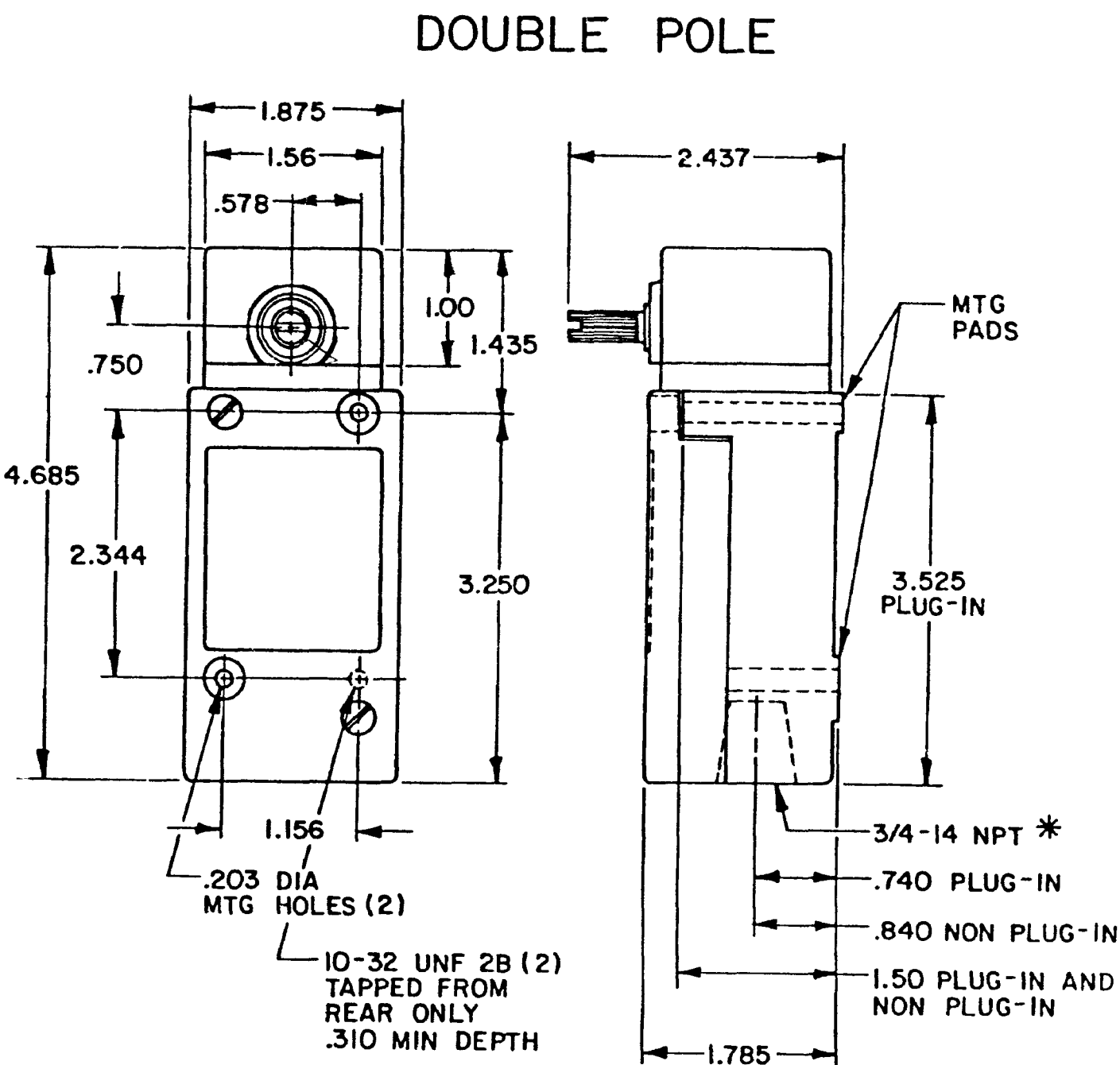


CATALOG LISTING		ISSUE		12		12		PAGE 1 OF 10		M		LSA-LSW SERIES CHART 1	
RASTER		DRAWN		REVISONS		CHECK		PSR		RELEASE NO		CO-78498 REPLACES LSA-LSW SERIES	
				L 0031966		11/01/07		11/01/07		10/01/07			
				B 201004		10/01/07		10/01/07		10/01/07			
				40 201004		10/01/07		10/01/07		10/01/07			
				C 201748		10/01/07		10/01/07		10/01/07			
				47 201004		10/01/07		10/01/07		10/01/07			
				D 202198		10/01/07		10/01/07		10/01/07			
				E 202198		10/01/07		10/01/07		10/01/07			
				F 202198		10/01/07		10/01/07		10/01/07			
				G 202198		10/01/07		10/01/07		10/01/07			
				H 202198		10/01/07		10/01/07		10/01/07			
				I 202198		10/01/07		10/01/07		10/01/07			
				J 202198		10/01/07		10/01/07		10/01/07			
				K 00006871		10/01/07		10/01/07		10/01/07			
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				M 00006871		10/01/07		10/01/07		10/01/07			
				N 00006871		10/01/07		10/01/07		10/01/07			
				O 00006871		10/01/07		10/01/07		10/01/07			
				P 00006871		10/01/07		10/01/07		10/01/07			
