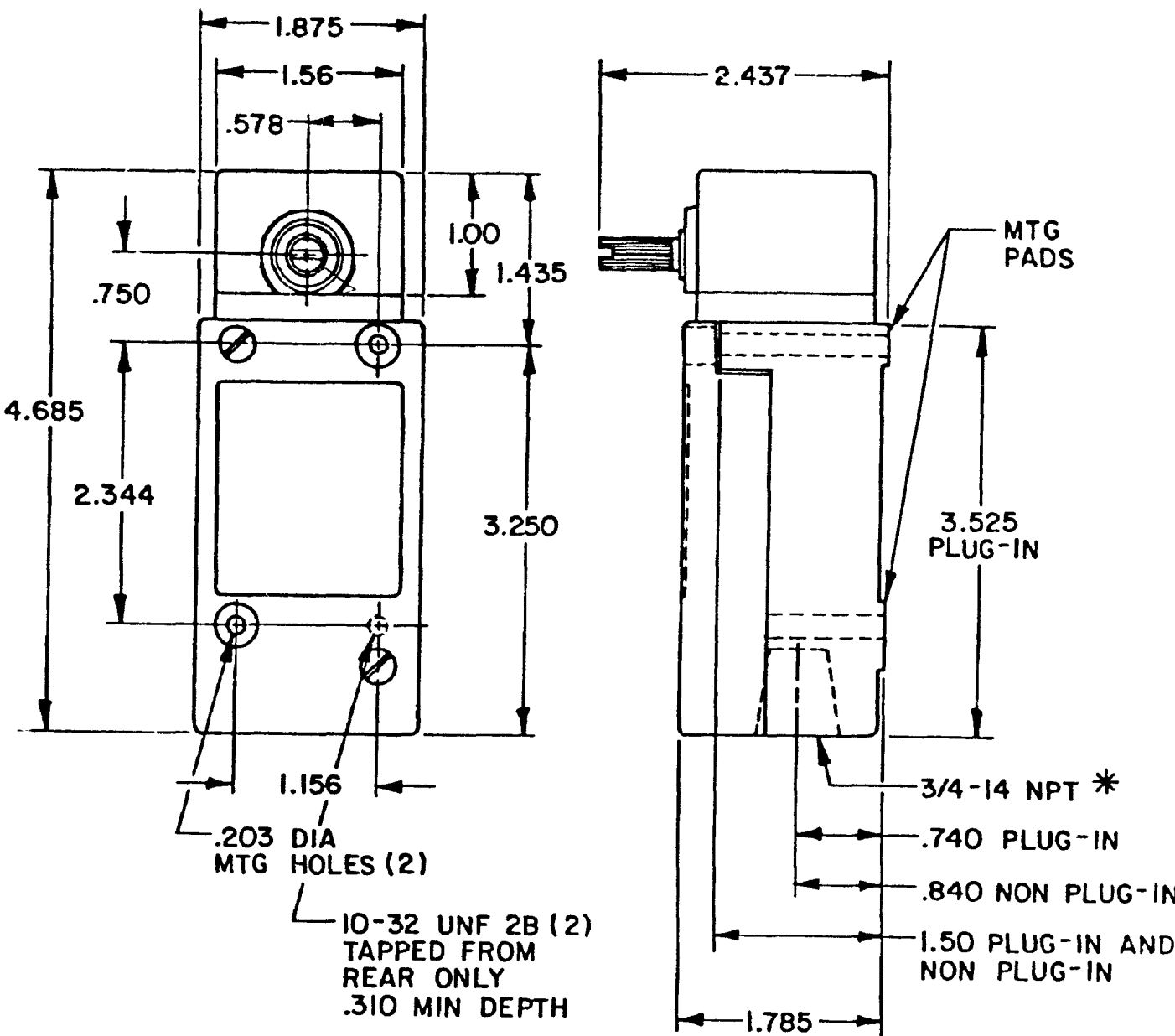


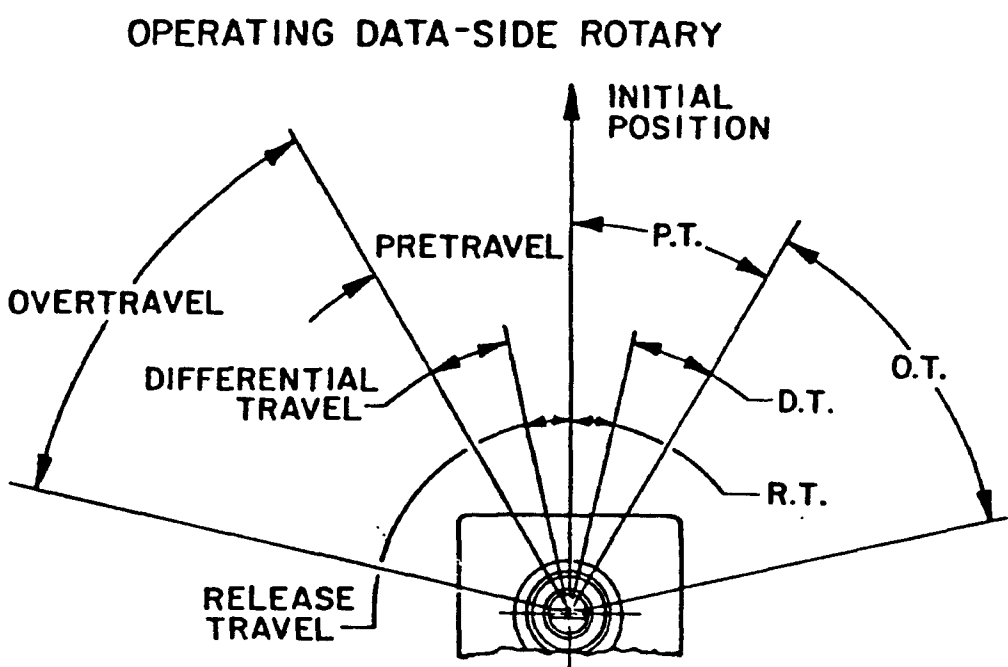
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DOUBLE POLE

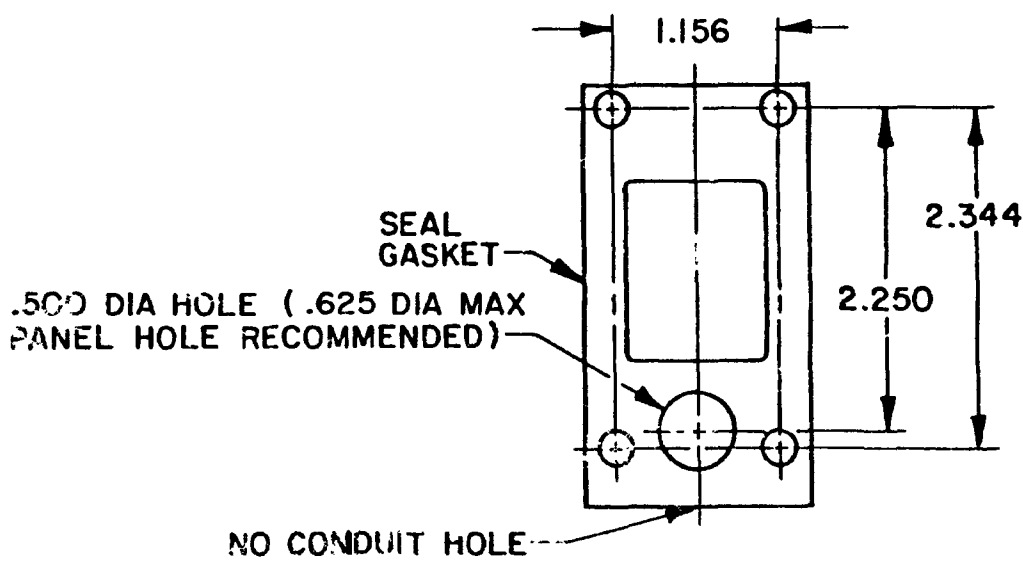


TYPE: LSA2, LSH2, LSM2, LSN2, LSP2, LSR2
LSA4, LSH4, LSM4, LSN4, LSP4, LSR4

*(LSA6, LSH6, LSM6, LSN6, LSP6, LSR6
LSA7, LSH7, LSM7, LSN7, LSP7, LSR7 HAVE
1/2-14 NPT CONDUIT HOLE)



MANIFOLD MOUNT (PLUG-IN ONLY)
SINGLE POLE AND DOUBLE POLE
TYPE LSA THROUGH LSW SERIES



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MICRO SWITCH a Honeywell Division FED. MFG. CODE 91929	SWITCH - ENCLOSED	CATALOG LISTING
		LSA-LSW SERIES CHART 1

THIRD ANGLE PROJECTION

SCALE NONE

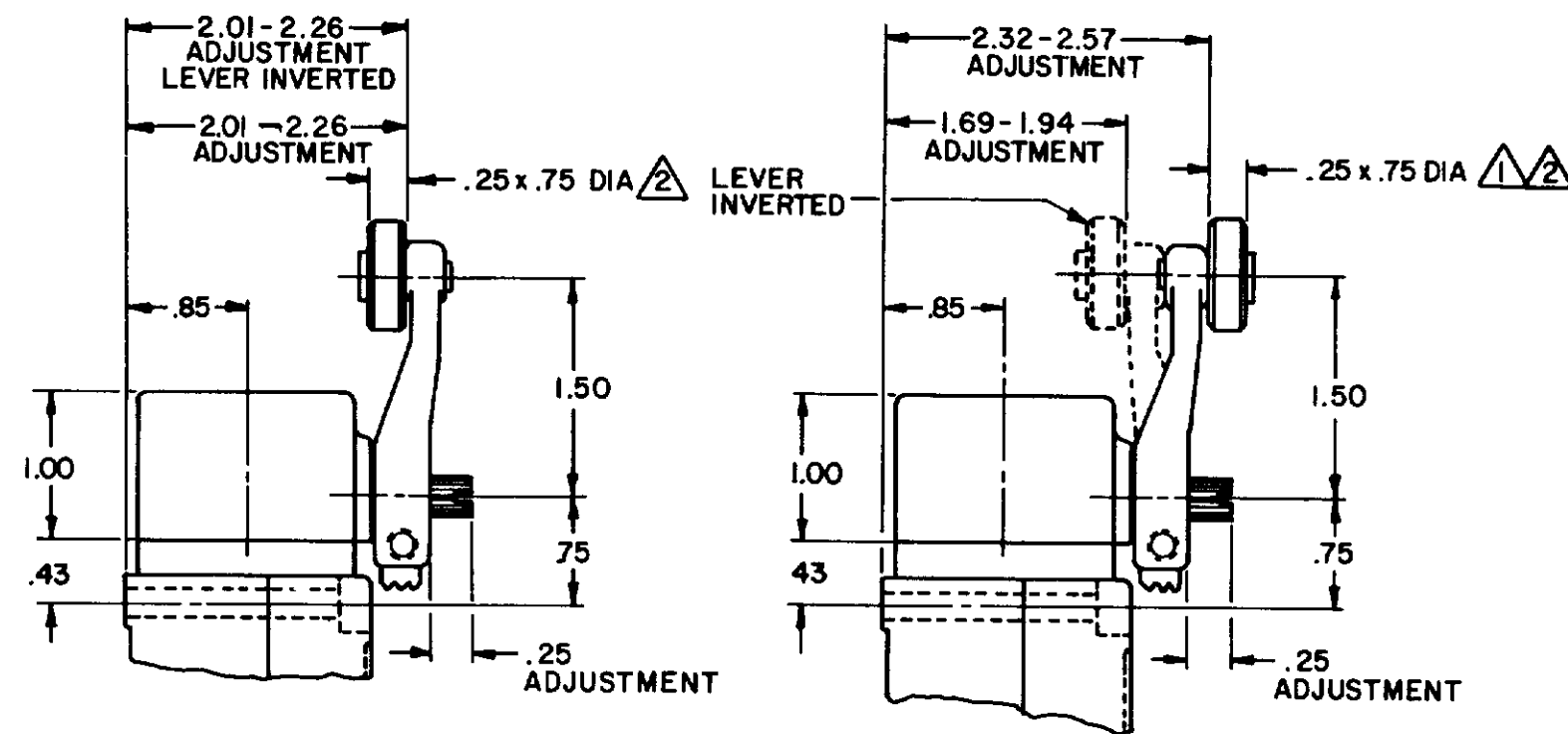
DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE

