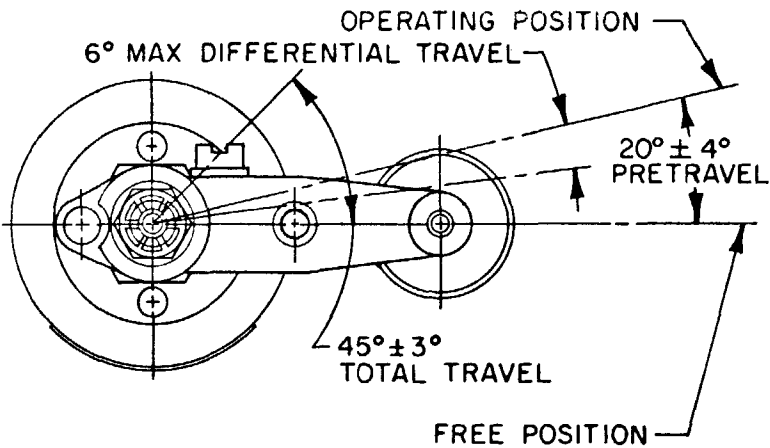


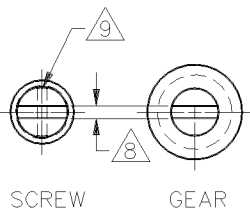
HONEYWELL  
PART NUMBER

32EN18-4

FAA-PMA 

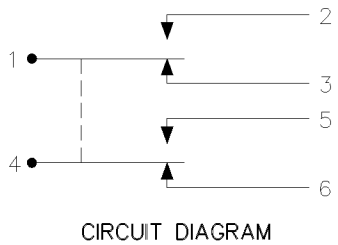


