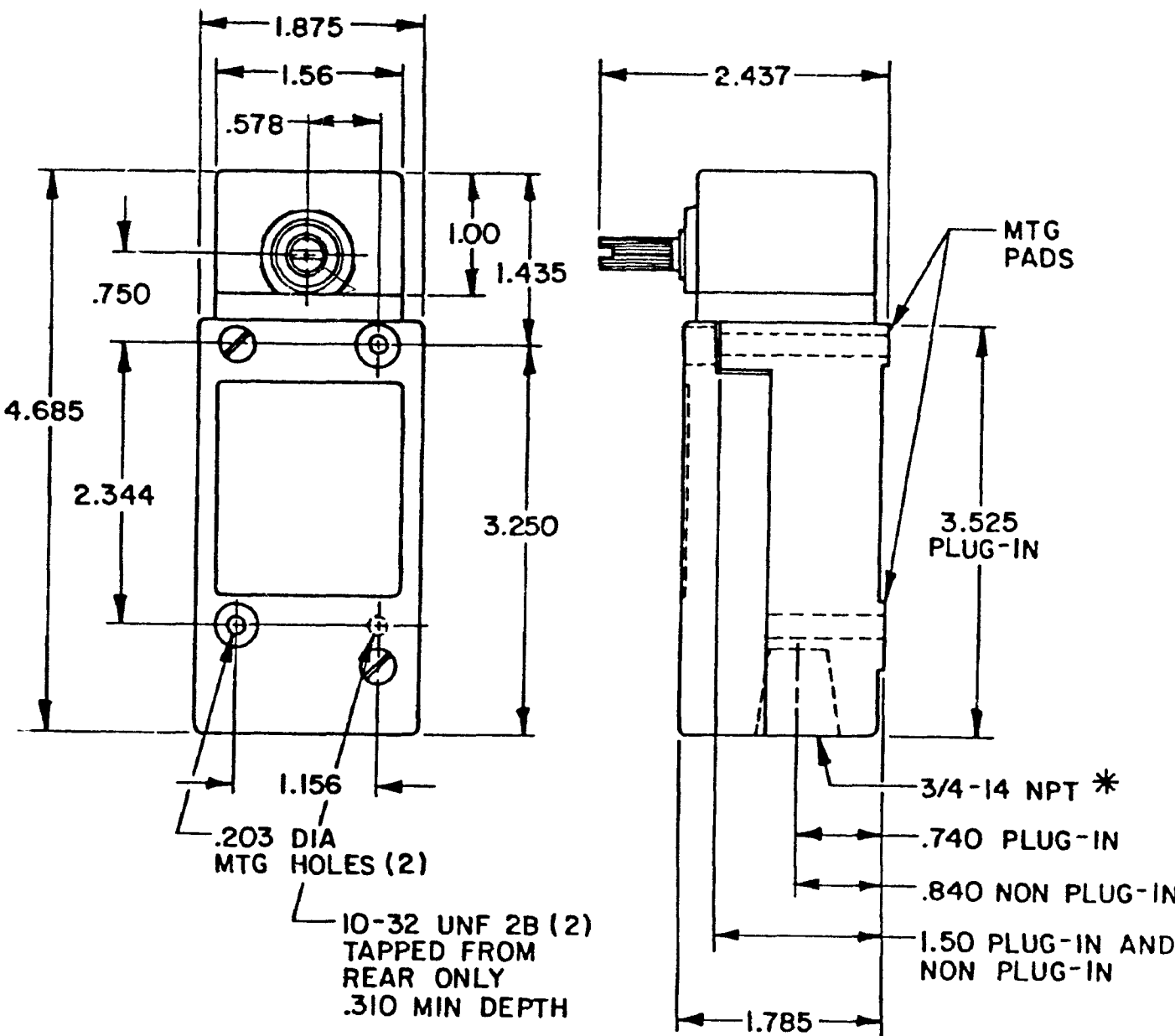


CATALOG LISTING		M LSA-LSW SERIES CHART 1	
ISSUE	NO	PAGE 1	OF 10
12	121194	PSR	121194
12	121194	CHECK	121194
12	121194	RELEASE	NO 78498
12	121194	REPLACES	LSA-LSW SERIES

REVIEWS		M LSA-LSW SERIES CHART 1	
ISSUE	NO	PAGE 1	OF 10
12	121194	PSR	121194
12	121194	CHECK	121194
12	121194	RELEASE	NO 78498
12	121194	REPLACES	LSA-LSW SERIES

DOUBLE POLE



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

SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP

1.900

.180 X .400 LENS
(FLUSH WITH HOUSING)

This diagram shows a side view of a single pole plug-in unit. It features a rectangular housing with a central window. A dimension line on the left indicates a height of 1.900. At the bottom of the housing, there is a small rectangular lens. A callout points to this lens with the text ".180 X .400 LENS (FLUSH WITH HOUSING)". The top of the unit has a plug-in connector with two terminals, one of which is labeled with a circled 'E'. The bottom of the unit has two mounting holes, one of which is labeled with a circled 'E'.

OPERATING DATA-SIDE ROTARY

INITIAL POSITION

P.T.

O.T.

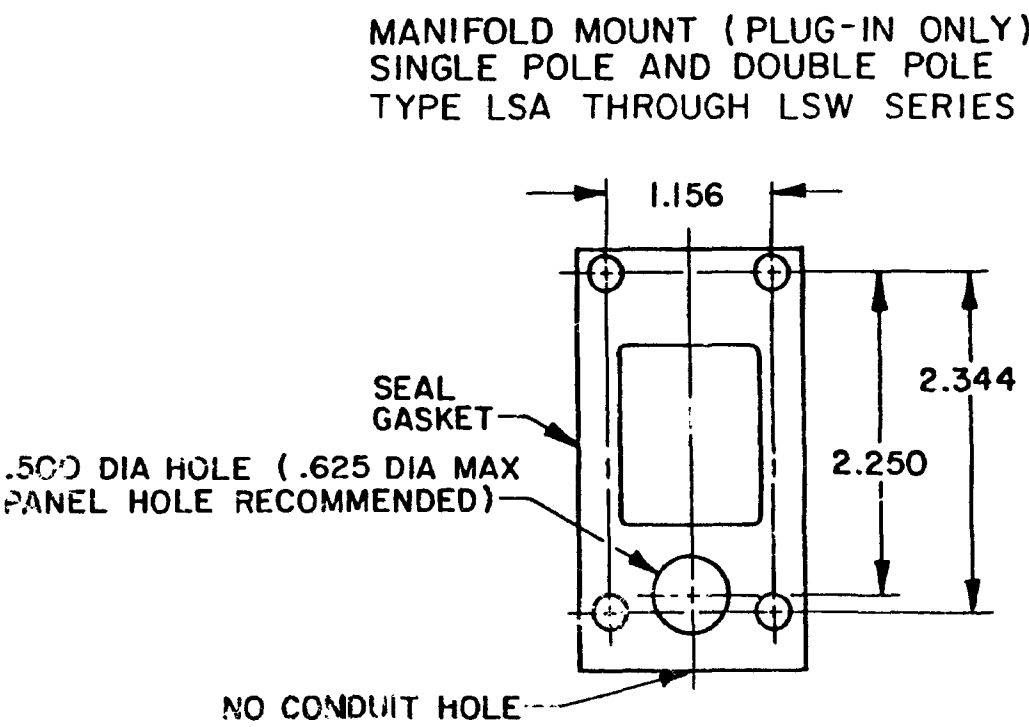
D.T.

R.T.