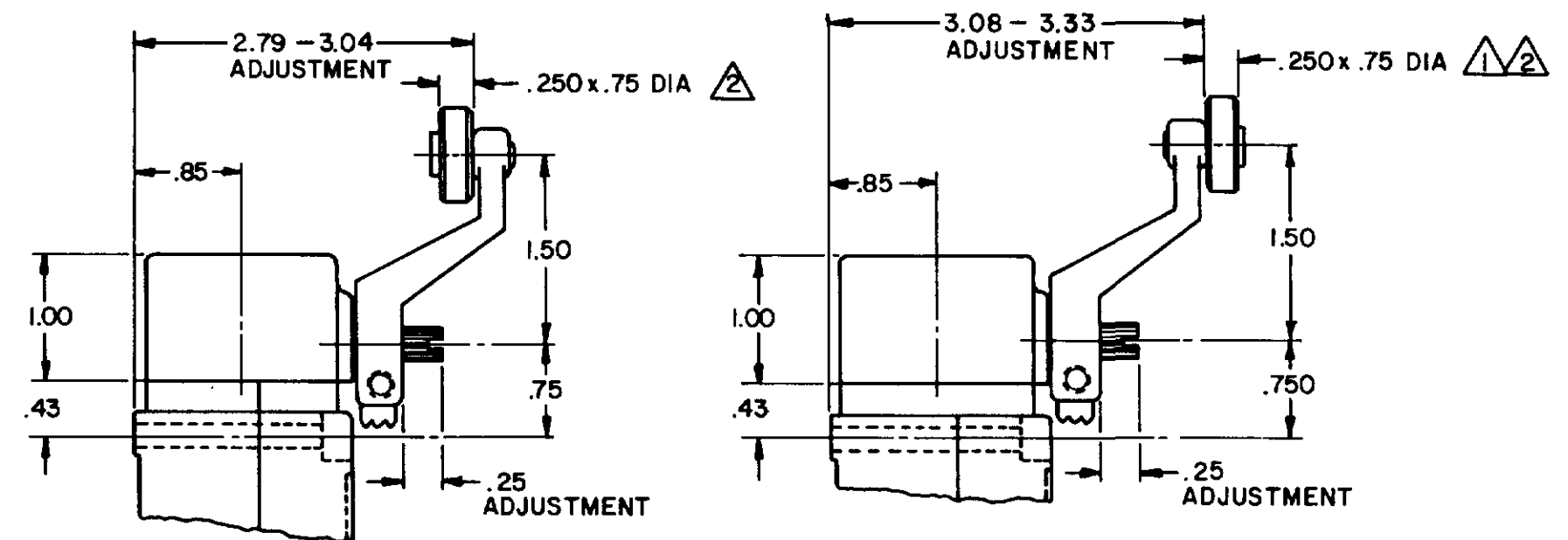
ONE PLACE	(.0)	±.030
TWO PLACES	(.00)	±.015
THREE PLACES	(.000)	±.005
ANGLES		±

