN18-4**  
FAA-PMA 



REV	DOCUMENT	CHANGED BY	CHECK
27	0008947	DVM 25OCT04	AK



SPECIFICATION DETAILS:				
STANDARD:		CONFORMS TO MIL-PRF-8805/48, EXCEPT AS NOTED		
CONSTRUCTION:				
ENCLOSURE DESIGN		RESILIENT SEAL PER MIL-PRF-8805 SYMBOL 4		
CONTACT MATERIAL & CONFIGURATION		SMOOTH SILVER CONTACTS		
CIRCUIT CONFIGURATION		2 SPDT		
TERMINATION		LEADWIRE PER BMS 13-48, TYPE 8, CLASS 1		
WEIGHT		12.4 OZ MAX		
EXPOSED METALS		CORROSION RESISTANT STAINLESS STEEL 		
ELECTRICAL CHARACTERISTICS:				
ELECTRICAL RATINGS		VOLTAGE	RESISTIVE	LOAD INDUCTIVE
-SEA LEVEL		28 VDC	10	6
-50,000 FEET		28 VDC	10	3
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		"		"
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE		"		"
SWITCH RESISTANCE		N/A		
RECOMMENDATION OR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts		NO 		
MECHANICAL CHARACTERISTICS:				
CHARACTERISTICS:		12-25 IN-LBS		
OPERATING TORQUE		40 IN-LBS MAX		
FULL OVERTRAVEL TORQUE		9 IN-LBS MIN (AS ADJUSTED)		
RELEASE TORQUE		4 IN-LBS MIN (AFTER 25,000 OPERATIONS)		
FREE POSITION		SEE DETAIL		
PRETRAVEL				
DIFFERENTIAL TRAVEL				
OVERTRAVEL				
MOUNTING STRENGTH		15 IN-LBS RECOMMENDED PER MIL-PRF-8805		
		30 IN - LBS MAX WILL NOT CAUSE SWITCH DAMAGE		
ACTUATOR STRENGTH		10 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION		
LIFE:				
MECHANICAL LIFE		25,000 MIN. PER MIL-PRF-8805/48 		
ELECTRICAL LIFE AT FULL RATED LOAD		25,000 MIN. PER MIL-PRF-8805/48 		
ENVIRONMENTAL:				
TEMPERATURE RANGE		-55 C TO +85 C		
ALTITUDE RANGE		SEA LEVEL TO 50,000 FEET		
SHOCK		PER MIL-PRF-8805 SYMBOL M - 100 g		
VIBRATION		PER MIL-PRF-8805 SYMBOL 1 - 10-500 Hz. & 10 g peak		
MOISTURE RESISTANCE		PER MIL-PRF-8805		
THERMAL SHOCK		PER MIL-PRF-8805		
SALT SPRAY		PER MIL-PRF-8805		

- NOTES
-  UNLESS OTHERWISE NOTED
- 2 OPERATING POINT OF BOTH POLES SHALL BE WITHIN 1/2° OF SHAFT ROTATION AND RELEASE POINT OF BOTH POLES SHALL BE WITHIN 1/2° OF SHAFT ROTATION CONTROLLING ELECTRICAL LOADS OF 2 AMPS OR LESS
-  CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
-  INSTALLATION TORQUE 20-25 IN.-LBS.
- 5 CIRCUIT DIAGRAM, CATALOG LISTING, DATE CODE, FED. MFG. CODE AND FAA-PMA ARE SHOWN ON NAMEPLATE
-  HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
- 7 REPLACEMENT MOUNTING HARDWARE - PACKET 19PA10
-  .050 WIDE X .050 DEEP SLOT
-  Ø.037 HOLE FOR WIRE LOCKING
-  (6) NO. 18 WIRE LEAD IN ACCORDANCE WITH BMS 13-48, TYPE 8, CLASS 1; MARKED WITH SWITCH CIRCUIT IDENTIFICATION AND WIRE GAGE (1-18, 2-18 ETC) PER MIL-W-5088
-  LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
-  DIE CAST ALUMINUM
- 13 O-RING MATERIAL: SILICONE
- 14 TOTAL TRAVEL OF ROLLER LEVER IS 45° ± 3° IN COUNTER-CLOCKWISE DIRECTION ONLY, WITH SPRING RETURN TO NEUTRAL
-  AFTER LEVER ADJUSTMENT, FINAL LOCKING TORQUE 12-16 IN-LBS
-  JAM NUT INSTALLATION TORQUE: 15-30 IN-LBS
-  FOR MAUFACTURING DETAIL SEE ASSEMBLY DRAWING 32EN18-4 FOR FAA-PMA

DESIGN UNITS: INCH	DRAWN	JAK	04OCT96	<b>Honeywell</b>	
TOLERANCES UNLESS NOTED:	CHECK	TSM	16OCT96		
NO PLACE X ± 0.040	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	
ONE PLACE .X ± 0.030					
TWO PLACE .XX ± 0.015				DRAWING NAME	
THREE PLACE .XXX ± 0.005					
FOUR PLACE .XXXX ± 0.0005					
ANGLES ± 2	INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SIZE	REV
THIRD ANGLE PROJECTION			C	I	27
RASTER			SCALE	NONE	SHEET 1 OF 1