DIFFERENTIAL TRAVEL

OVERTRAVEL

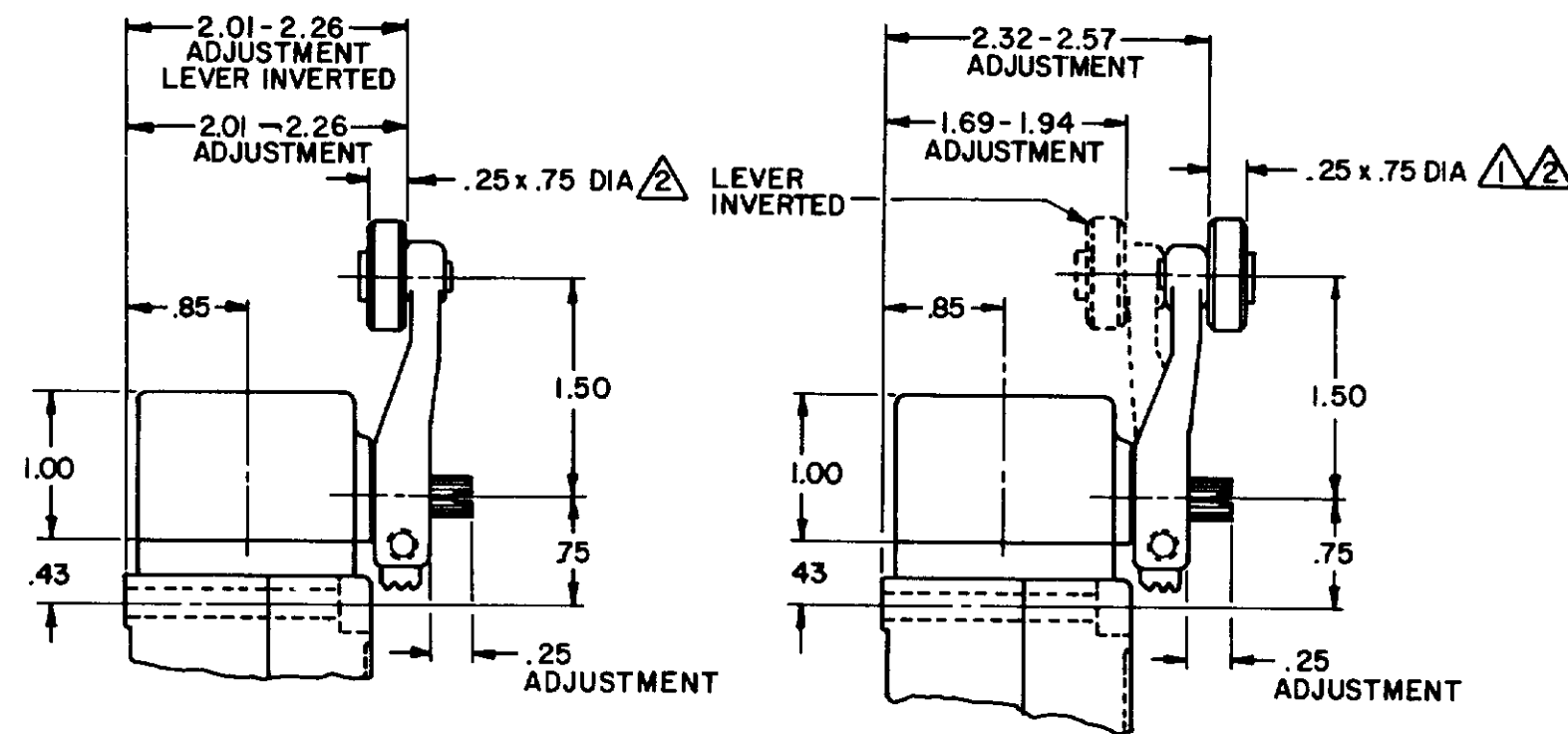
RELEASE TRAVEL



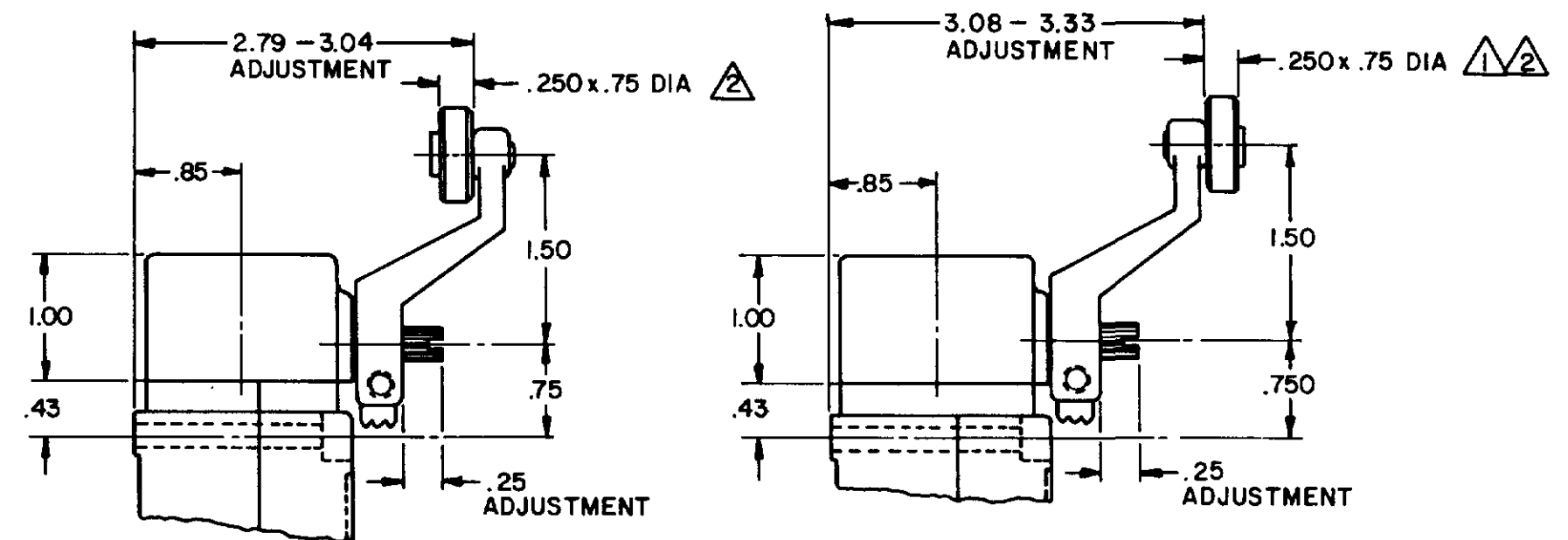
THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.		
MICRO SWITCH A Honeywell Division FED. MFG. CODE 91929	SWITCH - ENCLOSED	CATALOG LISTING
		LSA-LSW SERIES CHART 1