WEIGHT

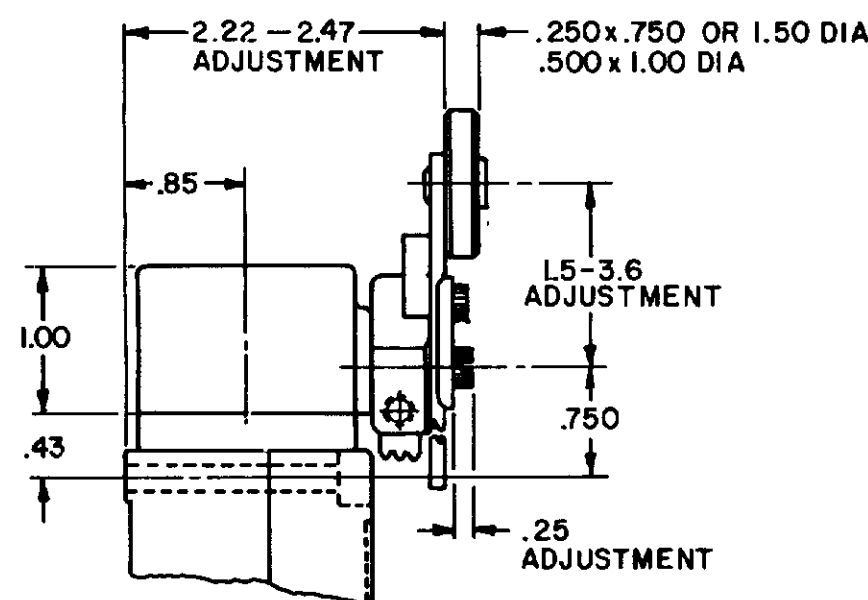
SIDE ROTARY CAM TRACKING



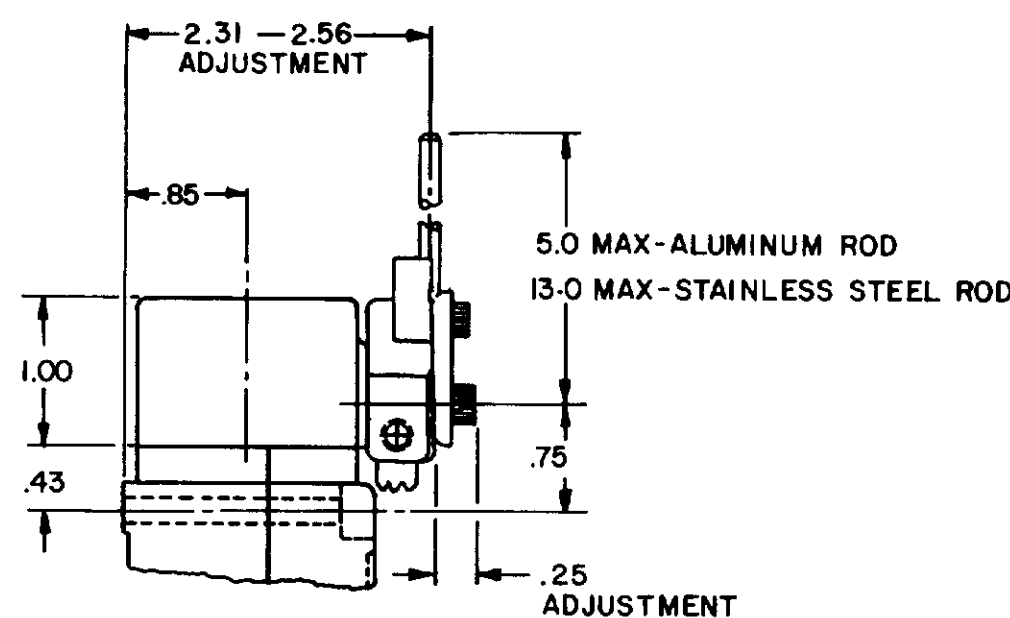
LSZ51 TYPE LEVERS



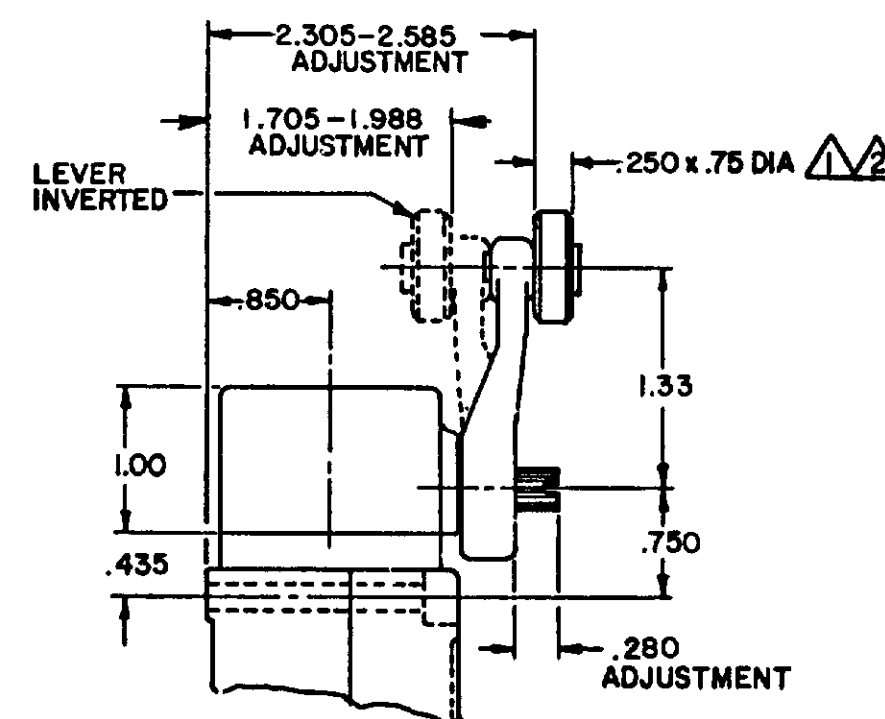
LSZ55 TYPE LEVERS



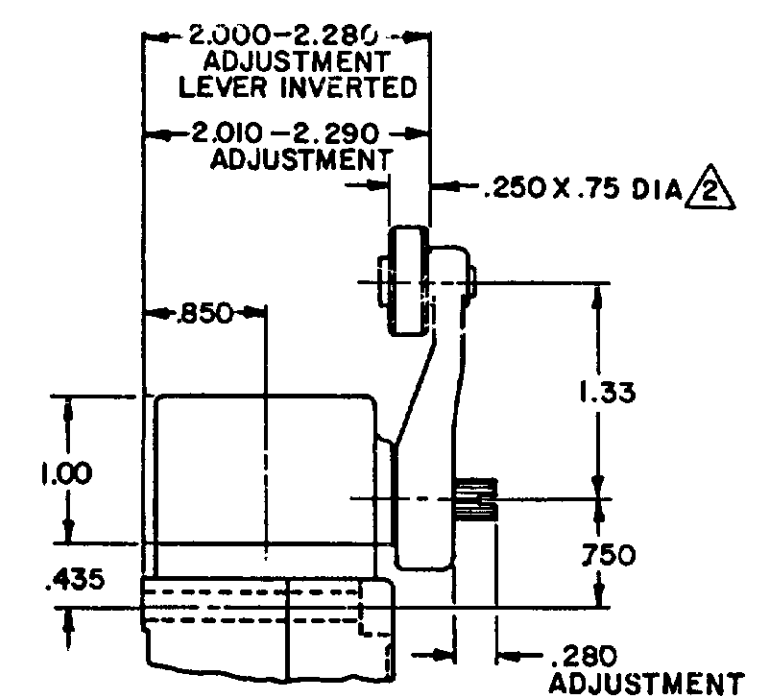
LSZ52 TYPE LEVER



LSZ54 TYPE LEVER



OPEN MOUNTED ROLLER



CLOSED MOUNTED ROLLER

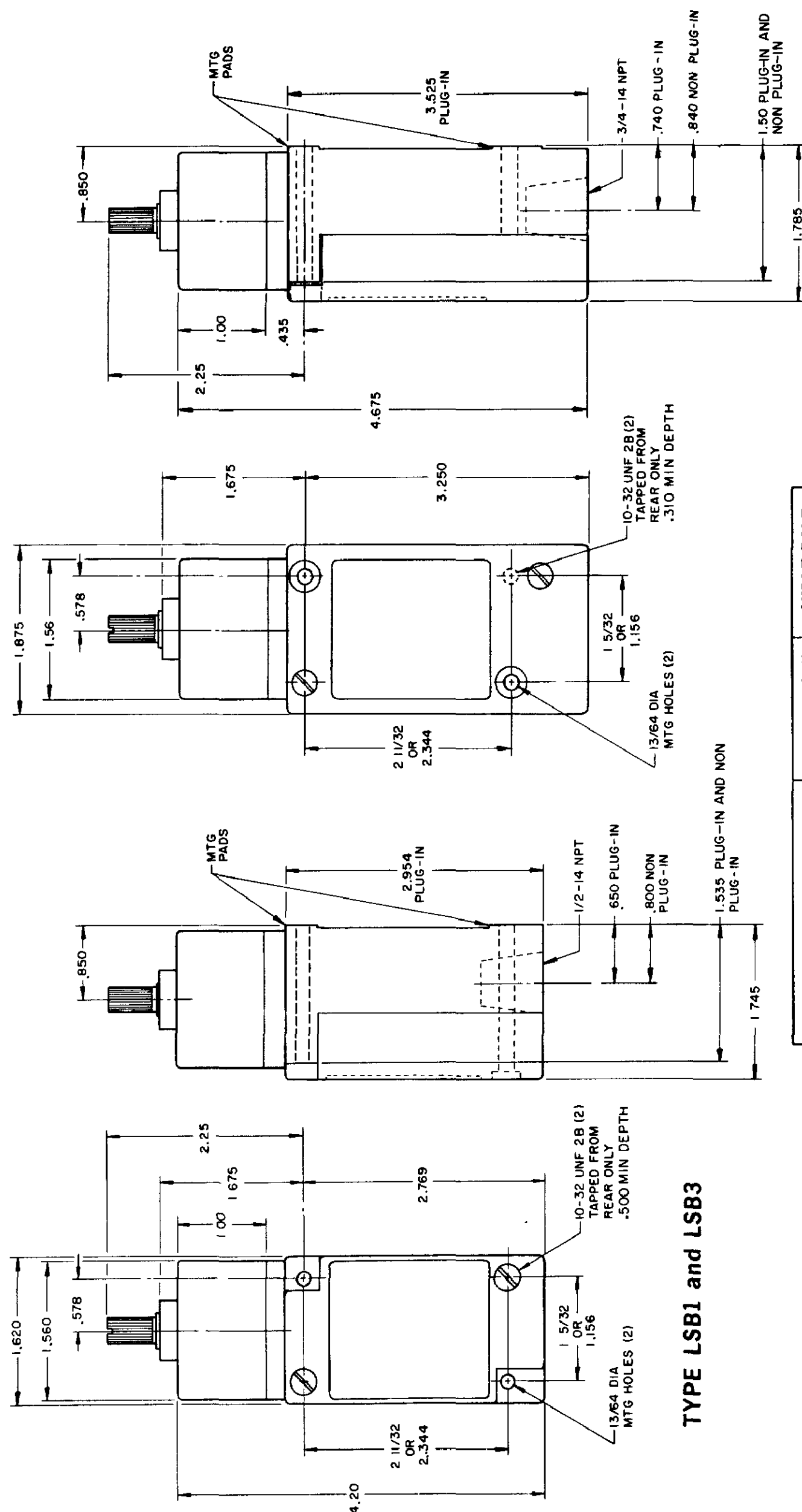
LSZ59 TYPE LEVERS

- NOTES
- 1 ALSO AVAILABLE IN Ø.250 X 1.500 NYLON, BUT LEVER CANNOT BE INVERTED
 - 2 FOR ADDITIONAL ROLLER WIDTHS AND/OR DIAMETERS REFER TO "M" DRAWING
 - 3 - FOR ADDITIONAL TYPES OF ROLLERS AND LEVERS REFER TO LSZ CHART 1 "M" DRAWING

TOP ROTARY

SINGLE POLE

DOUBLE POLE



TYPE LSB1 and LSB3

**TYPE LSB2 and LSB4
LSB6 and LSB7 have 1/2" - 14 NPT
CONDUIT HOLE**

PRETRAVEL MAX	SINGLE POLE 25°	DOUBLE POLE 25°
OVERTRAVEL MIN	110°	110°
DIFFERENTIAL TRAVEL MAX	10°	12°
OPERATING TORQUE MAX	2 5 IN. LBS	2 5 IN. LBS
TOTAL TRAVEL (REF)	135°	135°

ELECTRICAL RATINGS

10 AMP CONT.	A.C. VOLTAGE	AMPS AT 35 POWER FACTOR					
		SINGL POLE		DOUBLE POLE		BREAK	
		MAKE	BREAK	MAKE	BREAK	MAKE	BREAK
	120	60	6	30	3		
	240	30	3	15	1.5		
	480	15	1.5	7.5	75		
	600	12	1.2	6	6		

D. C. VOLTAGE	MAKE & BREAK INDUCTIVE	RESISTIVE
120	0.25	0.80
240	0.15	0.40

ELECTRONIC DUTY BASIC SWITCH
10 AMP CONT

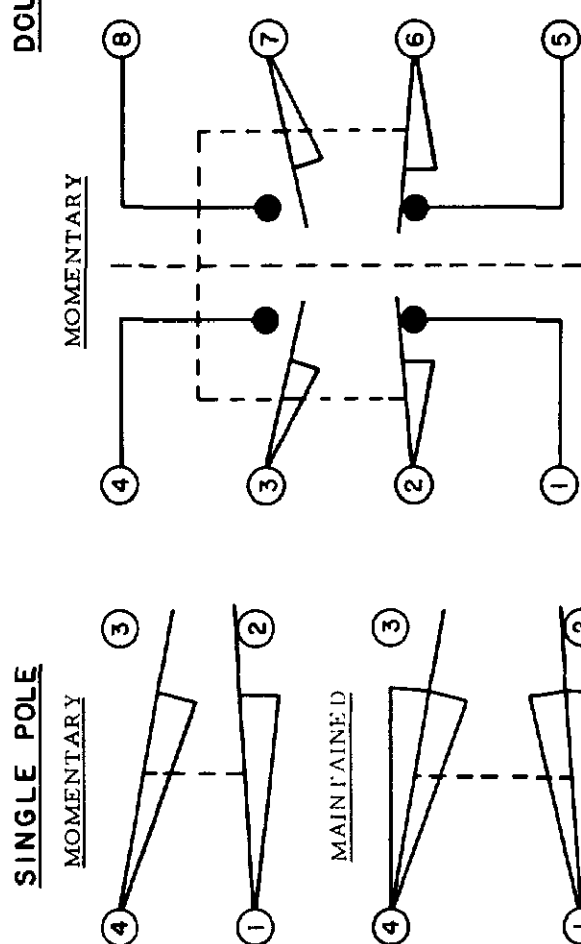
VOLTAGE	
5 AC OR DC MIN	01 AMP MIN
600 AC	720 VA
240 DC	30 WATT

**DIRECT ACTING (ALSO RATED AT A. C. 10
AMP CONT.)**

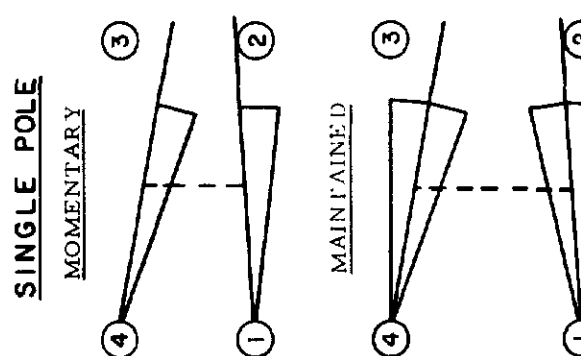
D. C. VOLTAGE	MAKE AND BREAK AMPS	
	INDUCTIVE	RESISTIVE
30	4.2	4.2
120	1.1	1.1
240	.55	.55

