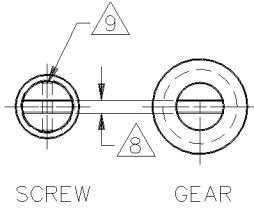
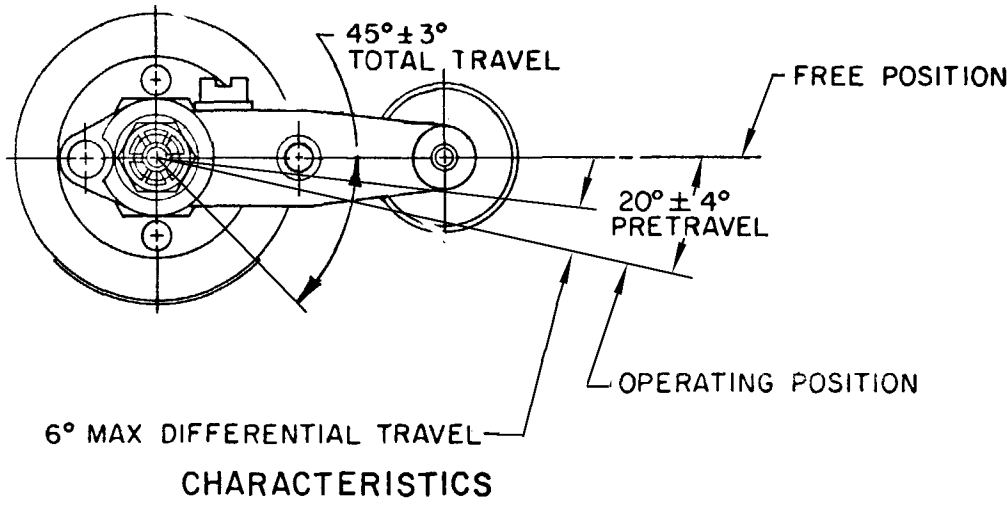