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		

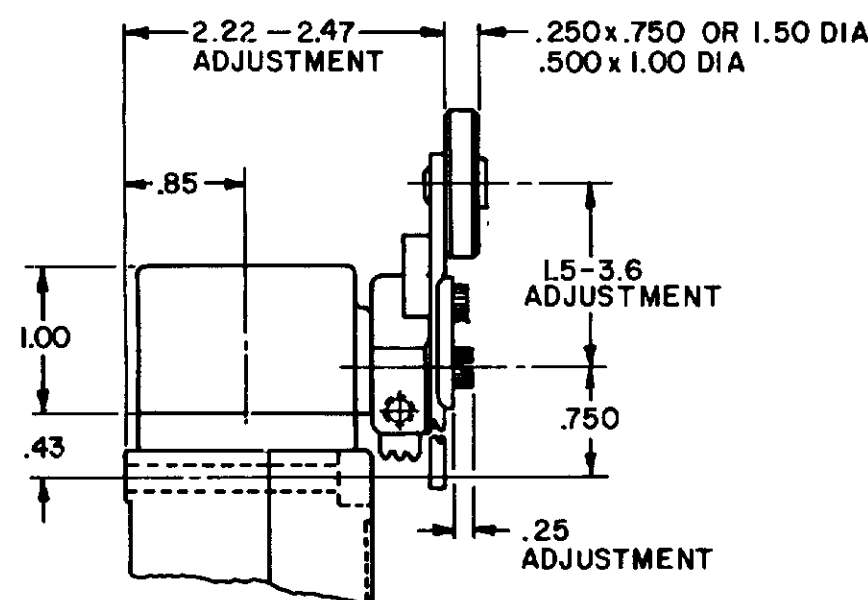
SIDE ROTARY CAM TRACKING



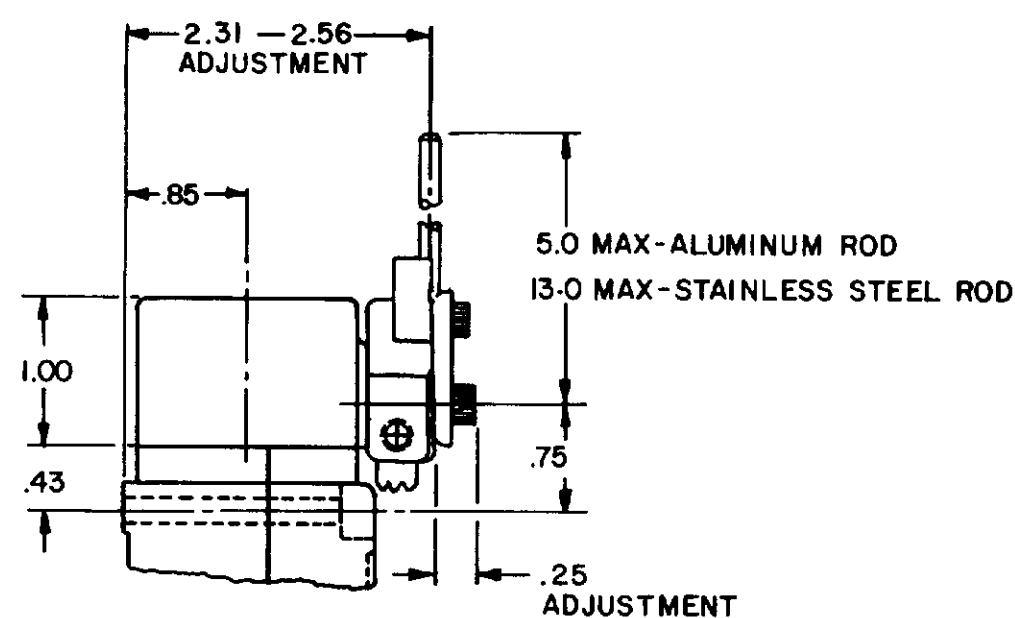
LSZ51 TYPE LEVERS



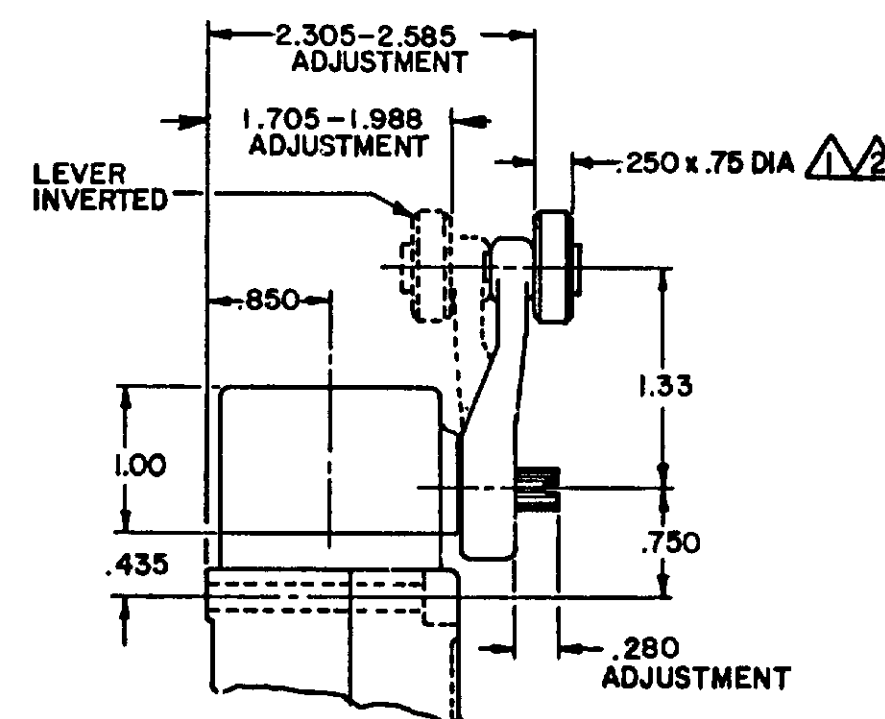
LSZ55 TYPE LEVERS



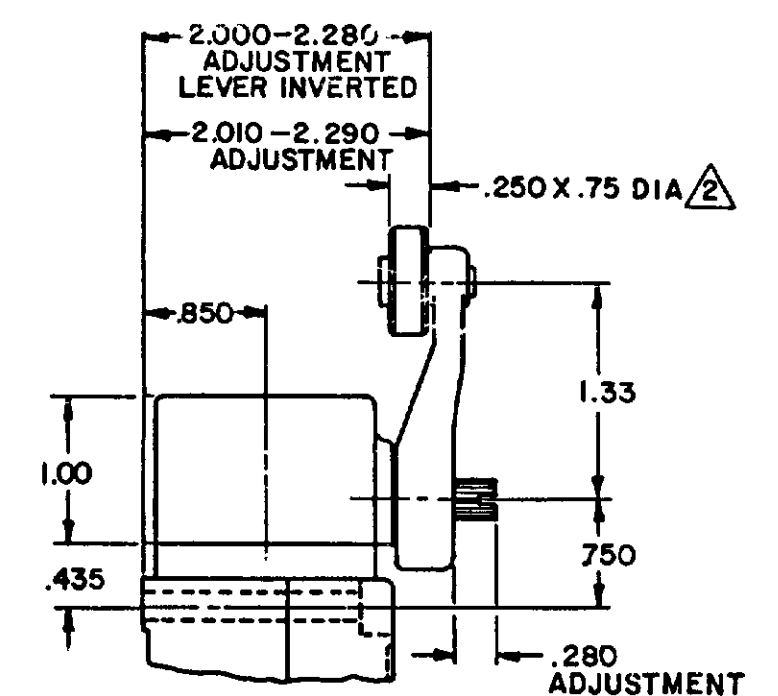
LSZ52 TYPE LEVER



LSZ54 TYPE LEVER



OPEN MOUNTED ROLLER



CLOSED MOUNTED ROLLER

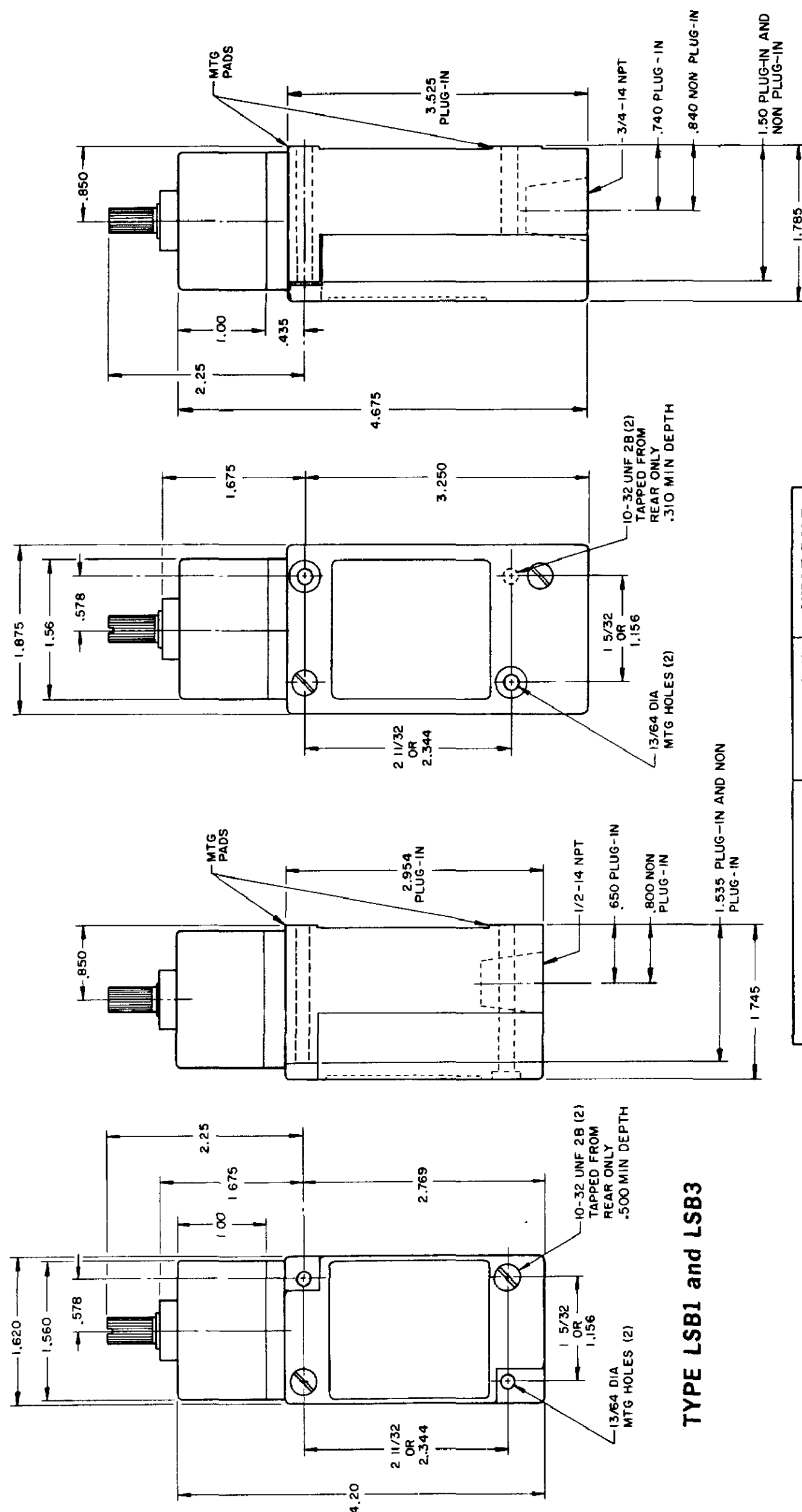
LSZ59 TYPE LEVERS

- 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

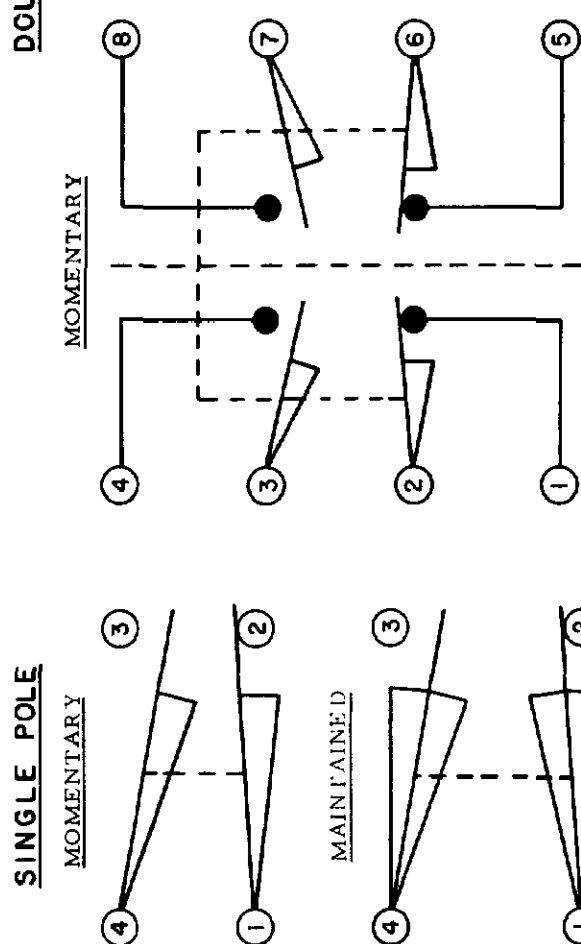
VOLTAGE	
5 AC OR DC MIN	01 AMP MIN
600 AC	720 VA
240 DC	30 WATT

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

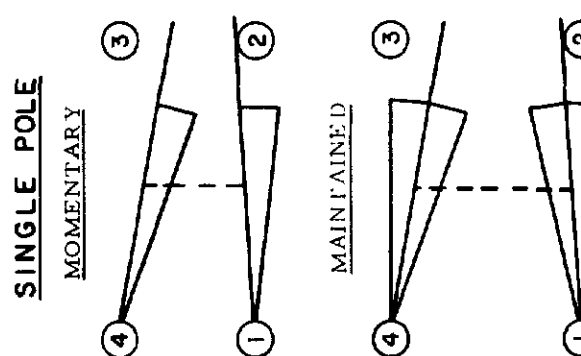
D. C. VOLTAGE	MAKE AND BREAK AMPS	
	INDUCTIVE	RESISTIVE
30	4.2	4.2
120	1.1	1.1
240	.55	.55