**WIRING BASIC SWITCH
(SAME POLARITY MUST BE OBSERVED FOR EACH POLE)**

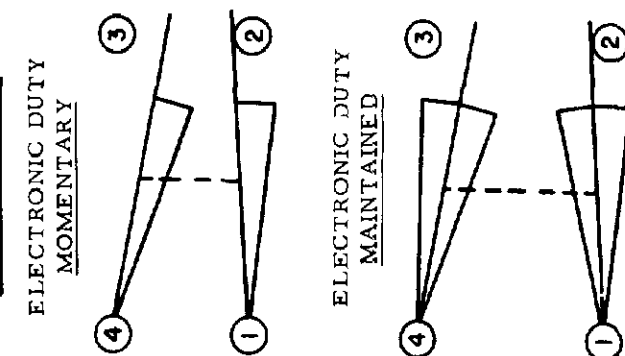
DOUBLE POLE



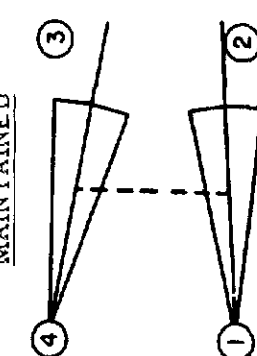
SINGLE POLE



SINGLE POLE



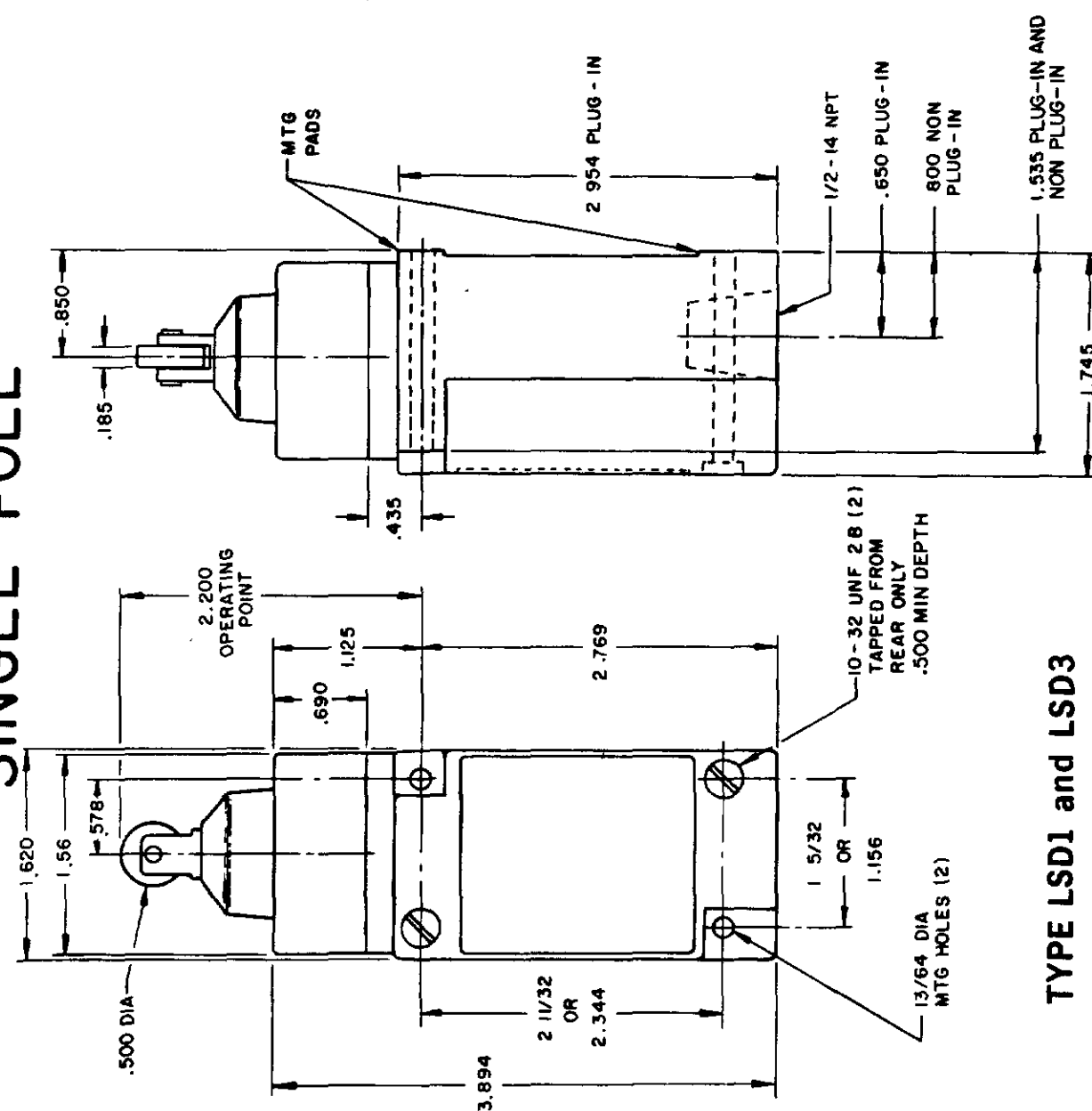
ELECTRONIC DUTY



DIRECT ACTING

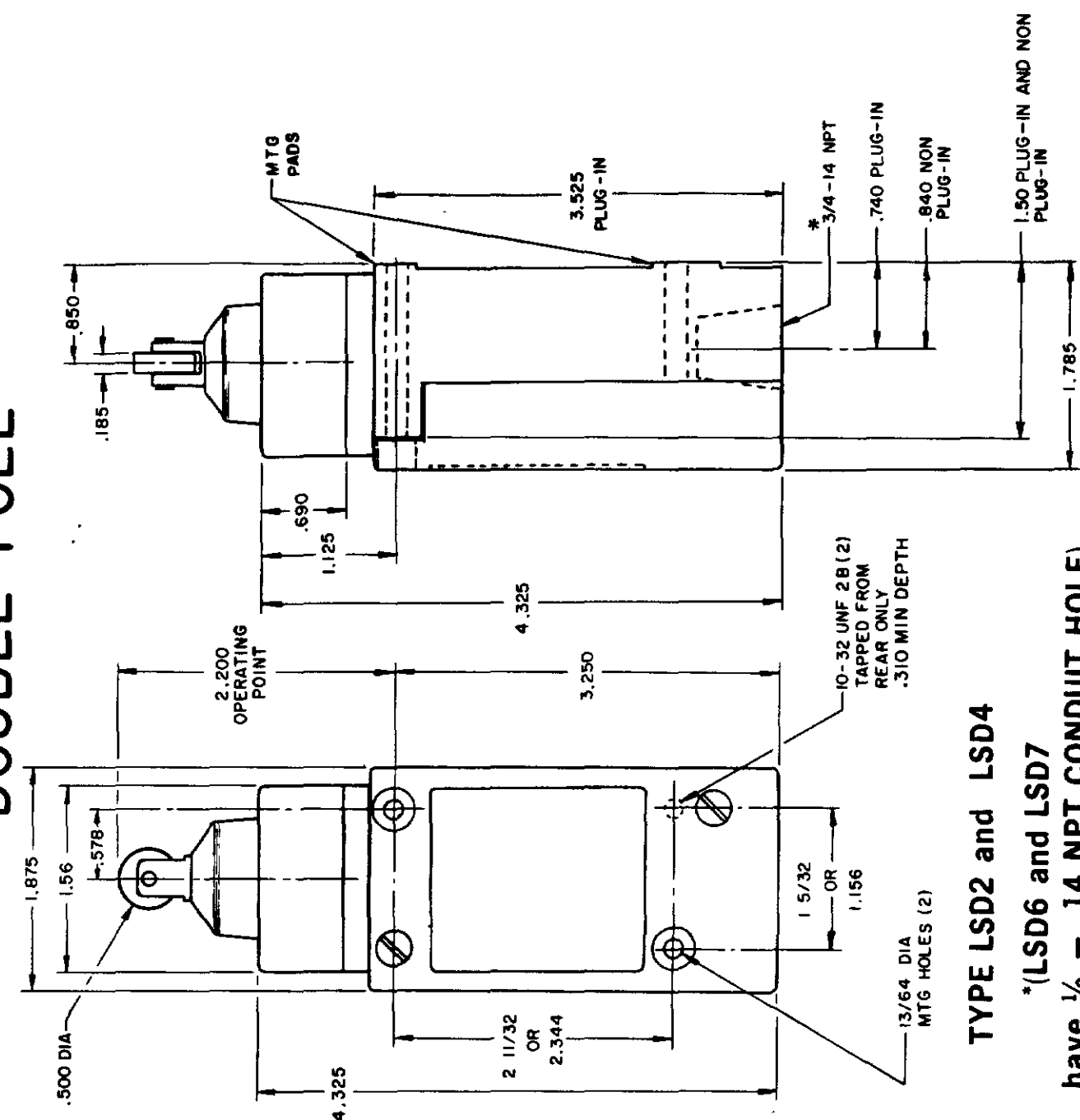


SINGLE POLE



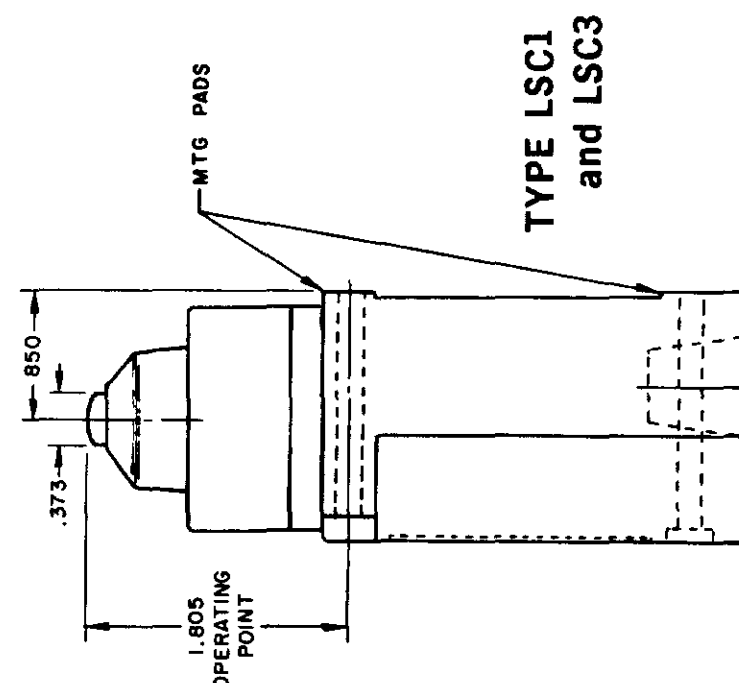
TYPE LSD1 and LSD3

DOUBLE POLE

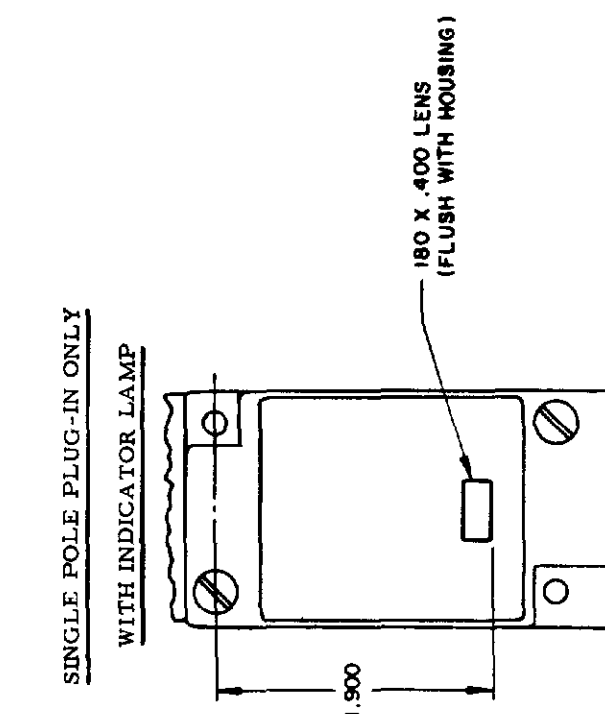


TYPE LSD2 and LSD4

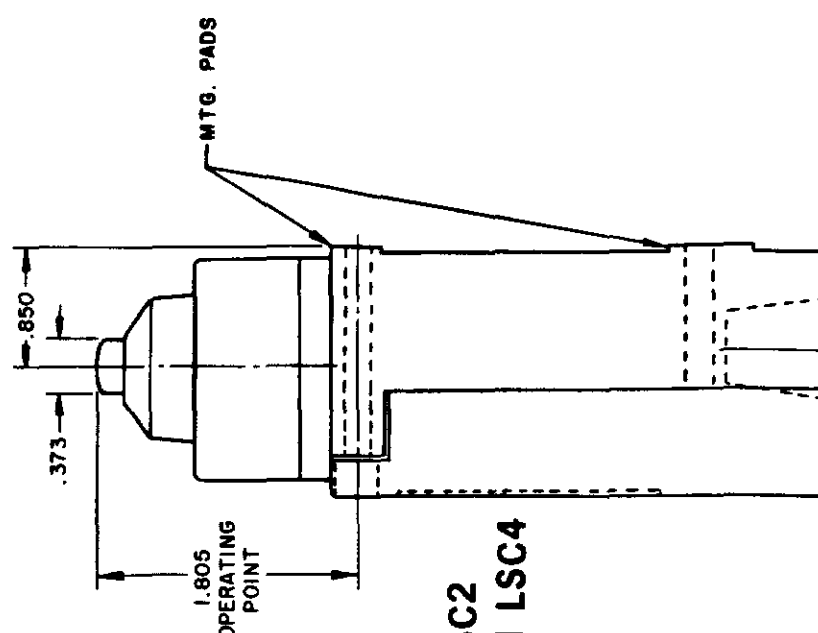
*(LSD6 and LSD7 have 1/2 - 14 NPT CON



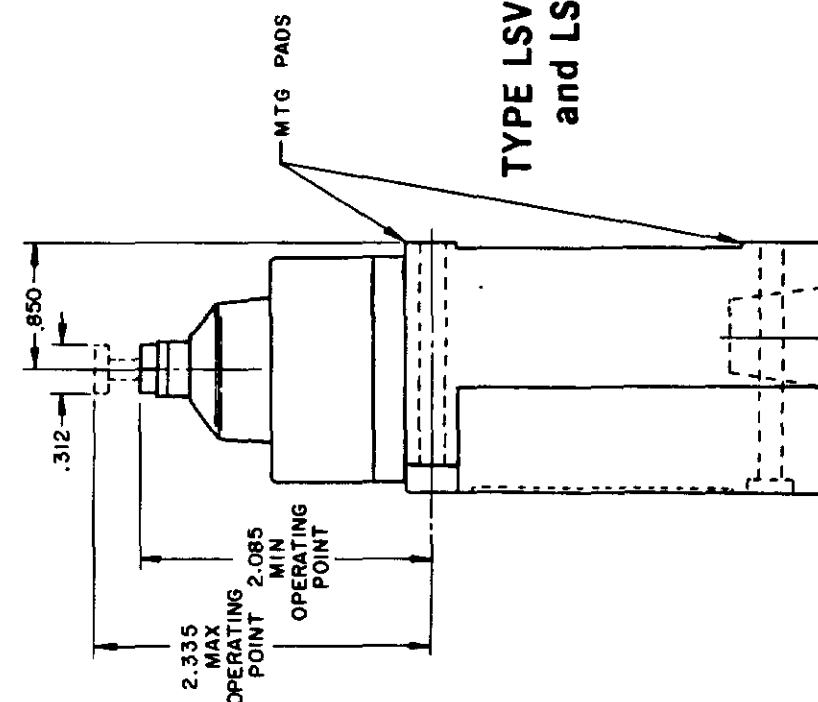
TYPE LSC1 and LSC3



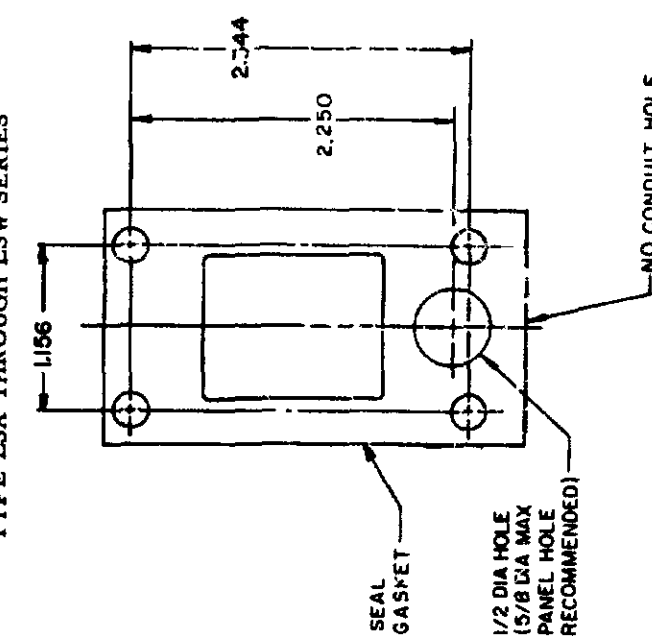
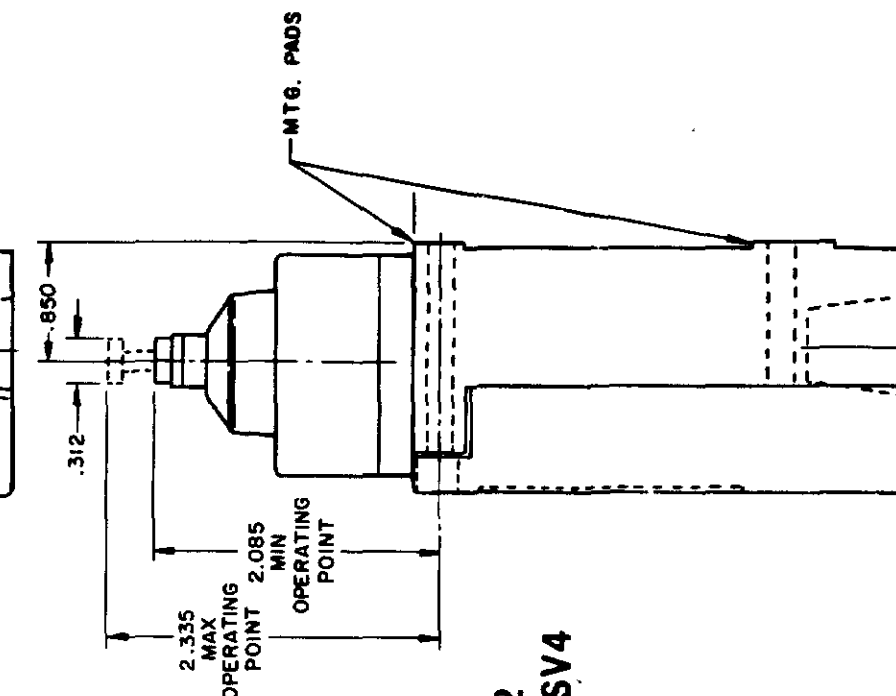
**TYPE LSC2
and LSC4**



**TYPE LSV1
and LSV3**



**TYPE LSV2
and LSV4**



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SWITCH - ENCLOSED

CATALOG LISTING

LSA-LSW SERIES

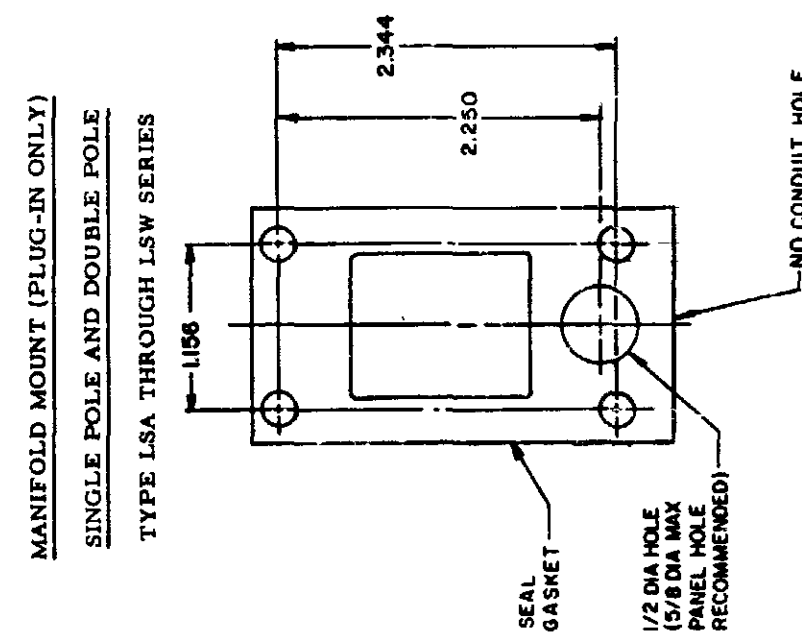
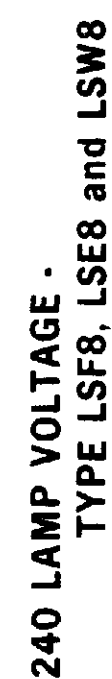
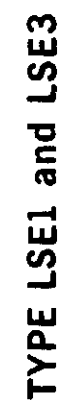
CHART 1

PAGE 4 OF 10

SCALE NON8

DO NOT SCALE PRINT

SINGLE POLE DOUBLE POLE



FED MFG CODE 91929

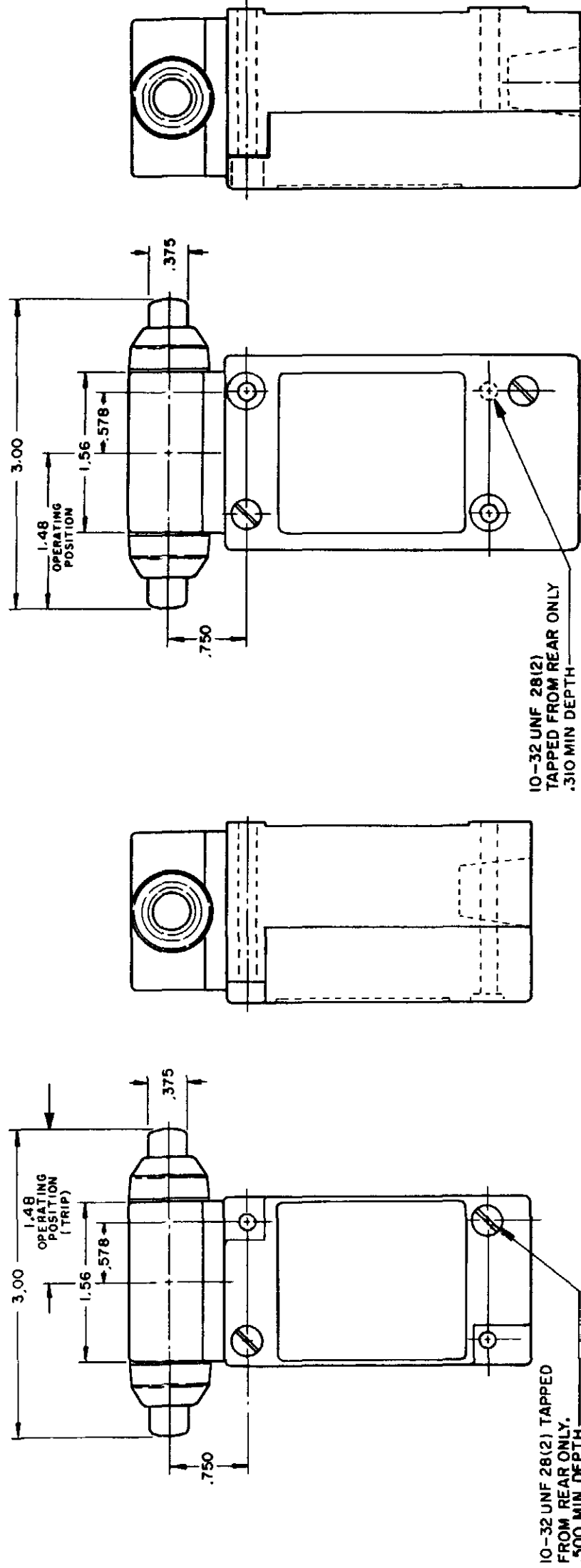
CATALOG LISTING

LSA-LSW SERIES

CHART 1

SCALE NONE

DO NOT SCALE PRINT



TYPE LSG1 and LSG3

TYPE LSG2 and LSG4

INITIAL POSITION —
(FREE POSITION) } PRETRAVEL
