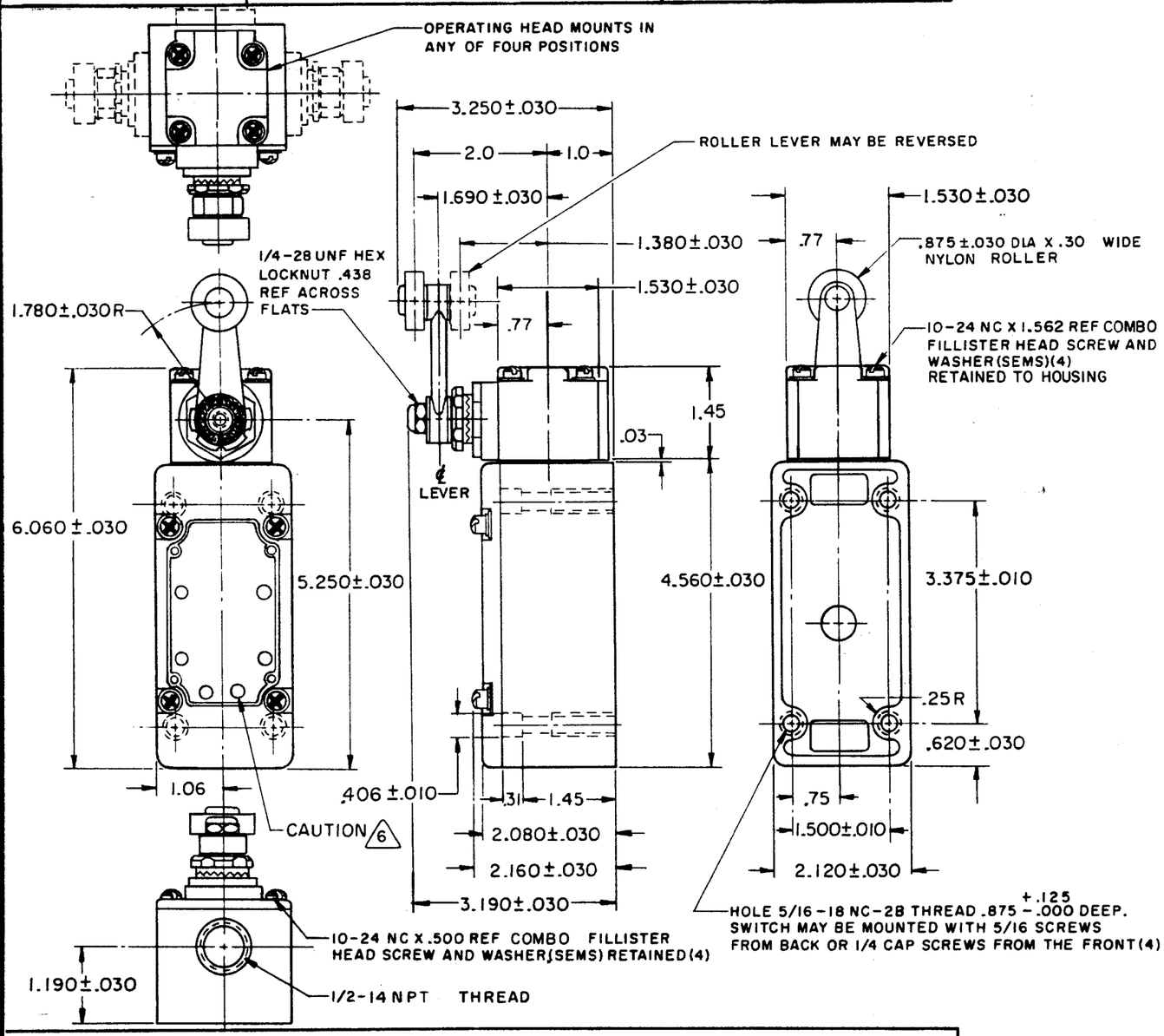
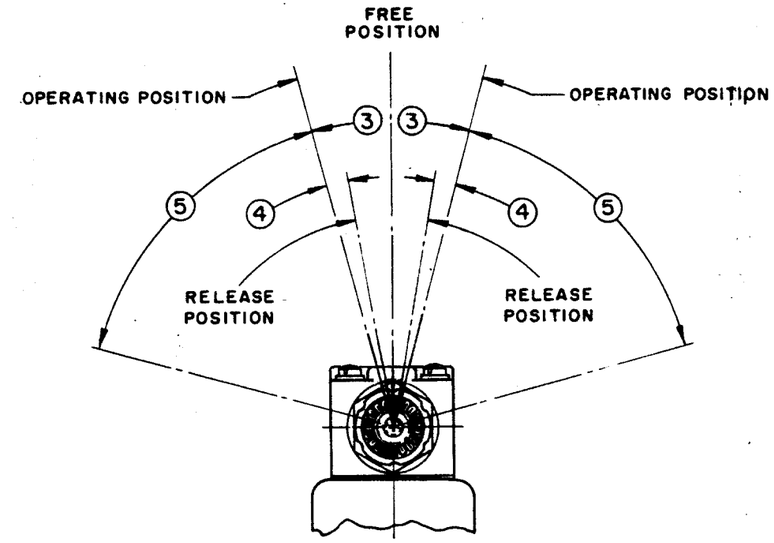
MICRO SWITCH
A DIVISION OF MINNEAPOLIS-HONEYWELL REGULATOR COMPANY
FREEPORT, ILLINOIS
FED. MFR. CODE 91929

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 CLOCKWISE 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-CLOCKWISE 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

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF MINNEAPOLIS-HONEYWELL REGULATOR CO. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.

CHARACTERISTICS

OPERATING FORCE — — — — 3 LB MAX
FULL OVERTRAVEL FORCE — — 4 LB MAX
RELEASE FORCE — — — — — 1/4 LB MIN
PRETRAVEL — — 3 — — — — — 20° MAX
DIFFERENTIAL TRAVEL — 4 — — 15° MAX
OVERTRAVEL — — — 5 — — — 50° MIN

SWITCH-BASIC REPLACEMENT-DT-2R711-A7

ELECTRICAL DATA

CONTACT ARRANGEMENT
D P D T

10 A-125 OR 250 VAC
0.3 A-125 VDC ; 0.15 A-250 VDC

7

SCALE 1/2 TO 1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

ONE PLACE	(.0)	±.030
TWO PLACE	(.00)	±.015
THREE PLACE	(.000)	±.005
ANGLES		±

WEIGHT

DRAWN	R E R	31 OCT 61	
CHECK			
CHECK			
CHECK			
CHECK			

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

REVISIONS

A	SR 9897	R E R 31 OCT 61
B	CO 68841	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	J A S 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

FO-50378-003