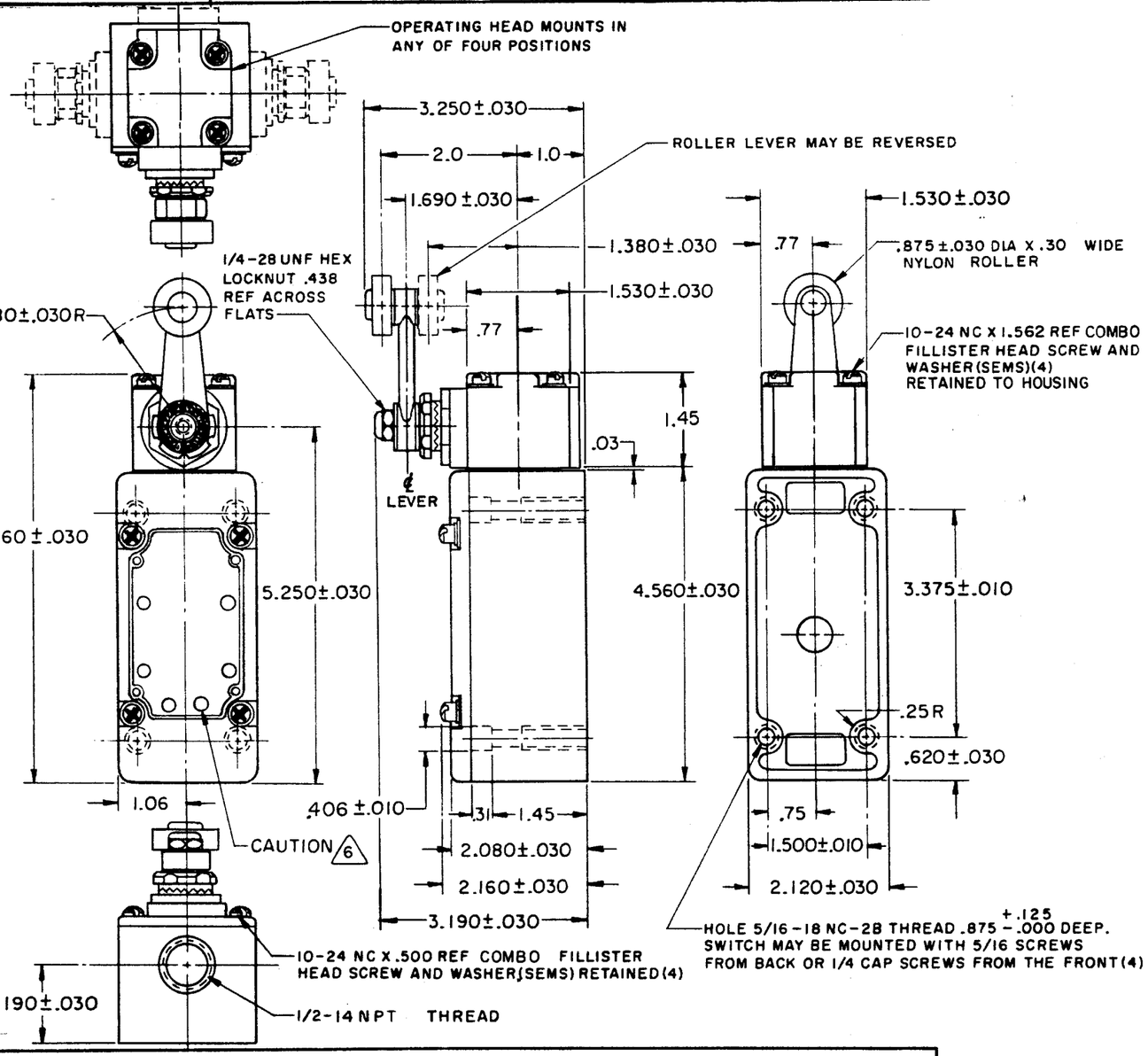
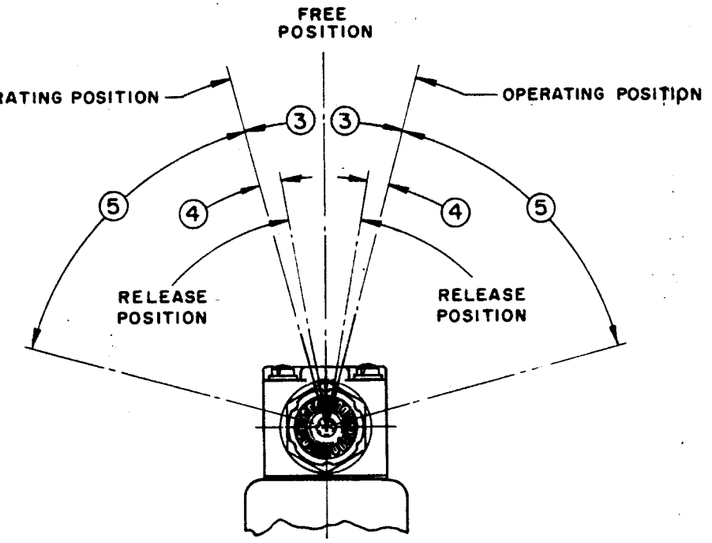
MICRO SWITCH
A DIVISION OF MINNEAPOLIS-HONEYWELL REGULATOR COMPANY
FREEPORT, ILLINOIS
FED. MFR. CODE 91929