OPERATING POINT } DIFFERENTIAL TRAVEL
FULL TRAVEL — } OVERTRAVEL

OPERATING POINT GIVEN
IN RELATION TO TOP
MOUNTING HOLE

TOP PLUNGER TYPES

CHARACTERISTICS	LSC PLUNGER	LSD ROLLER PLUNGER	LSV ADJ PLUNGER	SEQUENCE BASIC		
				LSC	LSD	LSV
PRETRAVEL (MAX)	.070	.070	.070	1ST STEP .070		
DIFFERENTIAL TRAVEL (MAX)	SINGLE POLE .015 DOUBLE POLE .020	SINGLE POLE .015 DOUBLE POLE .020	SINGLE POLE .015 DOUBLE POLE .020	2ND STEP .016 MIN ADD'L		
OVERTRAVEL (MIN)	.190	.190	.190	.015 EACH STEP		
OPERATING FORCE (MAX)	4 LBS	4 LBS	4 LBS	.170		
OPERATING POINT	1.805 ± .030	2.200 ± .040	2.085 MIN	1ST STEP		
FULL OVERTRAVEL FORCE (MAX)	7 LBS	7 LBS	7 LBS	1.815±.030 2.210±.040 2.095 MIN / 2.345 MAX		

OPERATING POINT GIVEN IN
RELATION TO CENTER OF HEAD

SIDE PLUNGER TYPES

CHARACTERISTICS	LSE PLUNGER	LSF ROLLER PLUNGER	LSW ADJ PLUNGER	LSG PLUNGER MAINTAINED	SEQUENCE BASIC		
					LSE	LSF	LSW
PRETRAVEL (MAX)	.100	.100	.100	.170	1ST STEP .100		
DIFFERENTIAL TRAVEL (MAX)	.045	.045	.045	.090	2ND STEP .020 MIN ADD'L		
OVERTRAVEL (MIN)	.190	.190	.190	.080	.025 EACH STEP		
OPERATING FORCE (MAX)	6 LBS	6 LBS	6 LBS	10 LBS	.170		
OPERATING POINT	1.300 ± .030	1.735 ± .040	ADJUSTABLE FROM 1.615 MIN 1.865 MAX	1.480 ± .030	1ST STEP		
FULL OVERTRAVEL FORCE (MAX)	6 LBS	6 LBS	6 LBS	10 LBS	1.310±.030 1.745±.040 1.625 MIN / 1.875 MAX		