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

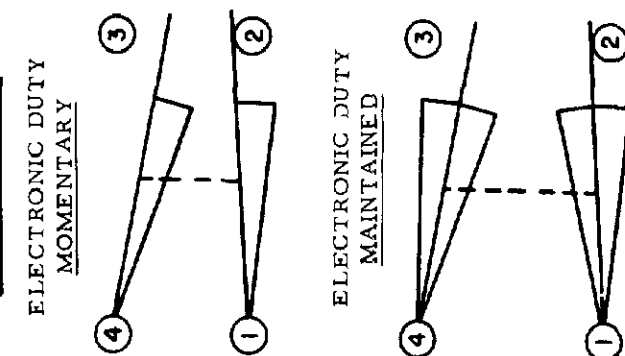
DOUBLE POLE



SINGLE POLE



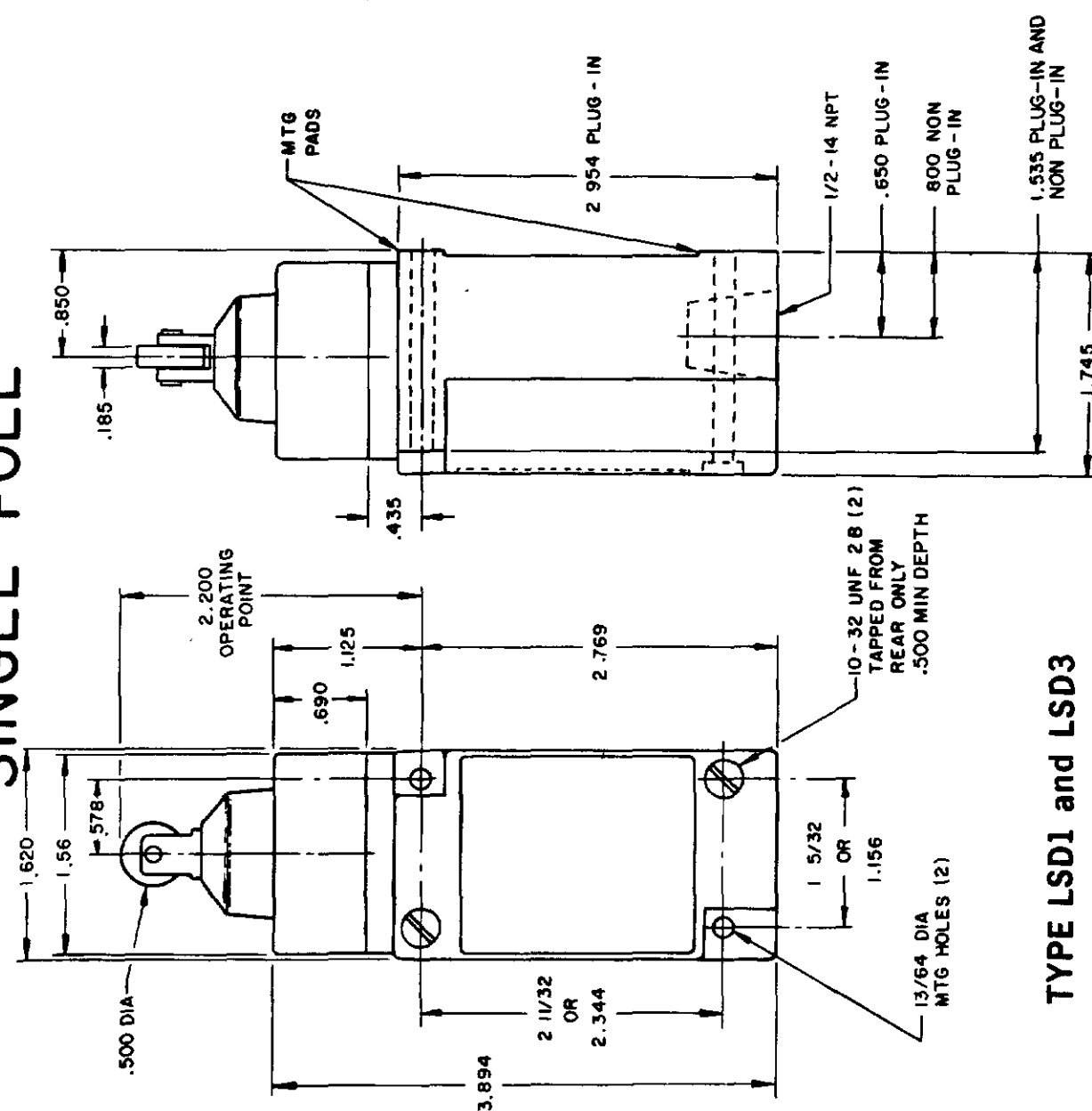
SINGLE POLE



DIRECT ACTING

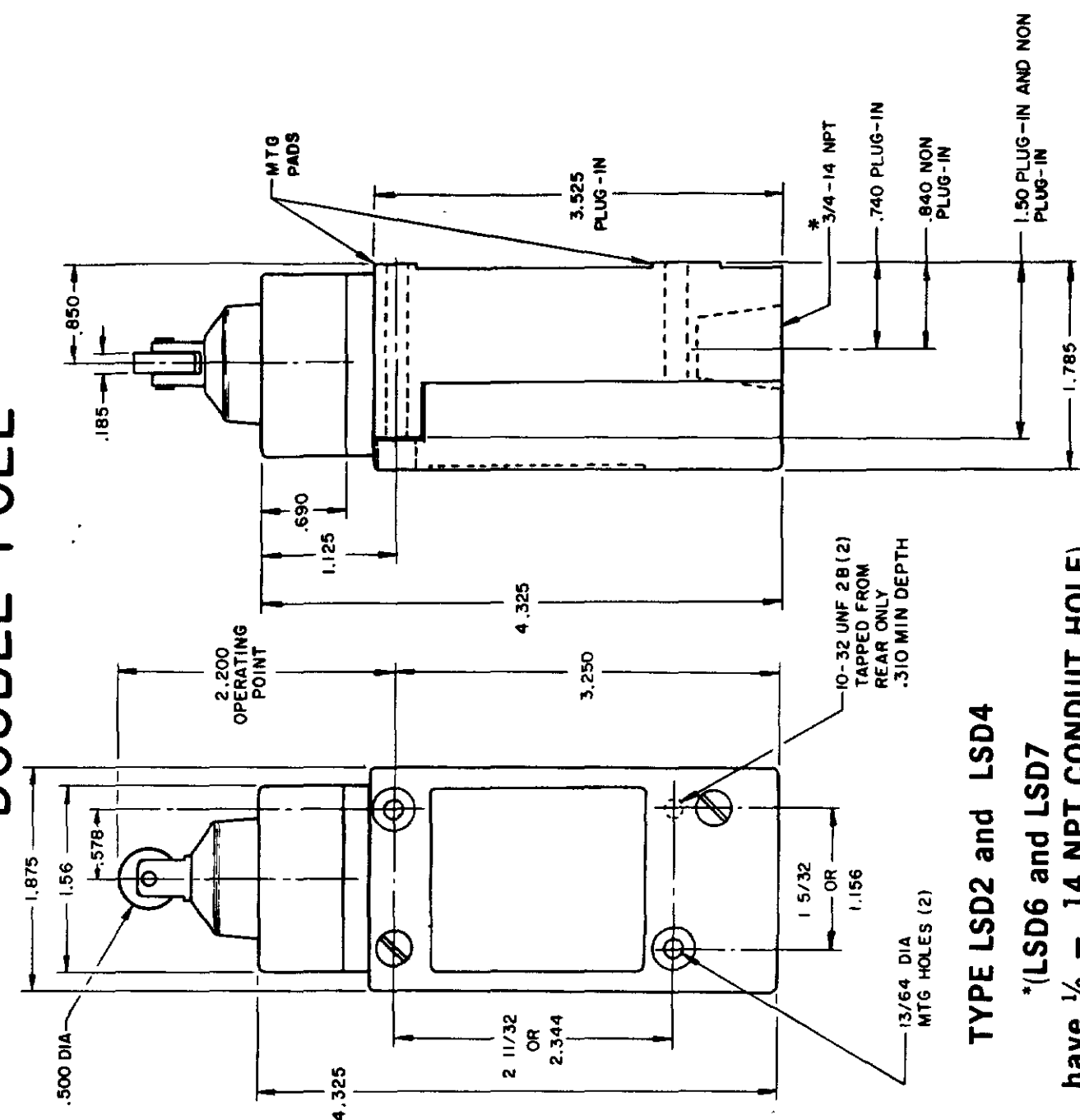


SINGLE POLE



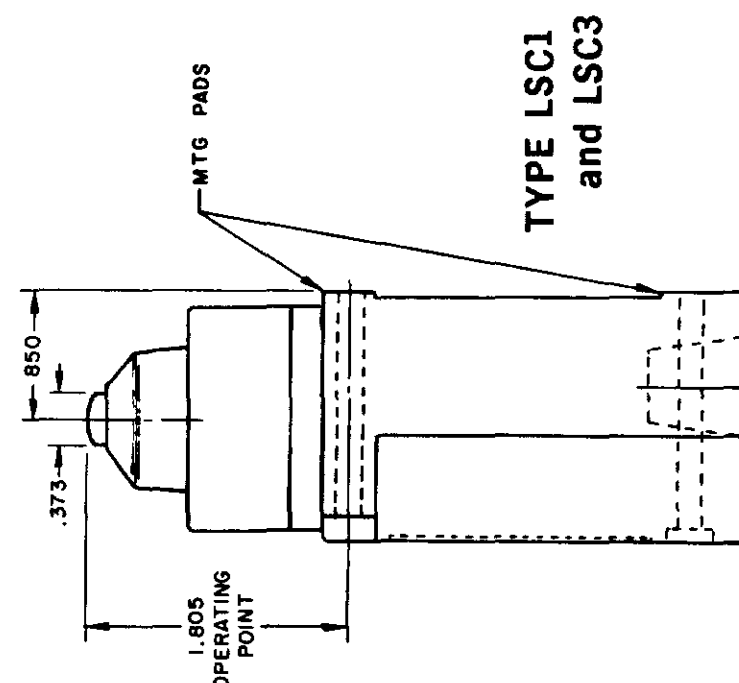
TYPE LSD1 and LSD3

DOUBLE POLE

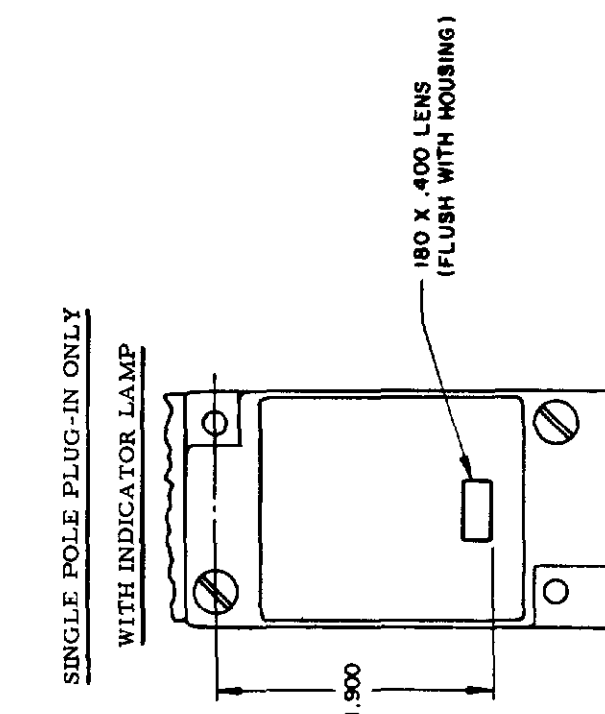


TYPE LSD2 and LSD4

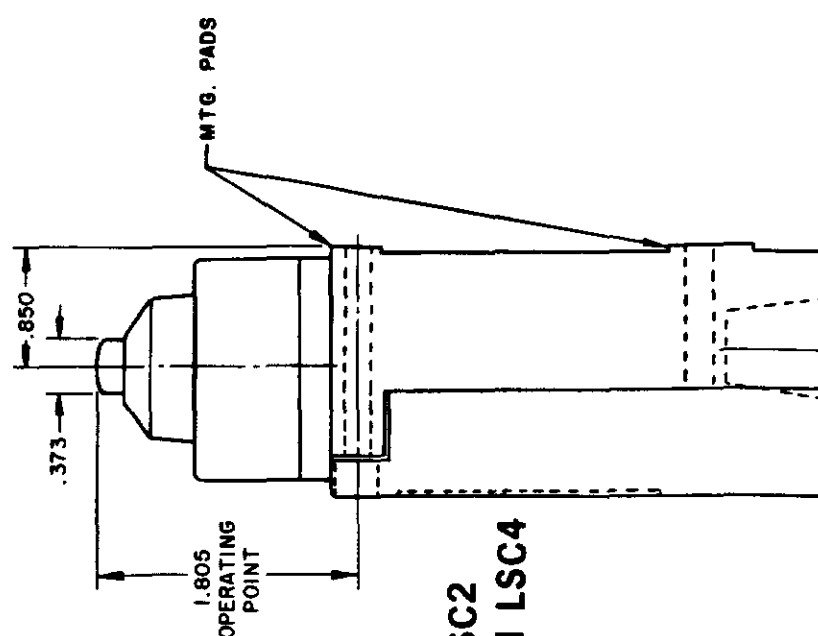
*(LSD6 and LSD7 have 1/2 - 14 NPT CON



TYPE LSC1 and LSC3

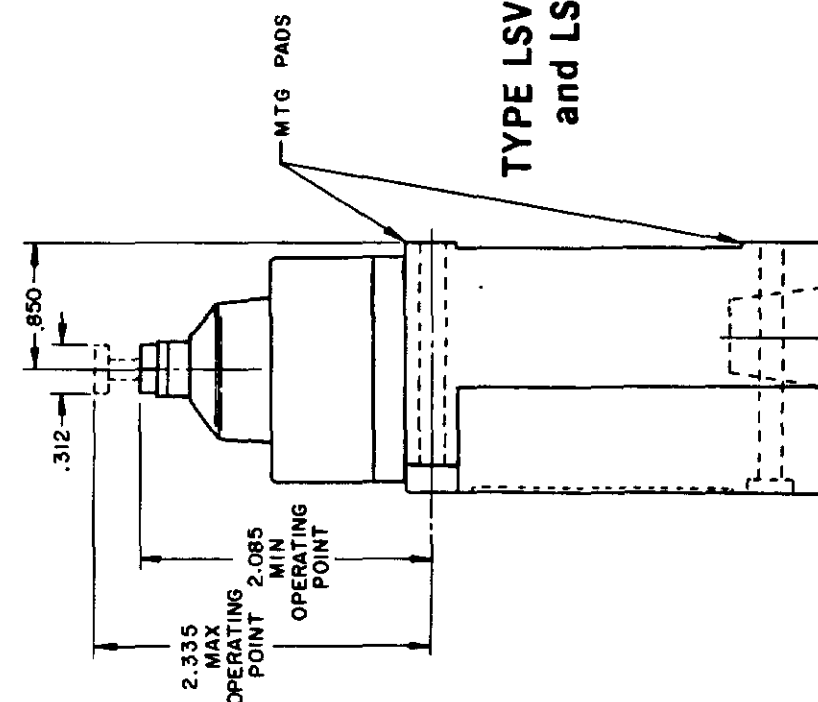


**TYPE LSC2
and LSC4**

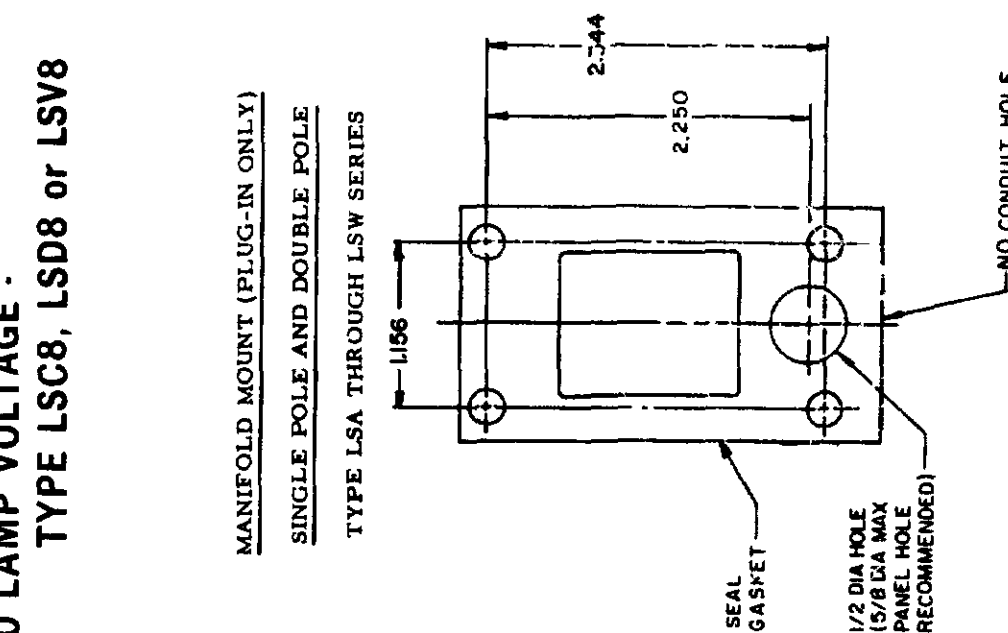


**120 LAMP VOLTAGE -
TYPE LSC5, LSD5 or LSV5**

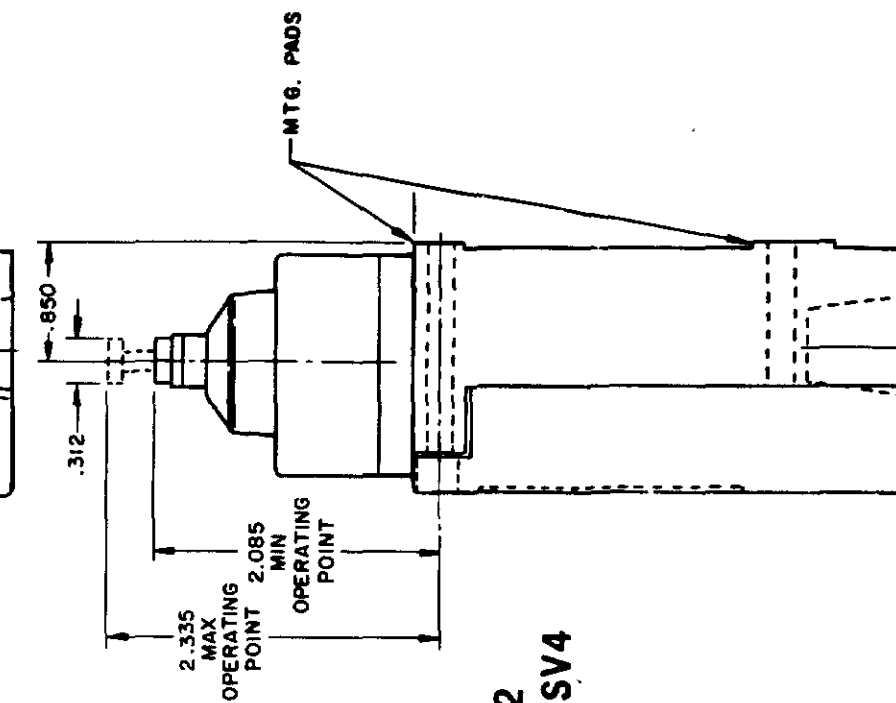
**240 LAMP VOLTAGE .
TYPE LSC8, LSD8 or LSV8**



**TYPE LSV1
and LSV3**



**TYPE LSV2
and LSV4**



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MICRO SWITCH