HONEYWELL
PART NUMBER

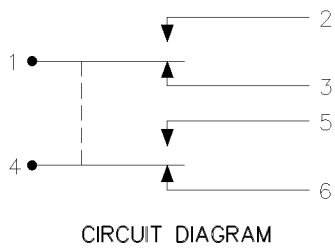
32EN61-4

FAA-PMA 

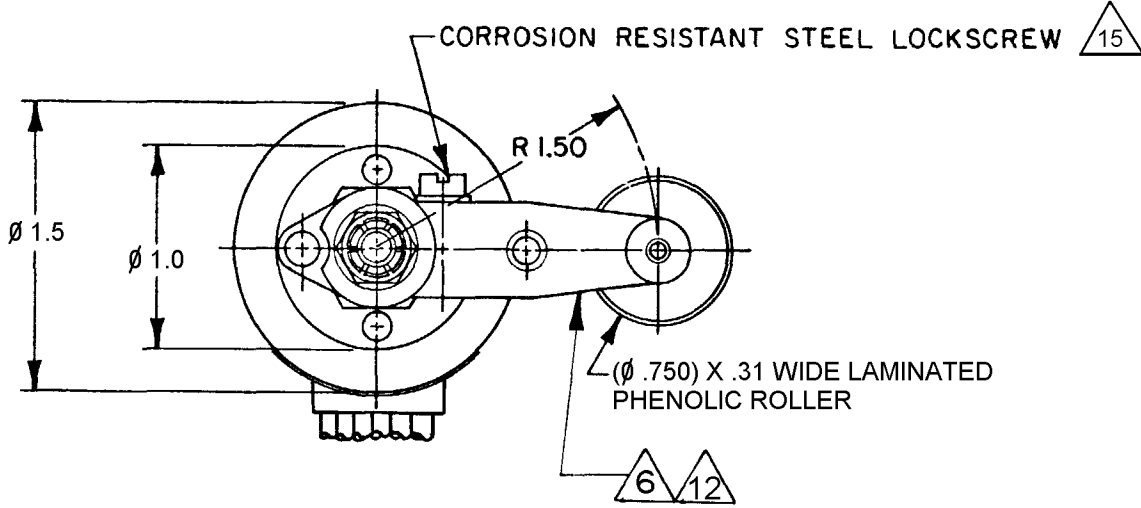


ROLLER LEVER MAY BE ADJUSTED FOR AN INFINITE NUMBER OF POSITIONS THRU 360°. ADJUSTMENT IS MADE BY LOOSENING THE LOCK NUT AND THEN THE SCREW AND TURNING GEAR UNTIL LEVER IS IN DESIRED POSITION. SCREW AND LOCK NUT ON SHAFT IS THEN TIGHTENED TO POSITIVELY LOCK LEVER IN POSITION.

LEVER ADJUSTMENT DETAIL
SCALE 2:1



REV	DOCUMENT	CHANGED BY	CHECK
23	0016179	DVM 24OCT05	RJ



CORROSION RESISTANT STEEL LOCKING NUT, .37 ACROSS FLATS (MS 21083-C3) (4)

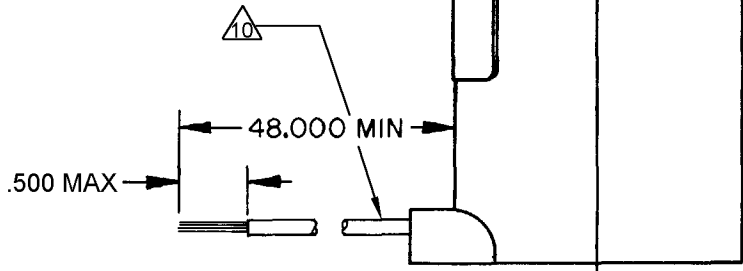
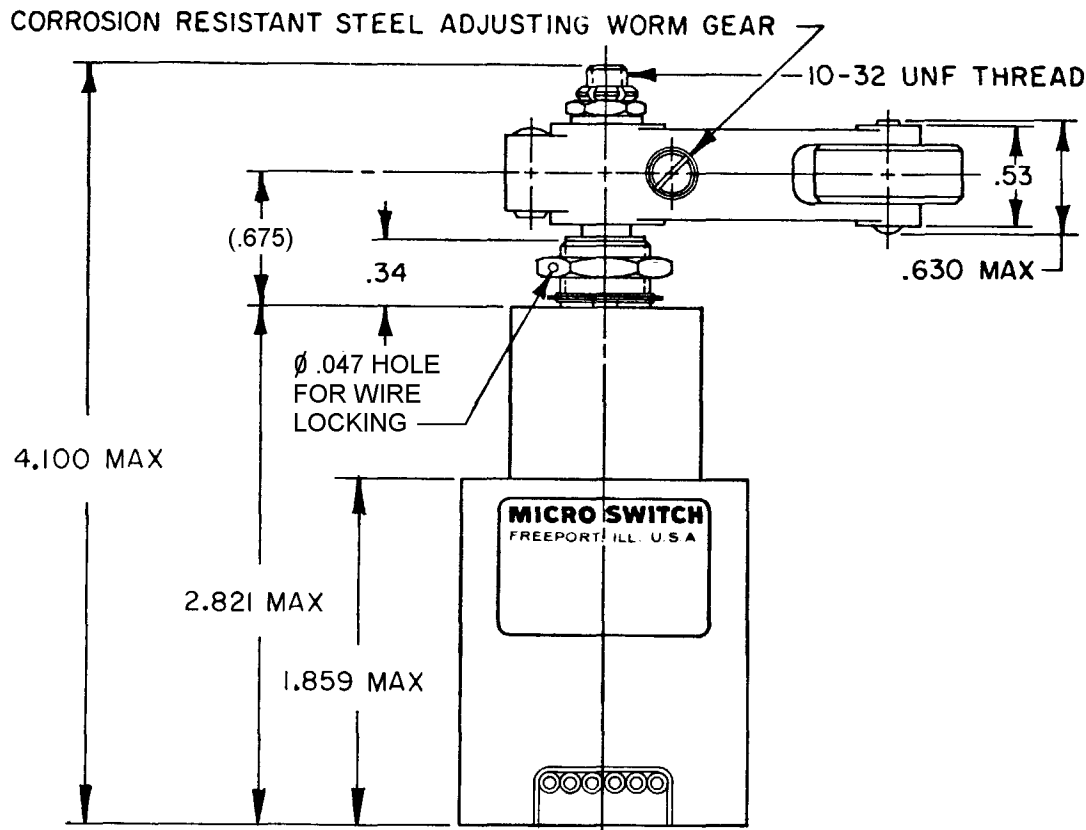
WASHER, Ø .438 X .032 THICK (6)