REVISIONS	DATE	BY	CHKD	APPD
L	0031956			
B	201004			
C	201748			
D	202198			
E	204871			
F	206581			
G	206763			
H	207179			
J	207474			
K	0006871			

ISSUE	DATE	BY	CHKD	APPD
12	10JUL07			
PSR	10JUL07			
CHECK	11AUG04			
RELEASE NO	CO-78498			
REPLACES	LSA-LSW SERIES			

CATALOG LISTING	LSA-LSW SERIES CHART 1
PAGE 7 OF 10	

MAST
DRAWN

MAM 15 JUN 94

11AUG04

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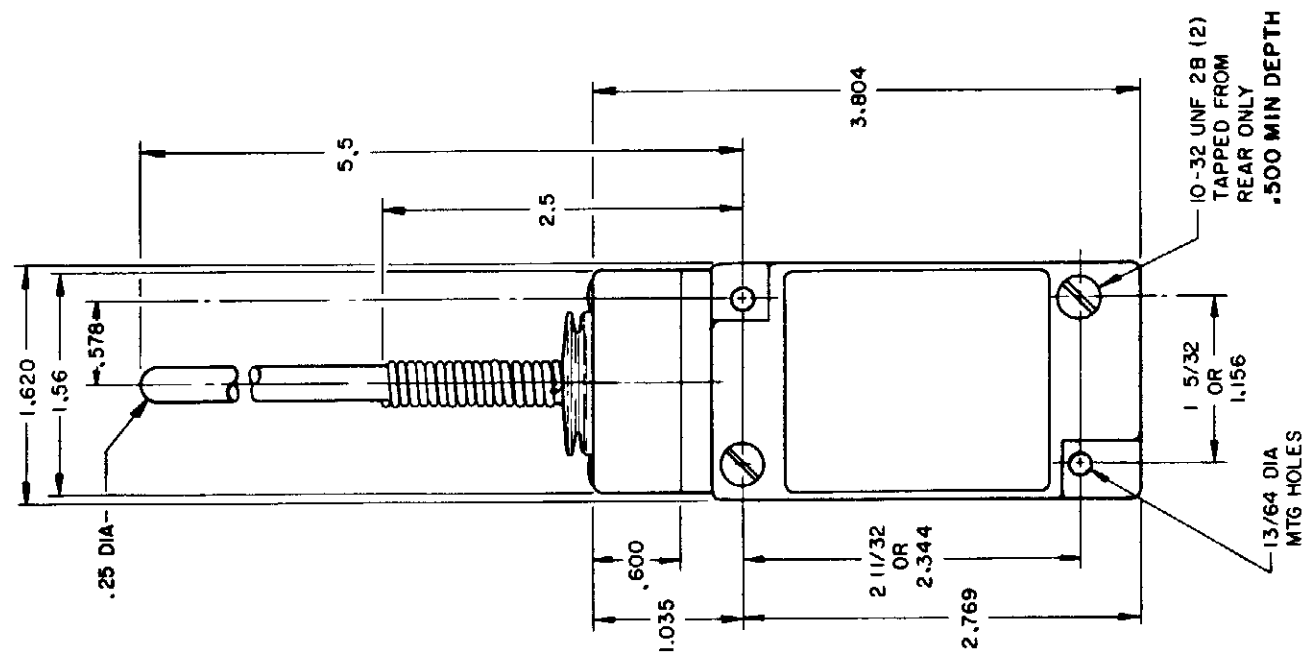
11AUG04

11AUG04

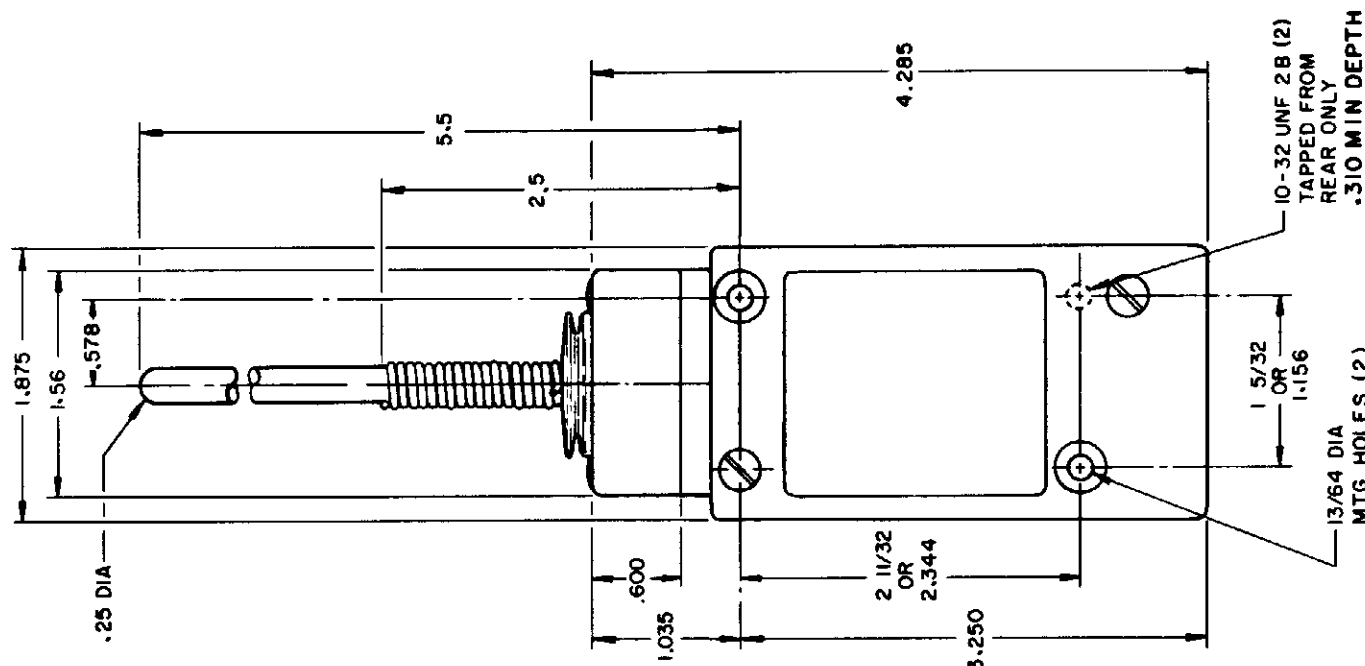
WOBBLE STICK

SINGLE POLE

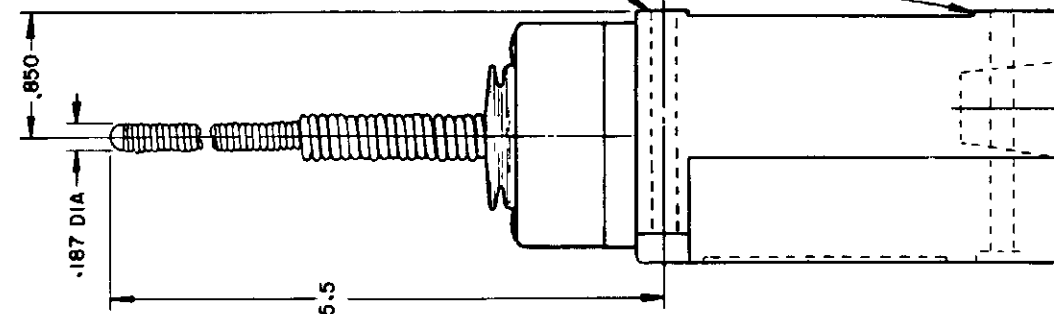
DOUBLE POLE



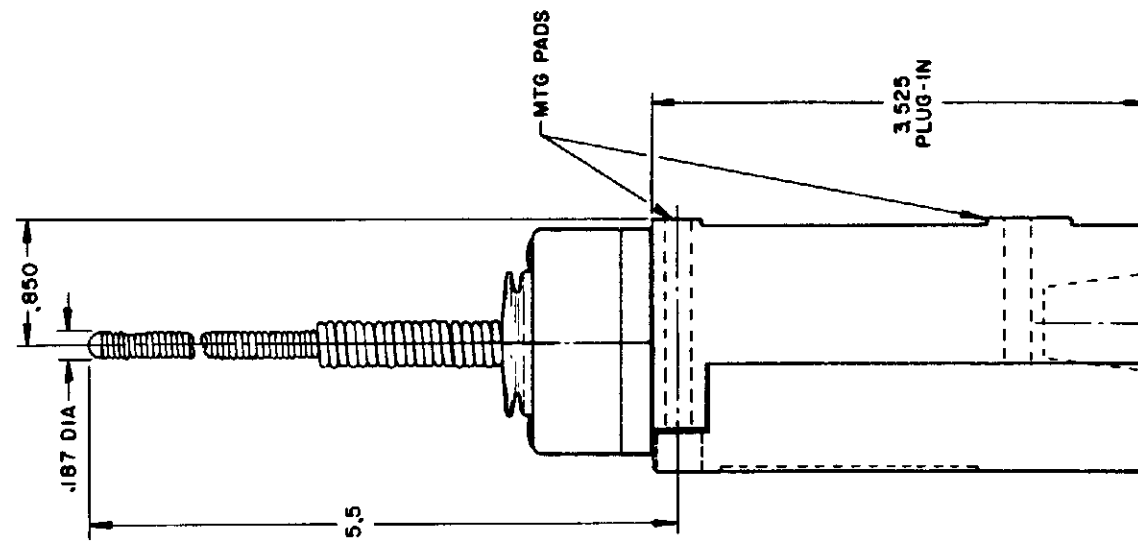
PLASTIC EXTENSION TYPE 7A ACTUATOR TYPE LSJ1 AND LSJ3



PLASTIC EXTENSION TYPE 7A ACTUATOR TYPE LSJ2 AND LSJ4 LSJ6 AND LSJ7 HAVE 1/2 - 14 NPT CONDUIT HOLE

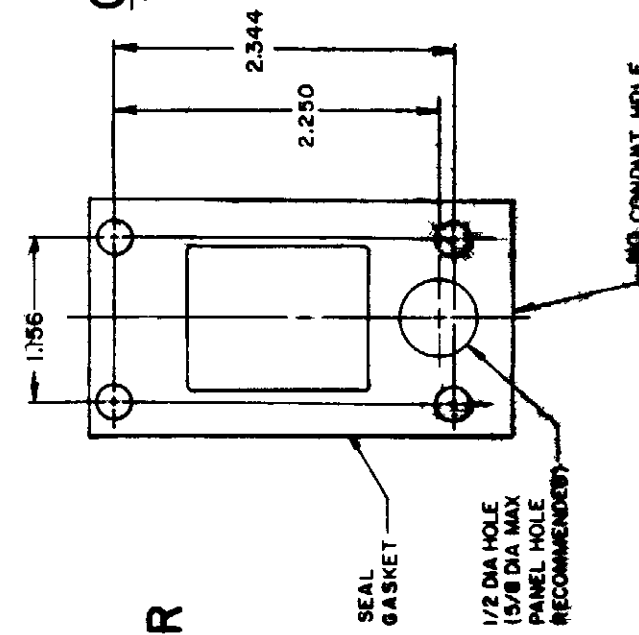


REPLACEMENT ACTUATOR LSZ-4009



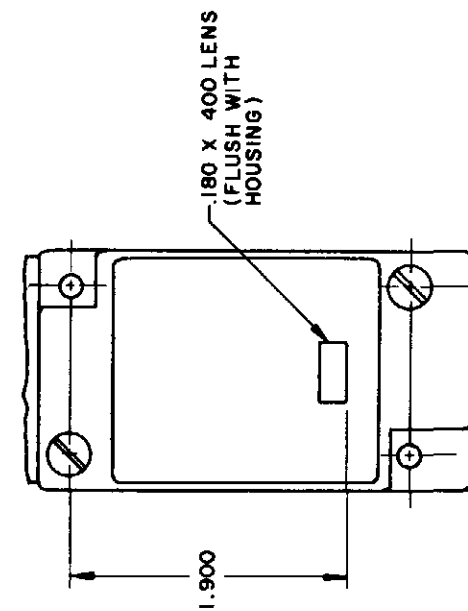
MANIFOLD MOUNT (PLUG-IN ONLY)
SINGLE POLE AND DOUBLE POLE
TYPE LSA THROUGH LSW SERIES