CHARACTERISTICS

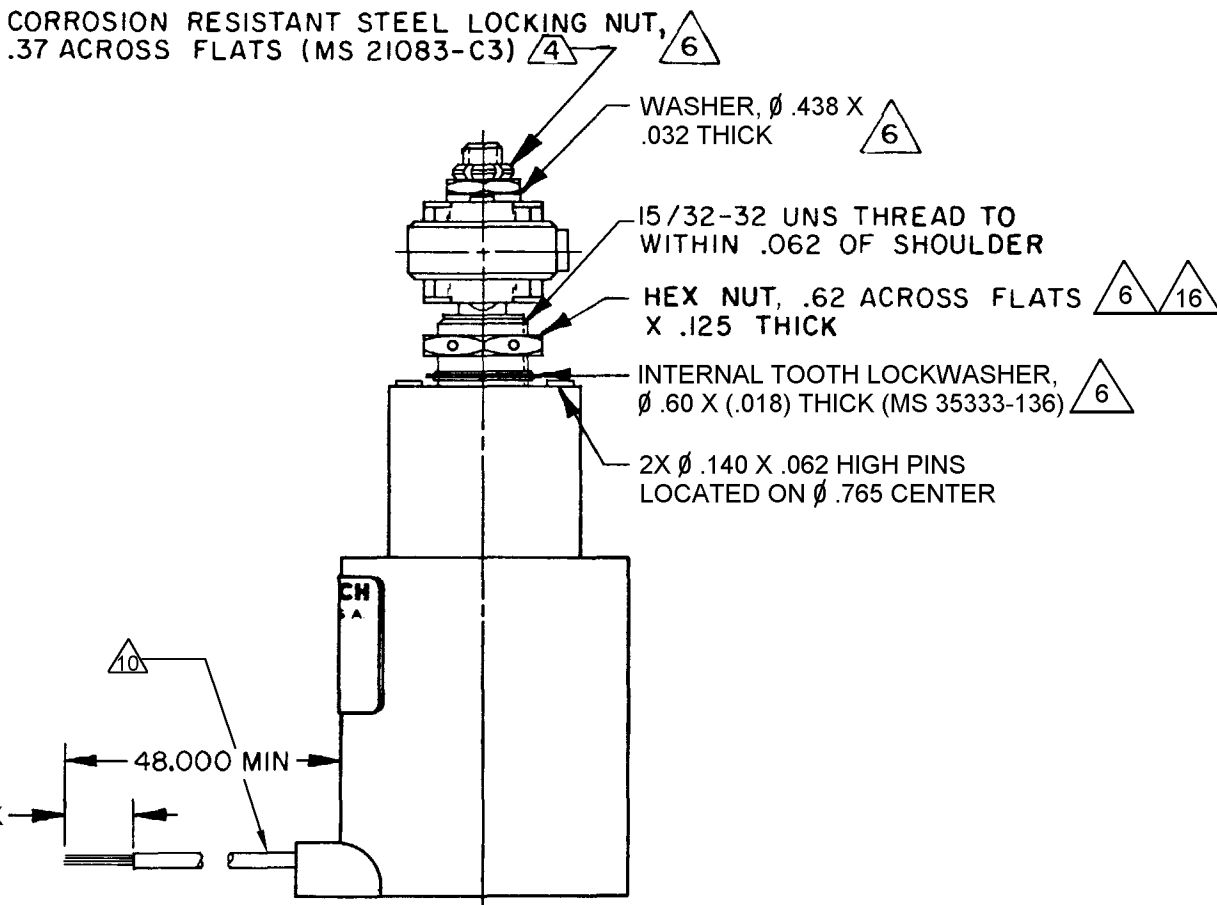
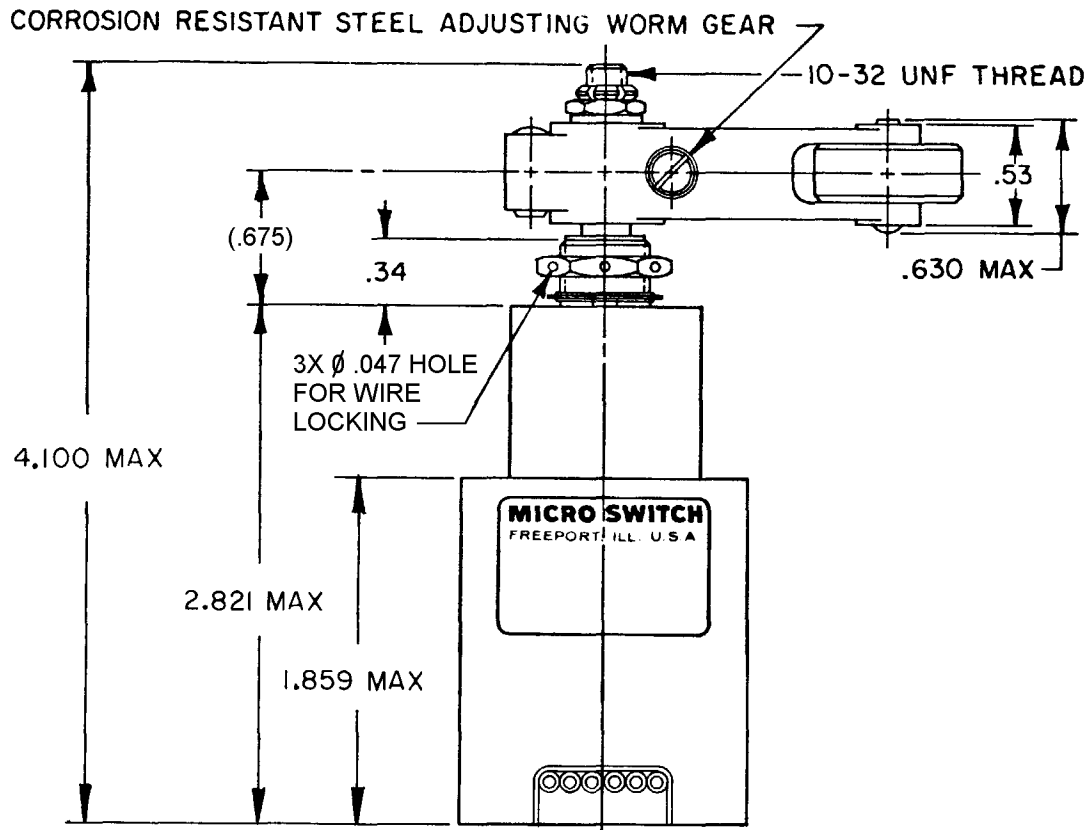
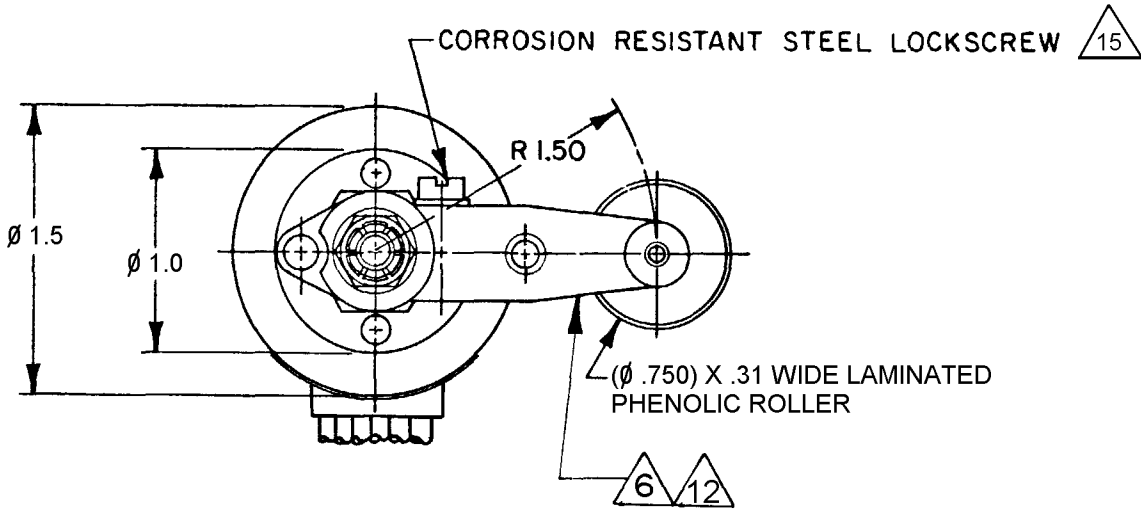