				Q 00006871		10/01/07		10/01/07		10/01/07			
				R 00006871		10/01/07		10/01/07		10/01/07			
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				T 00006871		10/01/07		10/01/07		10/01/07			
				U 00006871		10/01/07		10/01/07		10/01/07			
				V 00006871		10/01/07		10/01/07		10/01/07			
				W 00006871		10/01/07		10/01/07		10/01/07			
				X 00006871		10/01/07		10/01/07		10/01/07			
				Y 00006871		10/01/07		10/01/07		10/01/07			
				Z 00006871		10/01/07		10/01/07		10/01/07			



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

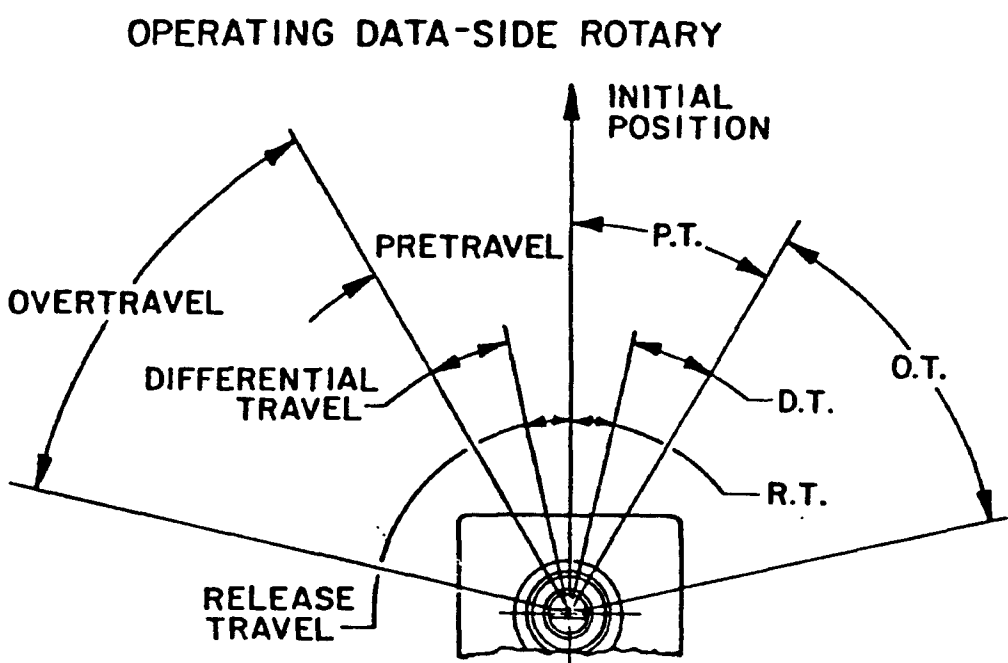
SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP

1.900

.180 X .400 LENS
(FLUSH WITH HOUSING)

The diagram shows a rectangular plug-in unit. A vertical dimension line on the left indicates a height of 1.900. A callout points to a small rectangular lens on the front face, labeled ".180 X .400 LENS (FLUSH WITH HOUSING)". The unit has mounting tabs at the top and bottom corners, each with a circular feature.