CABLE EXTENSION TYPE 7N ACTUATOR



CABLE EXTENSION TYPE 7N ACTUATOR

SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP



120 LAMP VOLTAGE TYPE LSJ5
240 LAMP VOLTAGE TYPE LSJ8
24 LED VOLTAGE TYPE LSJ9

REPLACEMENT ACTUATOR LSZ-4011

PAGE 7 OF 10

SCALE NONE
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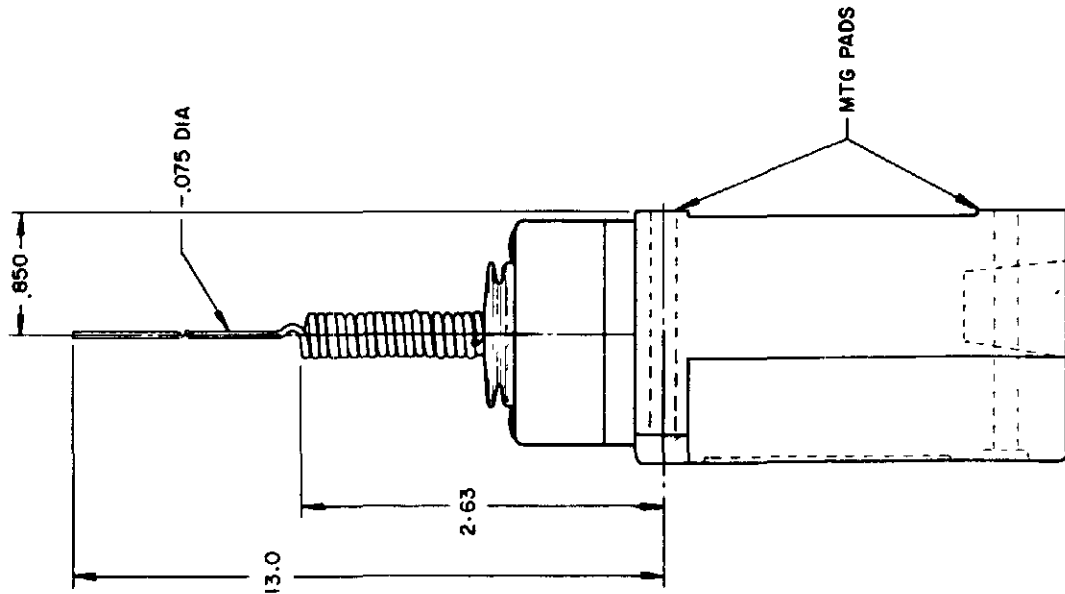
FED MFG CODE 91929

SWITCH - ENCLOSED

CATALOG LISTING
LSA-LSW SERIES
CHART 1

LSA-LSW SERIES
CHART 1

PAGE 7 OF 10

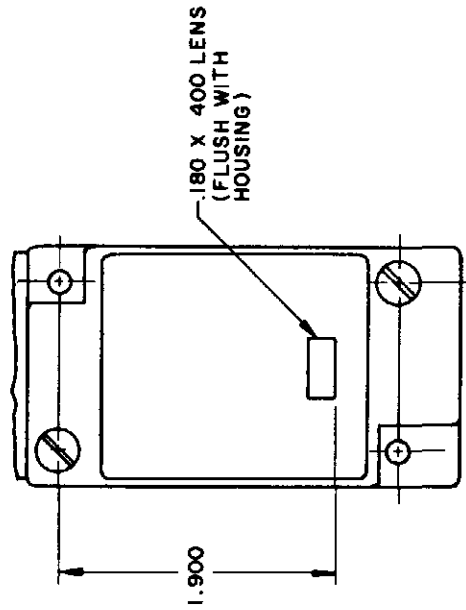


WIRE EXTENSION TYPE 7M ACTUATOR

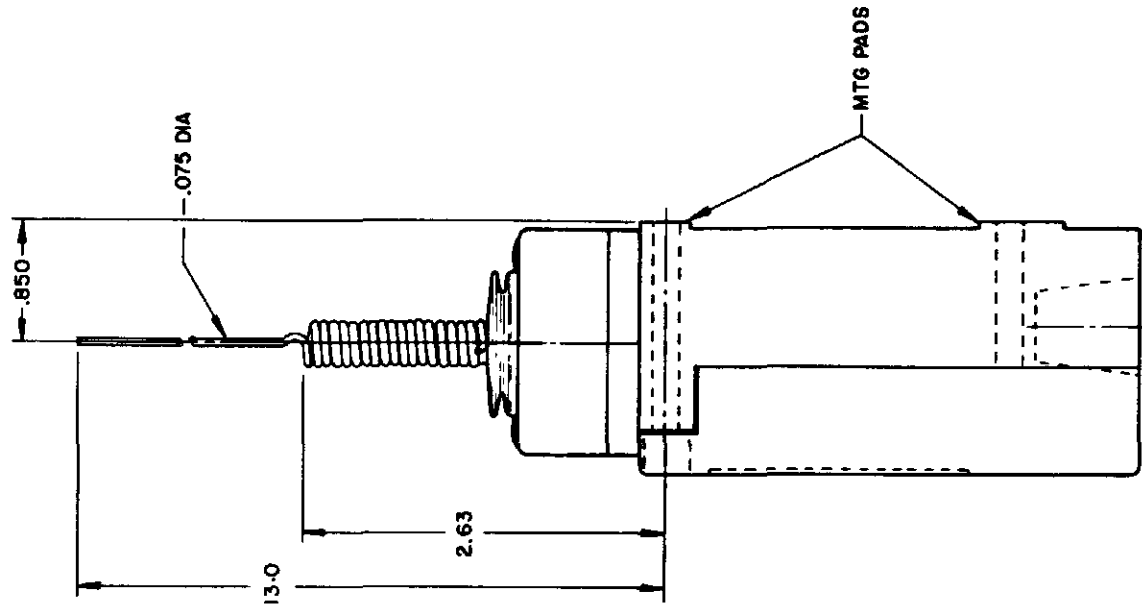
TYPE LSJ1 and LSJ3

REPLACEMENT ACTUATOR - LSZ 4010

SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP



120 LAMP VOLTAGE TYPE LSJ5
240 LAMP VOLTAGE TYPE LSJ8



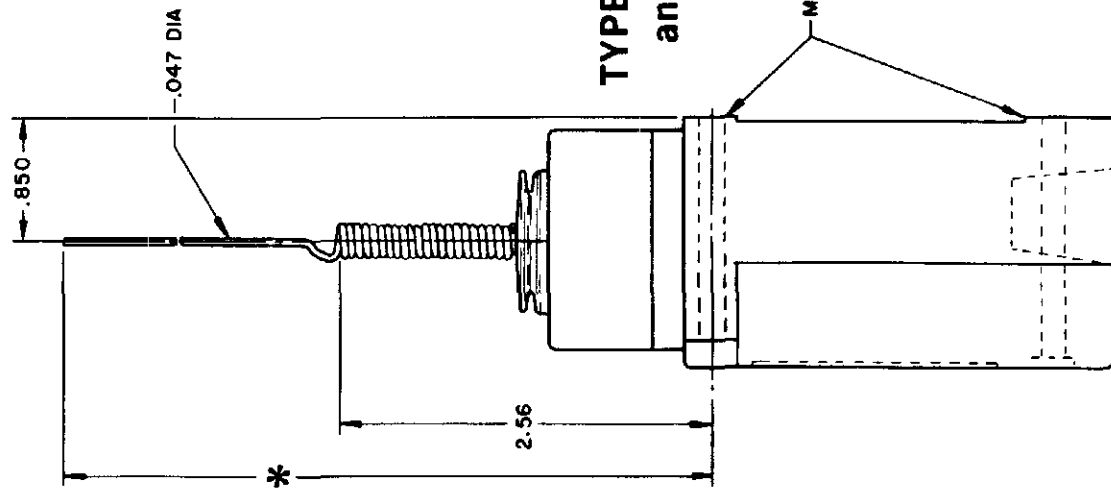
WIRE EXTENSION TYPE 7M ACTUATOR

TYPE LSJ2 and LSJ4

LSJ6 and LSJ7 have 1/2 - 14 NPT CONDUIT HOLE

CAT WHISKER

SINGLE POLE

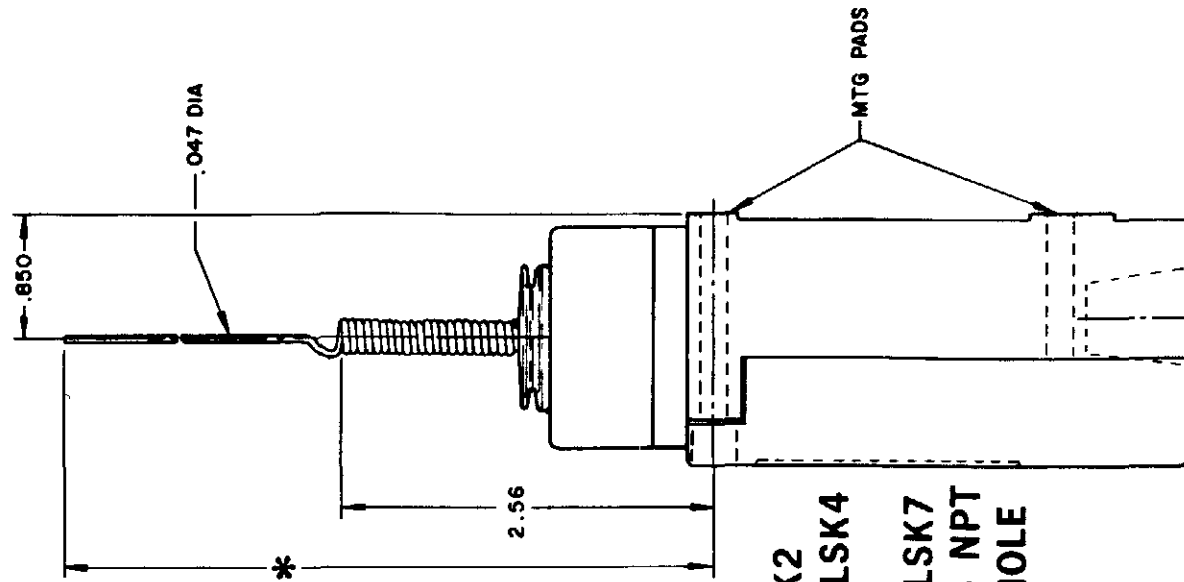


TYPE LSK1
and LSK3

120 LAMP VOLTAGE
TYPE LSK5 - CAT WHISKER TYPE LSB5 - TOP ROTARY
240 LAMP VOLTAGE
TYPE LSK8 - CAT WHISKER TYPE LSB8 - TOP ROTARY

*WIRE EXTENSION REPLACEMENT ACTUATOR
TYPE 8A ACTUATOR 5.5 IN.-LSZ 4012
TYPE 8B ACTUATOR 7.5 IN.-LSZ 4013
TYPE 8C COIL ACTUATOR 5.5 IN.-LSZ 4014
ACTUATOR 9.5 IN. - LSZ4036

DOUBLE POLE



TYPE LSK2
and LSK4
LSK6 and LSK7
have 1/2 - 14 NPT
CONDUIT HOLE

WIRE EXTENSION

*TYPE 8A ACTUATOR 5.5 IN.
TYPE 8B ACTUATOR 7.5 IN.
TYPE 8C ACTUATOR 5.5 IN.
TYPE 8D ROD ACTUATOR 5.5 IN.