a Honeywell Division

FED MFG CODE 91929

SWITCH - ENCLOSED

CATALOG LISTING

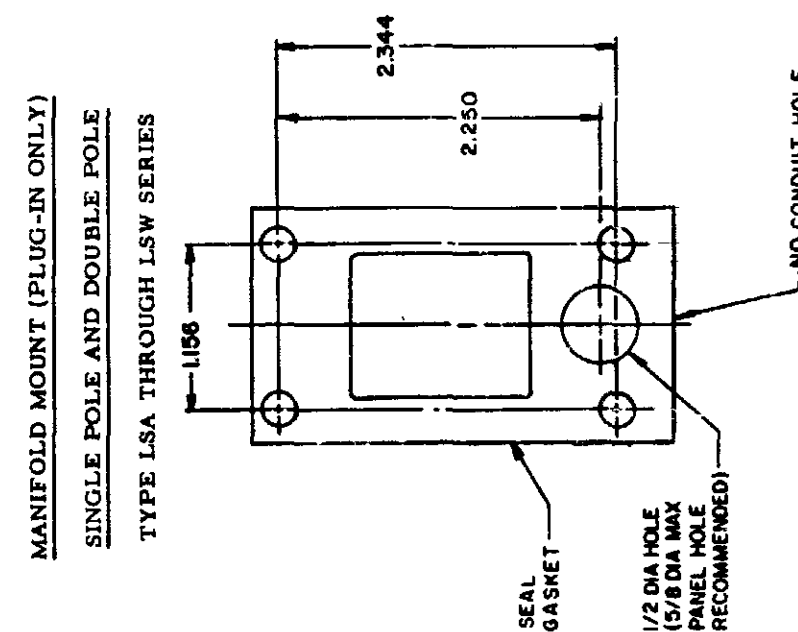
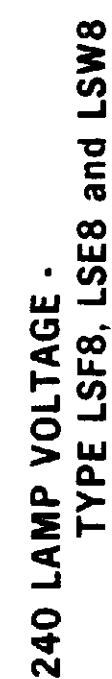
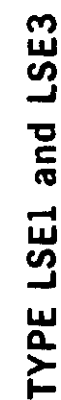
LSA-LSW SERIES

PAGE 4 OF 10

SCALE NONE

DO NOT SCALE PRINT

SINGLE POLE DOUBLE POLE



FED MFG CODE 91929

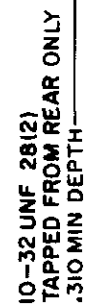
CATALOG LISTING

LSA-LSW SERIES

CHART 1

SCALE NONE

DO NOT SCALE PRINT



TYPE LSG1 and LSG3

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

OPERATING POINT GIVEN
IN RELATION TO TOP
MOUNTING HOLE

SIDE	PLUNGER	TYPES
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
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35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
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89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