SWITCH-ENCLOSED

CATALOG LISTING
51ML7-E1





NOTES
1 - FOR USE IN CLASS I, GROUPS C AND D VAPOR-AIR ATMOSPHERE, AND CLASS 2 GROUPS E,F AND G DUST-AIR ATMOSPHERE
2 SWITCH IS ASSEMBLED FOR ACTUATION IN EITHER DIRECTION
3 TO CONVERT SWITCH FOR ACTUATION EITHER CLOCK-WISE OR COUNTER-CLOCKWISE DIRECTION ONLY, REMOVE THE HEAD AND SLIDE THE CAM TOWARD THE REAR OF THE HEAD SUFFICIENTLY TO DISENGAGE FROM THE FLATS ON THE SHAFT. ROTATE THE CAM 90° IN THE OPPOSITE DIRECTION OF THE ACTUATION DESIRED AND RE-ENGAGE THE CAM WITH THE FLATS ON THE SHAFT
4 - LEVER MAY BE POSITIVELY LOCKED AT INTERVALS OF APPROX 0.4° (870 POSITIONS)
5 - LEVER MAY BE ADJUSTED TO ACTUATE THE SWITCH IN THE CLOCKWISE DIRECTION ONLY, THE COUNTER-CLOCK-WISE DIRECTION ONLY OR IN BOTH DIRECTIONS 2 3
6 IN ORDER TO MAINTAIN THE EXPLOSION PROOF PROPERTIES OF THIS UNIT DO NOT OBSTRUCT THE HOLES IN THE COVER PLATE
7 BASIC SWITCHING ELEMENT LISTED BY UNDERWRITERS' LABORATORIES, INC.
8 - IT IS ESSENTIAL THAT THE CONDUIT OPENING BE PROPERLY SEALED IN ORDER TO MAINTAIN THE EXPLOSION PROOF PROPERTIES

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CHARACTERISTICS	ELECTRICAL DATA	SCALE 1/2 TO 1
OPERATING FORCE — — — 3 LB MAX	CONTACT ARRANGEMENT: D P D T	DO NOT SCALE PRINT
FULL OVERTRAVEL FORCE — — 4 LB MAX	10 A-125 OR 250 VAC; 0.3 A-125 VDC; 0.15 A-250 VDC	UNLESS OTHERWISE SPECIFIED
RELEASE FORCE — — — — — 1/4 LB MIN	7	DIMENSIONS ARE IN INCHES
PRETRAVEL — — (3) — — — — — 20° MAX	CSA	TOLERANCES ARE:
DIFFERENTIAL TRAVEL — (4) — — 15° MAX		ONE PLACE (.0) ±.030
OVERTRAVEL — — — (5) — — — 50° MIN		TWO PLACE (.00) ±.015
SWITCH-BASIC REPLACEMENT-DT-2R711-A7		THREE PLACE (.000) ±.005
		ANGLES ±
		WEIGHT

M

ISSUE	DRAWING NUMBER	RELEASE NO.	REPLACES
12 13	M 51ML7-E1	SR 9897	

REVISIONS

A	SR 9897	R E R 31 OCT 61	
B	CO 6841	H B W 2 NOV 64	
C	CO 20578	M B F 1 DEC 65	
D	CO 28121	S R H 9 NOV 70	
E	CO 52194-D	T R F 23 SEPT 83	
F	CO 58367	JAS 11 NOV 85	
G	CO 55051-C	T A D 6 JAN 86	
H	CO 58909	T S K 29 JAN 86	
J	CO 63739	D J S 15 JUN 88	
K	CO 74287	G J W 16 APR 93	

DRAWN R E R 31 OCT 61 — CHECK

FO-80376-003