ROLLER LEVER MAY BE ADJUSTED FOR AN INFINITE NUMBER OF POSITIONS THRU 360°. ADJUSTMENT IS MADE BY LOOSENING THE LOCK NUT AND THEN THE SCREW AND TURNING GEAR UNTIL LEVER IS IN DESIRED POSITION. SCREW AND LOCK NUT ON SHAFT IS THEN TIGHTENED TO POSITIVELY LOCK LEVER IN POSITION.


















LEVER ADJUSTMENT DETAIL  
SCALE 2:1



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		
ACTUATOR STRENGTH		30 IN - LBS MAX WILL NOT CAUSE SWITCH DAMAGE		
LIFE:		10 LBS APPLIES IN A DIRECTION TO CAUSE SWITCH ACTUATION		
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
-  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.
-  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
-  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
-  O-RING MATERIAL: SILICONE
-  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			
TOLERANCES UNLESS NOTED:			
NO PLACE	X	±	0.040
ONE PLACE	.X	±	0.030
TWO PLACE	.XX	±	0.015
THREE PLACE	.XXX	±	0.005
FOUR PLACE	.XXXX	±	0.0005
ANGLES		±	2

THIRD ANGLE PROJECTION



DRAWN	JAK	04OCT96
CHECK	TSM	16OCT96
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.		
INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY		

RASTER

Honeywell			
TITLE SWITCH - ENCLOSED			
SIZE	TYPE	DRAWING NAME	REV
C	I	32EN18-4	27
SCALE	NONE	SHEET	1 OF 1

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