PAGE 6 OF 10

SWITCH - ENCLOSED

CATALOG LISTING

LSA-LSW SERIES

CHART 1

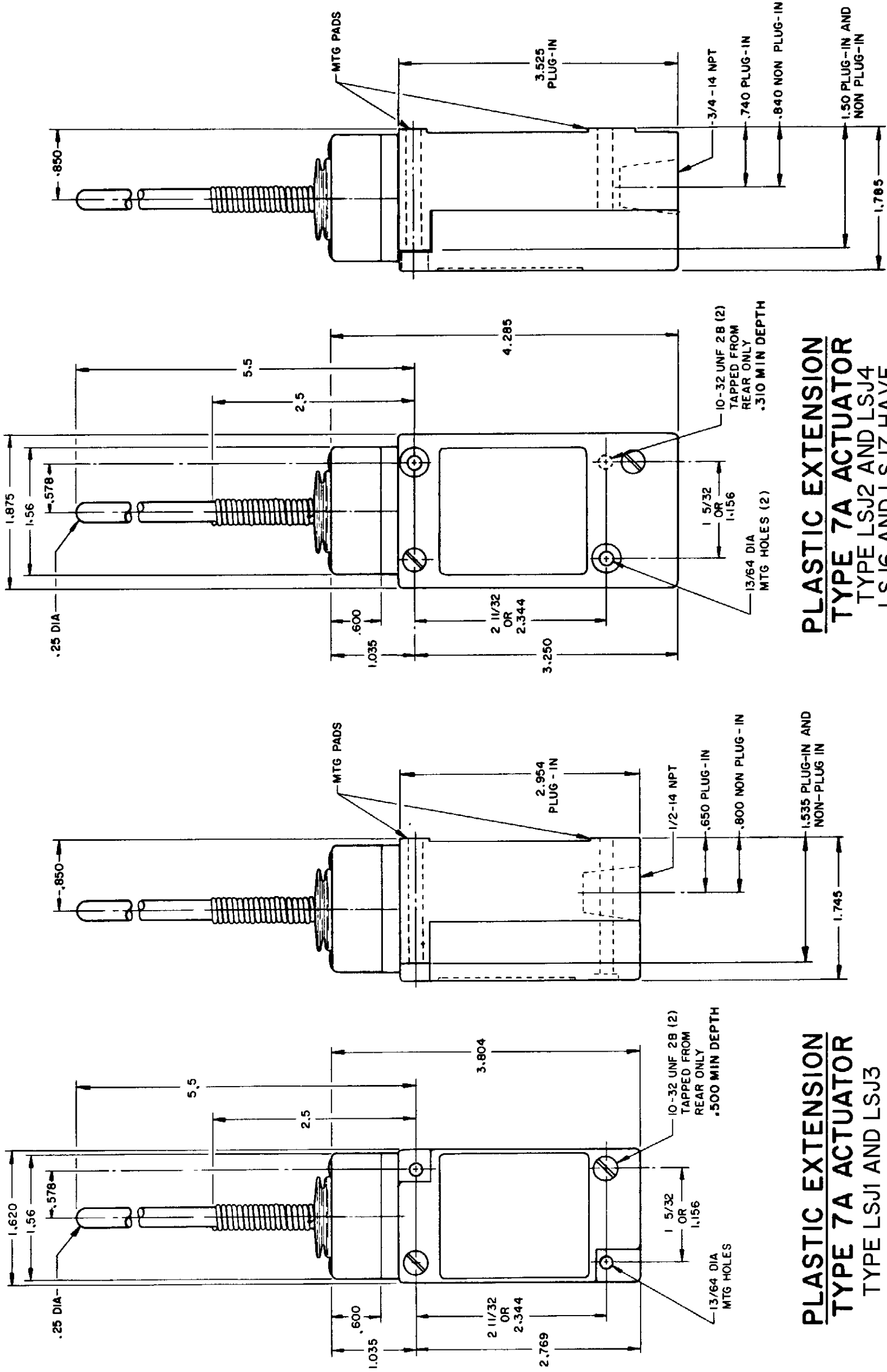
SCALE		NONE	
DO NOT SCALE PRINT			
UNLESS			
DIMENSIONS ARE IN INCHES			
TOLERANCES			
ONE PLACE	(.0)	±	
TWO PLACE	(.00)	±	
THREE PLACE	(.000)	±	
ANGLES		±	
WEIGHT			

REVISIONS	DATE	BY	CHKD	APPD
L 0031956	10 JUL 07	BS		
B 201004	10 AUG 00	CST		
C 201748	17 NOV 00	CST		
D 202198	23 JAN 01	CST		
E 204871	11 JUL 94	AK		
F 206581	14 OCT 02	GLH		
G 206763	31 OCT 02	CST		
H 207179	14 JAN 03	GLH		
J 207474	18 FEB 03	SP		
K 0006871	11 AUG 04	RR		

ISSUE	CATALOG LISTING	RELEASE NO	CO-78498	REPLACES	LSA-LSW SERIES
12	LSA-LSW SERIES CHART 1	10 JUL 07			
PSR	10 JUL 07	CHECK			

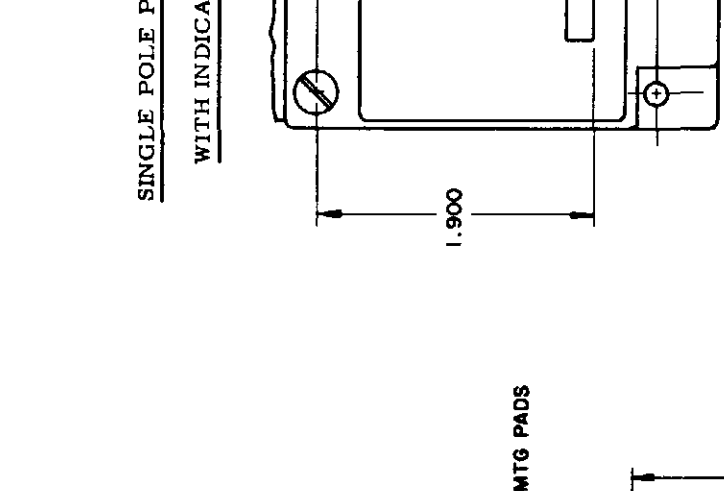
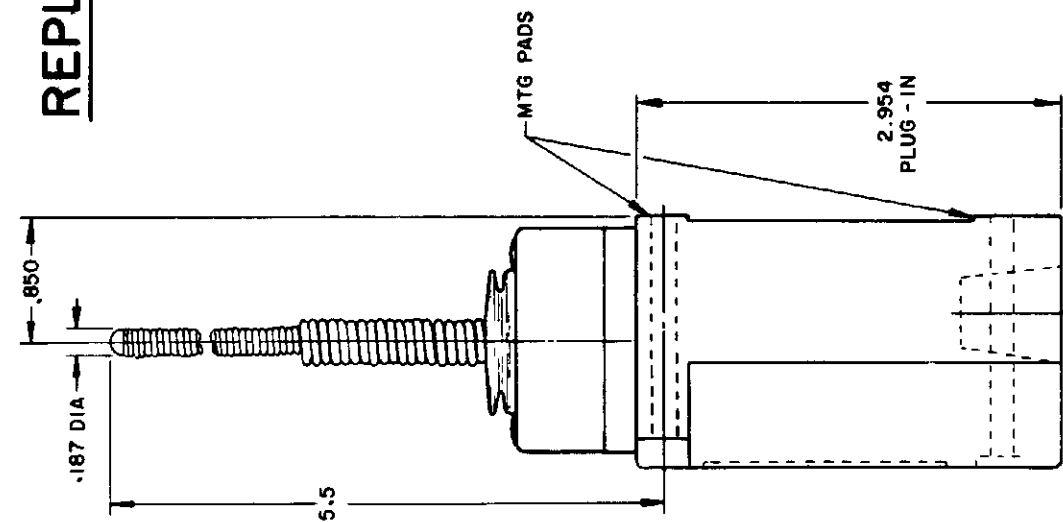
MAKER	DATE	BY	CHKD	APPD
MAM	15 JUN 94	JAF		

WOBBLE STICK DOUBLE POLE SINGLE POLE



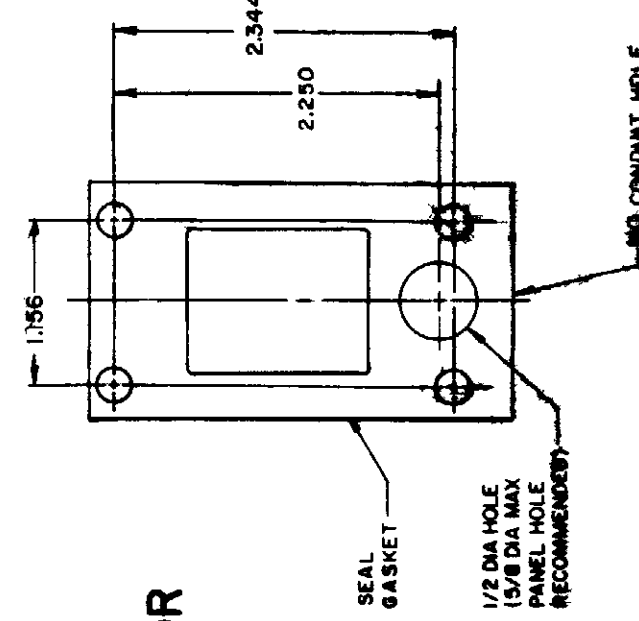
PLASTIC EXTENSION
TYPE 7A ACTUATOR
 TYPE LSJ2 AND LSJ4
 LSJ6 AND LSJ7 HAVE
 1/2 - 14 NPT CONDUIT HOLE