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MICRO SWITCH
a Honeywell Division
FED MFG CODE 91929

SWITCH - ENCLOSED

CATALOG LISTING
LSA-LSW SERIES
CHART 1

PAGE 8 OF 10

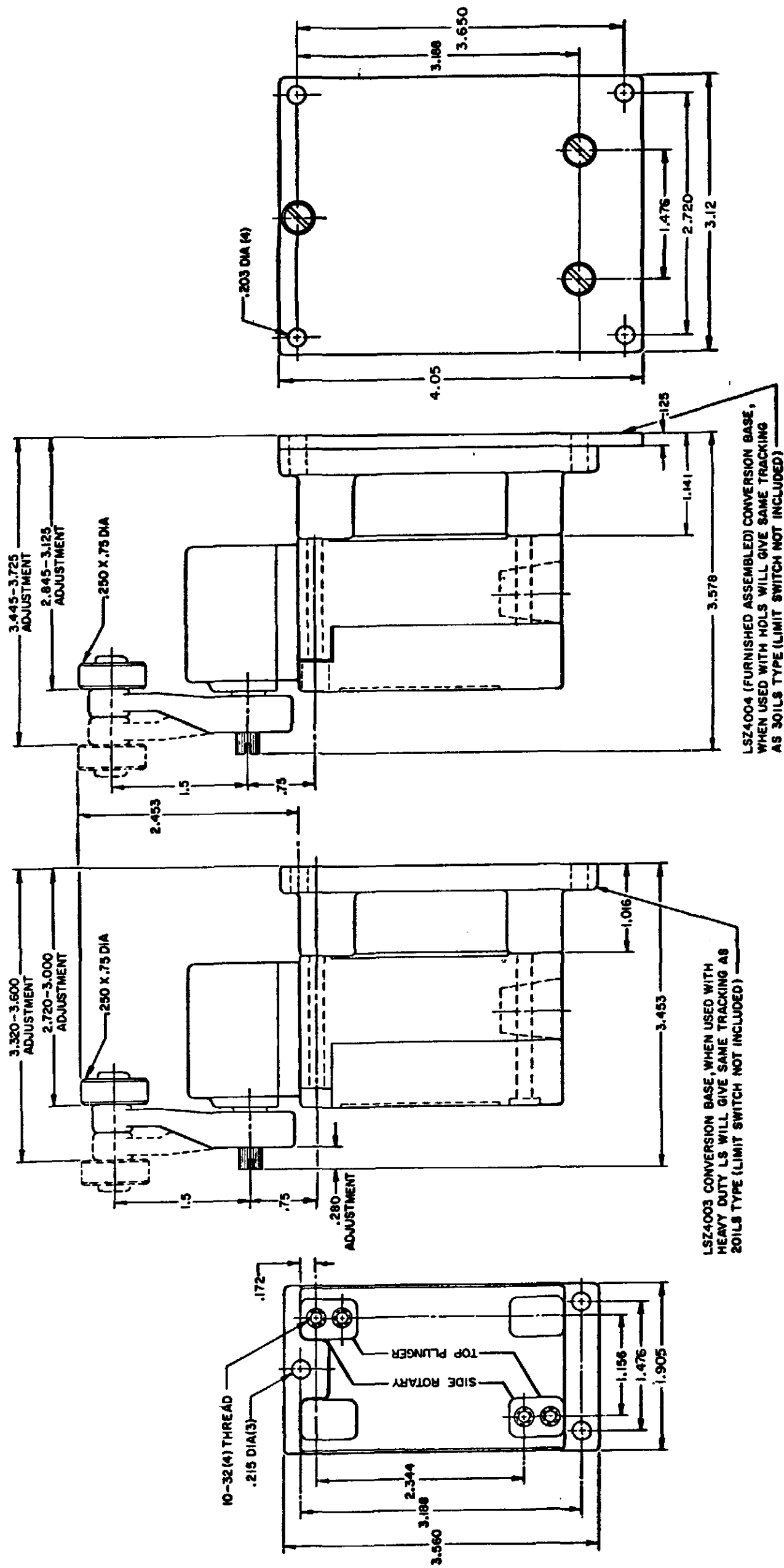
SCALE NONE
DO NOT SCALE PRINT

PRETRAVEL (APPROX) IN. RADIUS	CAT. WHISKER		WOBBLE STICK	
	5/16" COIL	5/16" WIRE	7/16" WIRE	7/16" WIRE
2	2	2	4.5	4.0
OPERATING FORCE-OZ (MAX)	7.0	5.0	3.0	7.0

CONVERSION BASES

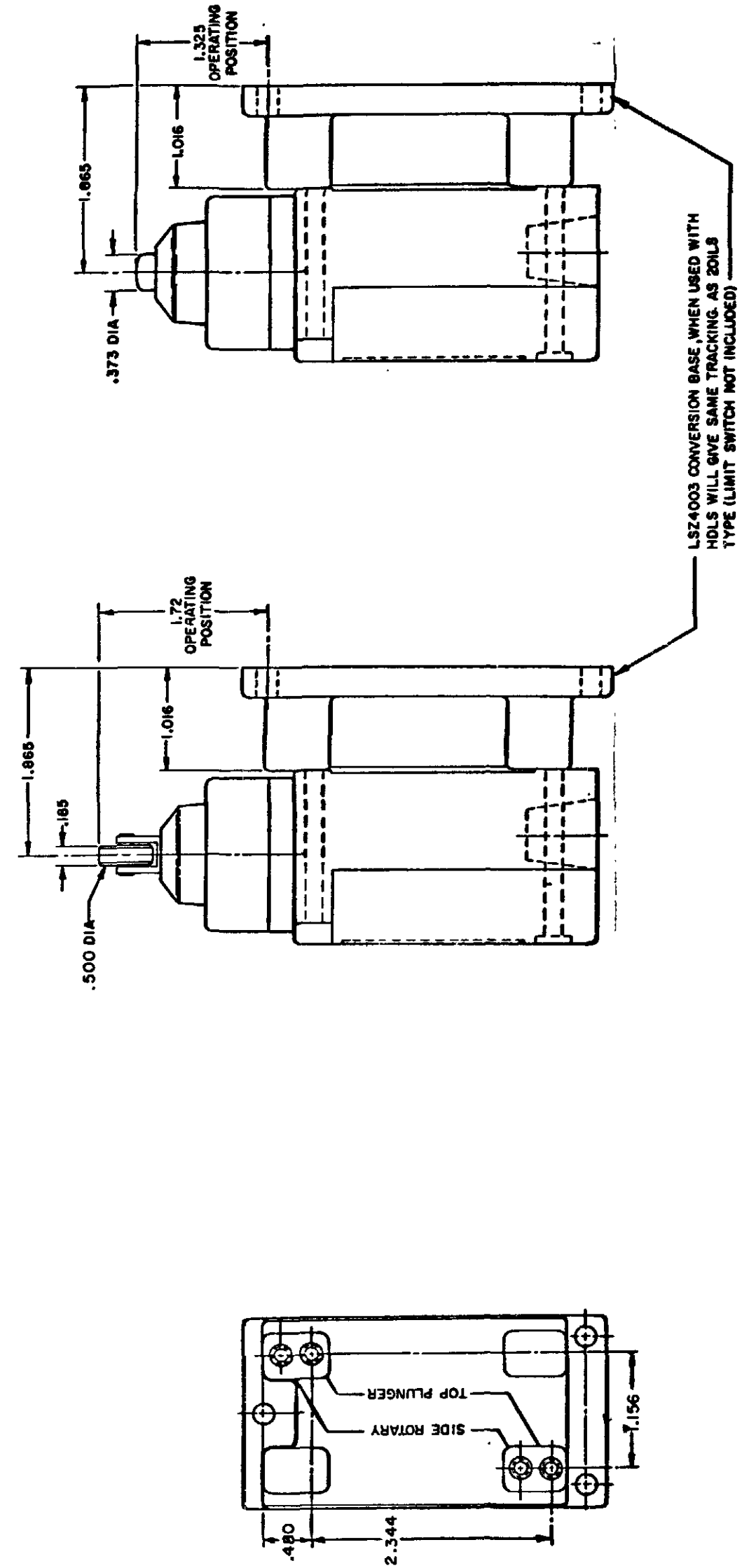
**SINGLE POLE
(SIDE ROTARY)
LSZ 4003**

**DOUBLE POLE
(SIDE ROTARY)
LSZ4004**



NOTE
SEE OTHER PAGES OF LSA-LSW
(M) DRAWING FOR DIMENSION OF LIMITS

SINGLE POLE TOP PLUNGER



NOTE
SEE OTHER PAGES OF LSA-LSW
(M) DRAWING FOR DIMENSION OF
LIMIT SWITCH

HEAD TYPE	CELLULOSE	DETERGENT	5 STAR	ASTM #1	ASTM #2	ASTM #3	ASTM #4	HOUGHTON SAFE 271	HOUGHTON SAFE 620	HOUGHTON SAFE 1010, 1055, 1120	MINERAL OIL	PETROL OIL	SILICON CRUDE	SUNSAFE	BEER	STODDARD SOLV.	CHLORINATED SOLVENTS	CITRIC ACID	DI-ESTER SYN. LUBRICANTS	OZONE	PYDRAUL	PROGUARD	PETRO BASE HYDRAULIC OIL	LARD OIL	SILICATE ESTERS
LSA	4	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2	
LSB	4	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2	
LSC	4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	4	1	4	3	4	4	2	2	2	
LSD	4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	4	1	4	3	4	4	2	2	2	
LSE	4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	4	1	4	3	4	4	2	2	2	
LSF	4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	4	1	4	2	4	4	2	2	2	
LSG	4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	4	1	4	3	4	4	2	2	2	
LSH	4	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2	
LSJ	4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	4	1	4	3	4	4	2	2	2	
LSK	4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	4	1	4	3	4	4	2	2	2	
LSL	4	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2	
LSM	4	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2	
LSN	4	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2	
LSP	4	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2	
LSR	4	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2	
LSV	4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	4	1	4	3	4	4	2	2	2	
LSW	4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	4	1	4	2	4	4	2	2	2	
LST	UNSEALED DEVICE, INTENDED TO MEET NEMA 1 ONLY																								
LSS	UNSEALED DEVICE, INTENDED TO MEET NEMA 1 ONLY																								

CODE: 1 SATISFACTORY 2 FAIR 3 DOUBTFUL 4 UNSATISFACTORY

TEMPERATURE LIMITATIONS FOR STANDARD DEVICES		
TYPES	LOW LIMIT	HIGH LIMIT
LSA	+10°F	+250°F
LSB	+30°F	+250°F
LSC	+10°F	+200°F
LSD	+10°F	+200°F
LSE	+10°F	+200°F
LSF	+10°F	+200°F
LSG	+30°F	+200°F
LSH	+30°F	+250°F
LSJ	+10°F	+200°F
LSK	+10°F	+200°F
LSL	+10°F	+250°F
LSM	+30°F	+250°F
LSN	+30°F	+250°F
LSP	+10°F	+250°F
LSR	+30°F	+250°F
LSV	+10°F	+200°F
LSW	+10°F	+200°F
LST	+30 F	+170°F
LSS	+30°F	+170°F

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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