240 LAMP VOLTAGE -
TYPE LSA8, LSH8, LSN8, LSP8, LSR8



Technical drawing of a rectangular panel with the following dimensions and labels:

- Overall width: 1.156
- Overall height: 2.344
- Inner rectangular opening height: 2.250
- Labels:
 - SEAL GASKET (pointing to the top edge)
 - .500 DIA HOLE (.625 DIA MAX PANEL HOLE RECOMMENDED) (pointing to a hole in the top edge)
 - NO CONDUIT HOLE (pointing to a hole in the bottom edge)



THIRD ANGLE PROJECTION



SCALE NONE

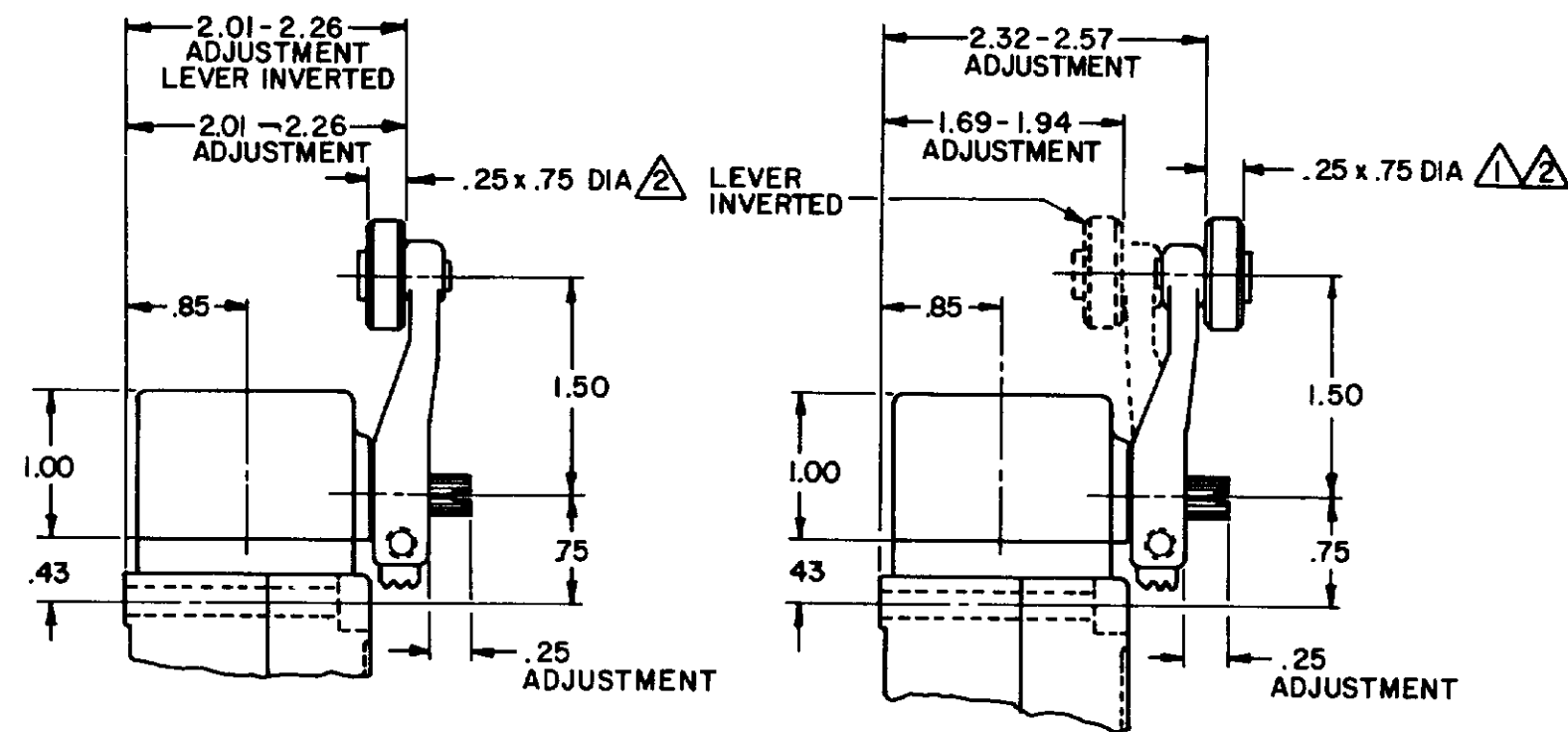
DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE

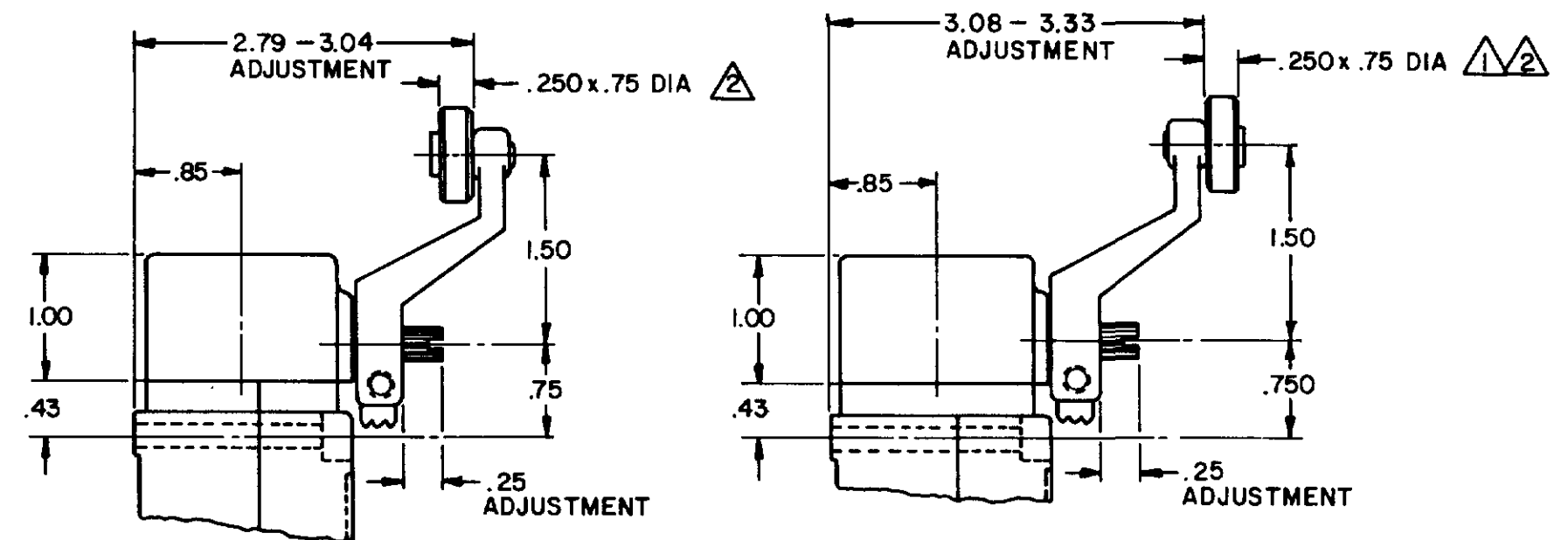
ONE PLACE	(.0)	±.030
TWO PLACES	(.00)	±.015
THREE PLACES	(.000)	±.005
ANGLES		±