REPLACEMENT ACTUATOR
LSZ-4009



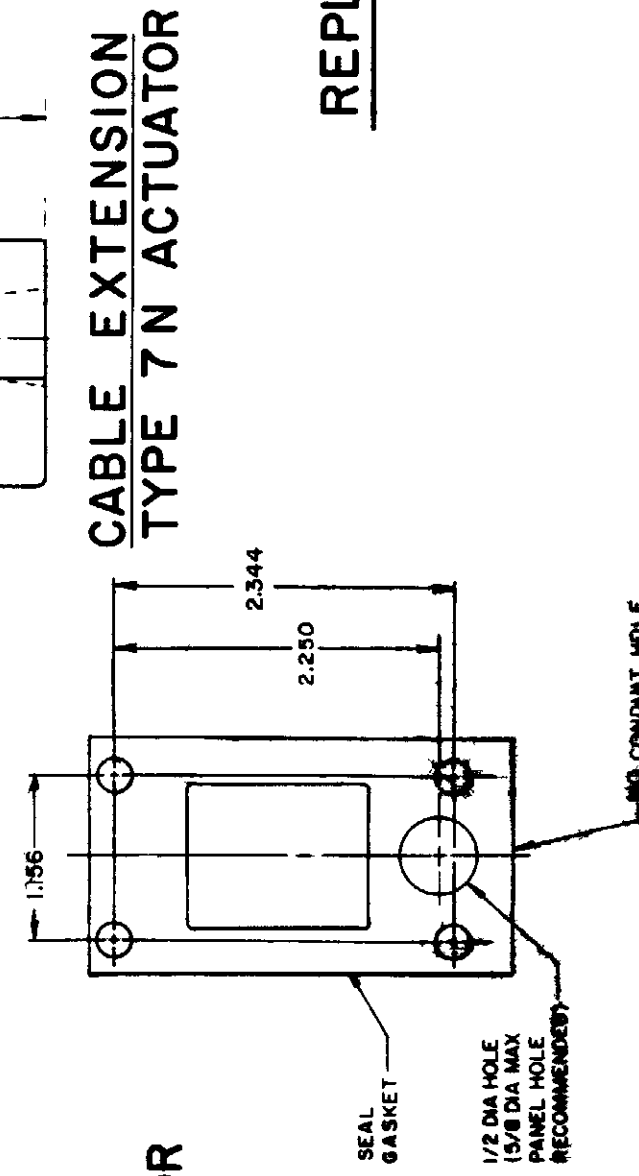
120 LAMP VOLTAGE TYPE LSJ5
 240 LAMP VOLTAGE TYPE LSJ8
 24 LED VOLTAGE TYPE LSJ9

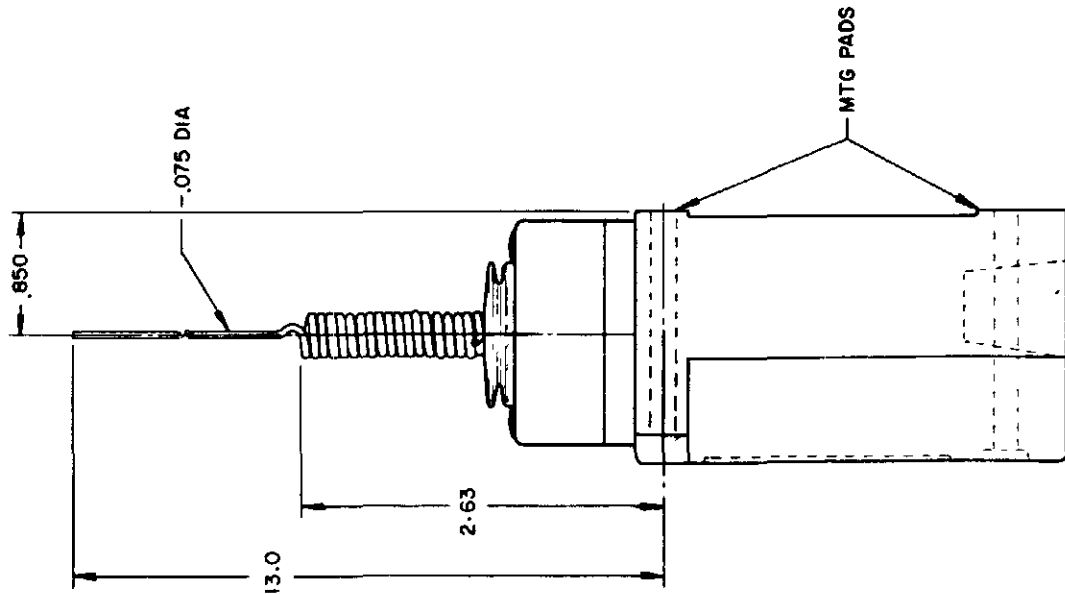
CABLE EXTENSION
TYPE 7N ACTUATOR



CABLE EXTENSION
TYPE 7N ACTUATOR

REPLACEMENT ACTUATOR
LSZ-4011

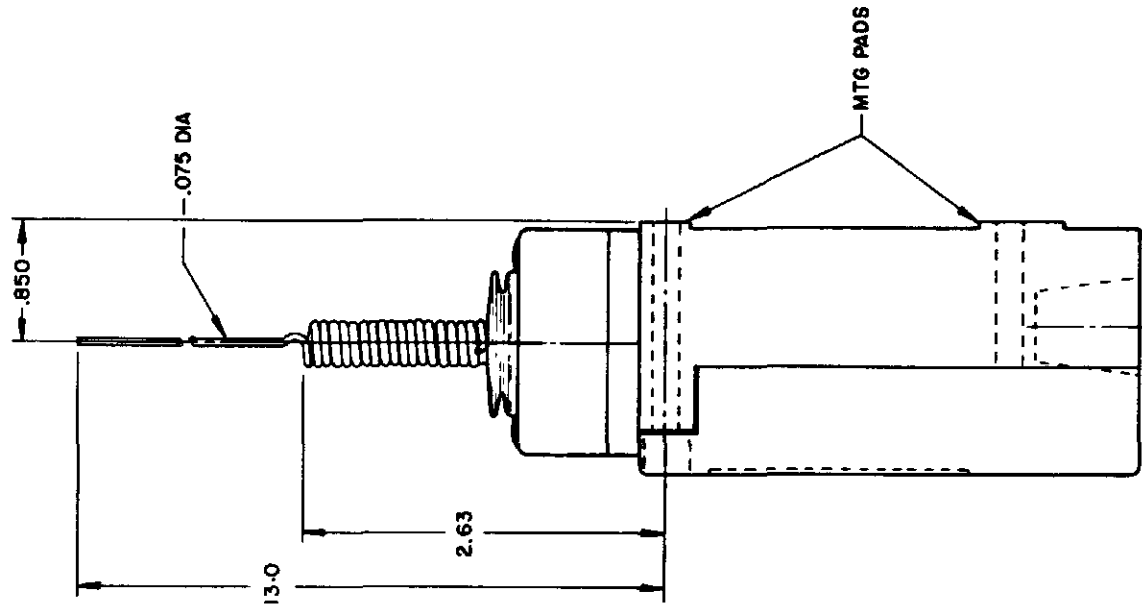




WIRE EXTENSION TYPE 7M ACTUATOR

TYPE LSJ1 and LSJ3

REPLACEMENT ACTUATOR - LSZ 4010

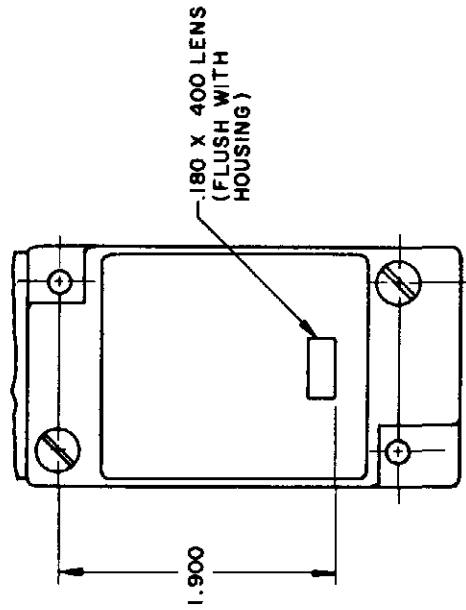


WIRE EXTENSION TYPE 7M ACTUATOR

TYPE LSJ2 and LSJ4

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

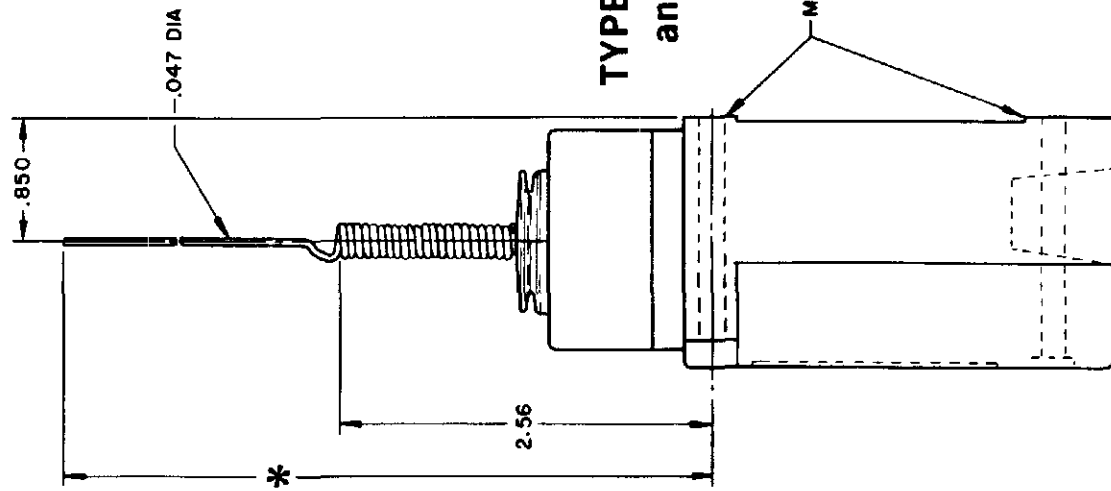
SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP



120 LAMP VOLTAGE TYPE LSJ5
240 LAMP VOLTAGE TYPE LSJ8

CAT WHISKER

SINGLE POLE

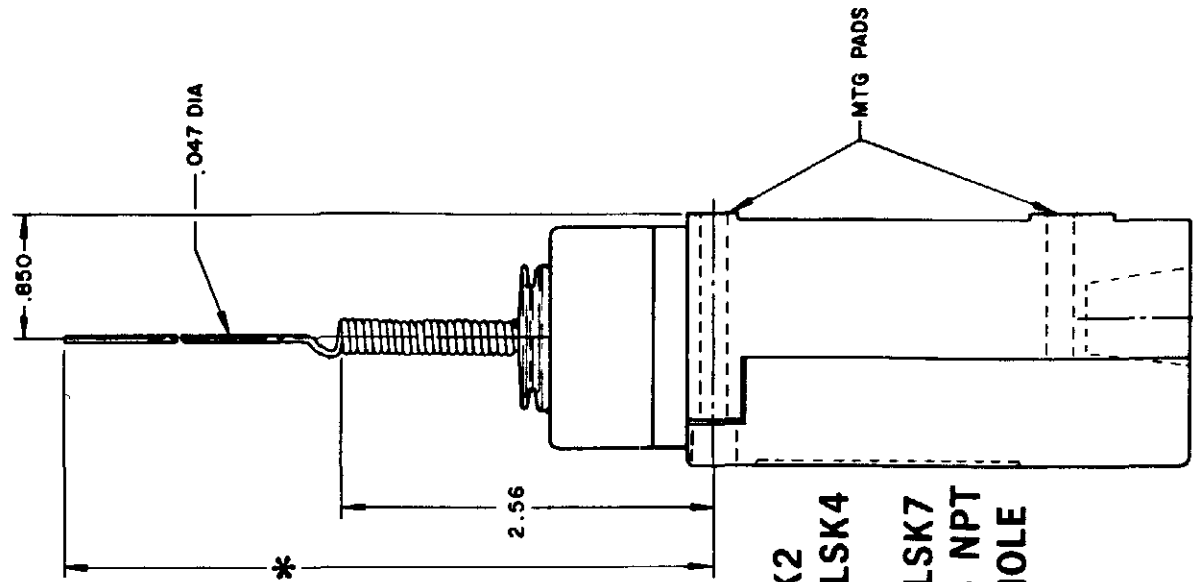


TYPE LSK1
and LSK3

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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FED MFG CODE 91929

SWITCH - ENCLOSED

CATALOG LISTING
LSA-LSW SERIES
CHART 1

PAGE 8 OF 10

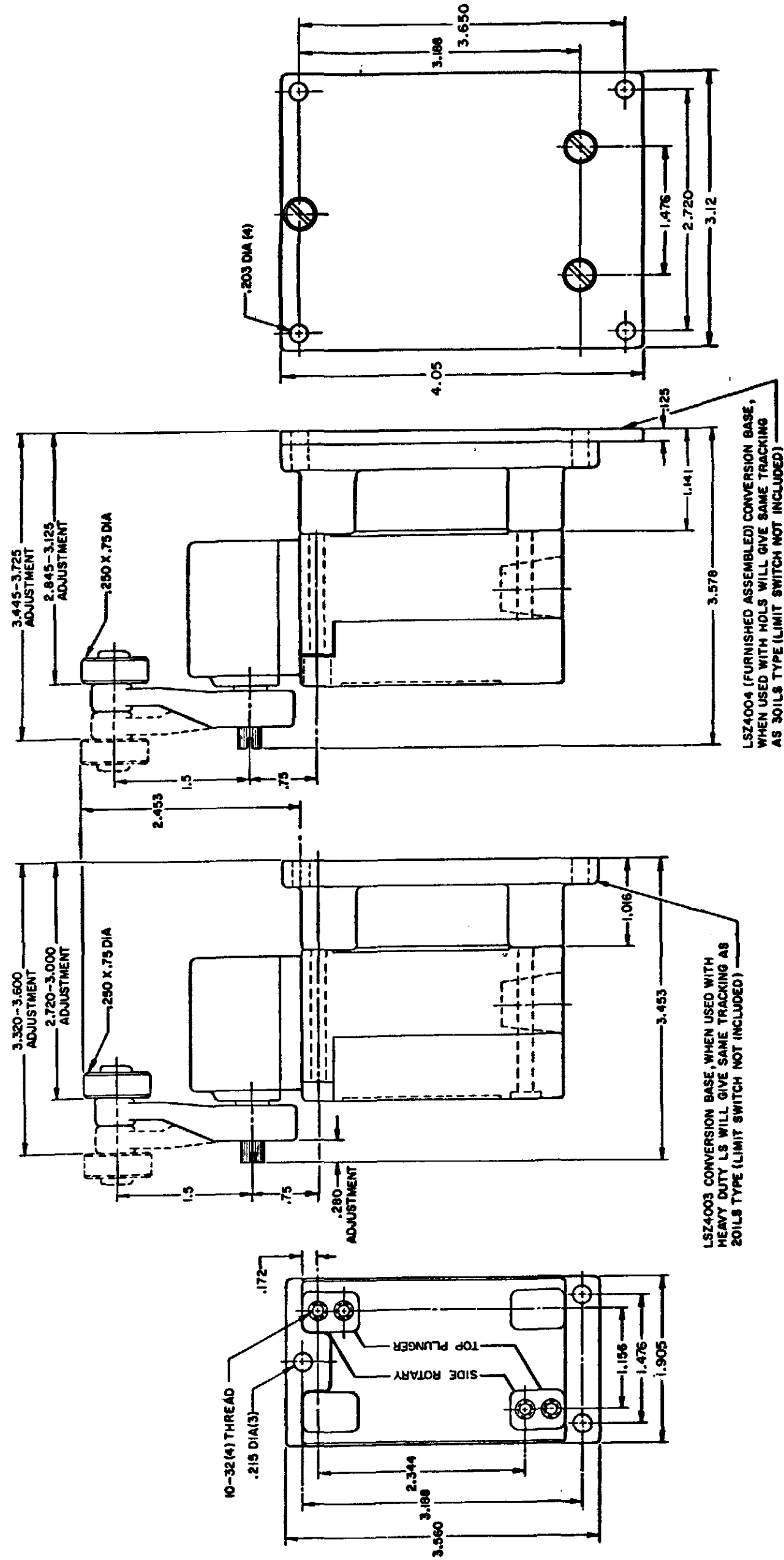
SCALE NONE
DO NOT SCALE PRINT

PRETRAVEL (APPROX) IN. RADIUS	CAT. WHISKER		WOBBLE STICK	
	5/16" COIL	5/16" WIRE	7/16" WIRE	7/16" WIRE
	2	2	4.5	4.0
OPERATING FORCE-OZ (MAX)	7.0		10.0	5.0
	5.0		3.0	7.0

CONVERSION BASES

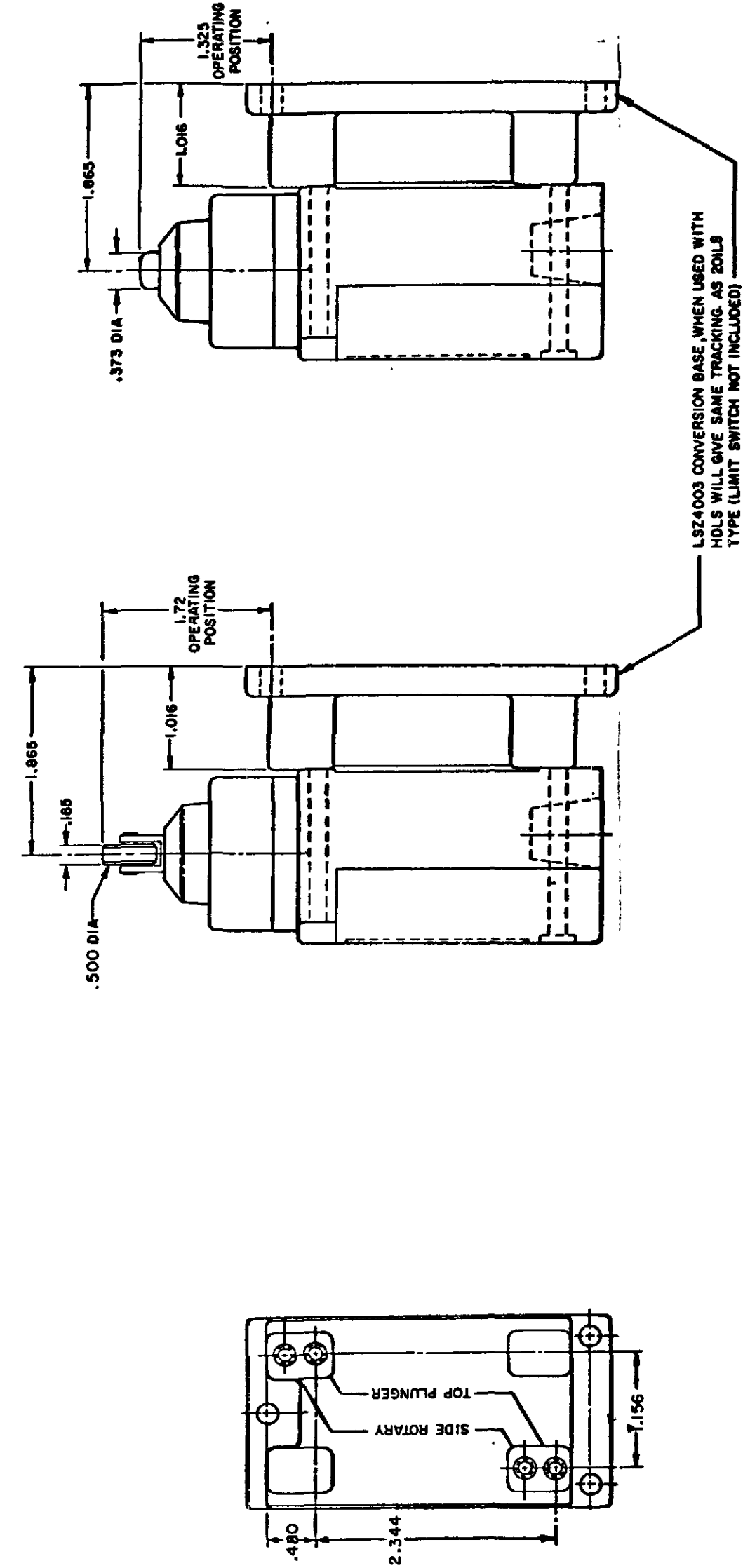
SINGLE POLE (SIDE ROTARY) LSZ 4003

**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 OIL	CRUDE OIL	SUNSAFE	BEER	STODDARD SOLV.	CHLORINATED SOLVENTS	CITRIC ACID	DI-ESTER SYN. LUBRICANTS	OZONE	PYDRAUL	PROGUARD	PETROL 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.

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