15/32-32 UNS THREAD TO WITHIN .062 OF SHOULDER

HEX NUT, .62 ACROSS FLATS X .125 THICK (6, 16)

INTERNAL TOOTH LOCKWASHER, Ø .60 X (.018) THICK (MS 35333-136) (6)

2X Ø .140 X .062 HIGH PINS LOCATED ON Ø .765 CENTER



- NOTES
- (1) 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
 - (3) CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
 - (4) INSTALLATION TORQUE 20-25 IN.-LBS.
 - 5 CIRCUIT DIAGRAM, CATALOG LISTING, DATE CODE, FED. MFG. CODE AND FAA-PMA ARE SHOWN ON NAMEPLATE
 - (6) HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
 - 7 REPLACEMENT MOUNTING HARDWARE - PACKET 19PA10
 - (8) .050 WIDE X .050 DEEP SLOT
 - (9) Ø.037 HOLE FOR WIRE LOCKING
 - (6) NO. 18 WIRE LEAD IN ACCORDANCE WITH MIL-WV-22759/7 MARKED WITH SWITCH CIRCUIT IDENTIFICATION AND WIRE GAGE (1-18, 2-18 ETC) PER MIL-W-5088
 - (15) LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
 - (12) DIE CAST ALUMINUM
 - 13 O-RING MATERIAL: SILICONE
 - 14 TOTAL TRAVEL OF ROLLER LEVER IS 45° ± 3° IN CLOCKWISE DIRECTION ONLY, WITH SPRING RETURN TO NEUTRAL
 - (15) AFTER LEVER ADJUSTMENT, FINAL LOCKING TORQUE 12-16 IN-LBS
 - (16) JAM NUT INSTALLATION TORQUE: 15-30 IN-LBS
 - (17) FOR MANUFACTURING DETAIL SEE ASSEMBLY DRAWING 32EN61-4 FOR FAA-PMA

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 MIL-W-22759/7		
WEIGHT		12.3 OZ MAX		
EXPOSED METALS		CORROSION RESISTANT STAINLESS STEEL <u>1</u>		
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 <u>3</u>		
MECHANICAL CHARACTERISTICS:				
CHARACTERISTICS:				
OPERATING TORQUE		12-25 IN-LBS		
FULL OVERTRAVEL TORQUE		40 IN-LBS MAX		
RELEASE TORQUE		9 IN-LBS MIN (AS ADJUSTED)		
FREE POSITION		4 IN-LBS MIN (AFTER 25,000 OPERATIONS)		
PRETRAVEL		SEE DETAIL		
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		<u>11</u>
ELECTRICAL LIFE AT FULL RATED LOAD		25,000 MIN. PER MIL-PRF-8805/48		<u>11</u>
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		

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	TSM	20SEP01
CHECK	SAV	20SEP01
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		

Honeywell			
TITLE SWITCH - ENCLOSED			
SIZE C	TYPE I	DRAWING NAME 32EN61-4	REV 23
SCALE NONE	SHEET 1 OF 1		