WEIGHT

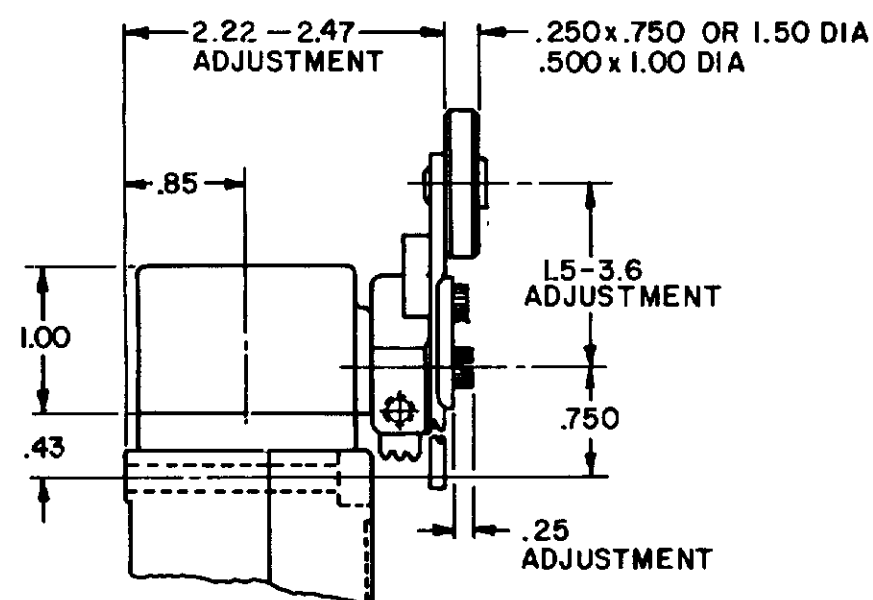
SIDE ROTARY CAM TRACKING



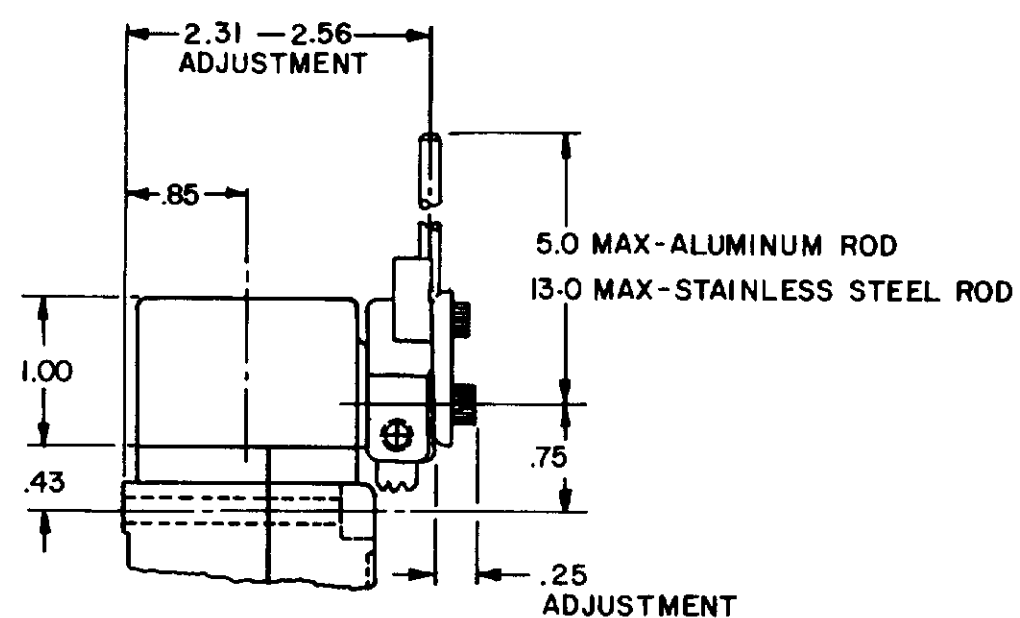
LSZ51 TYPE LEVERS



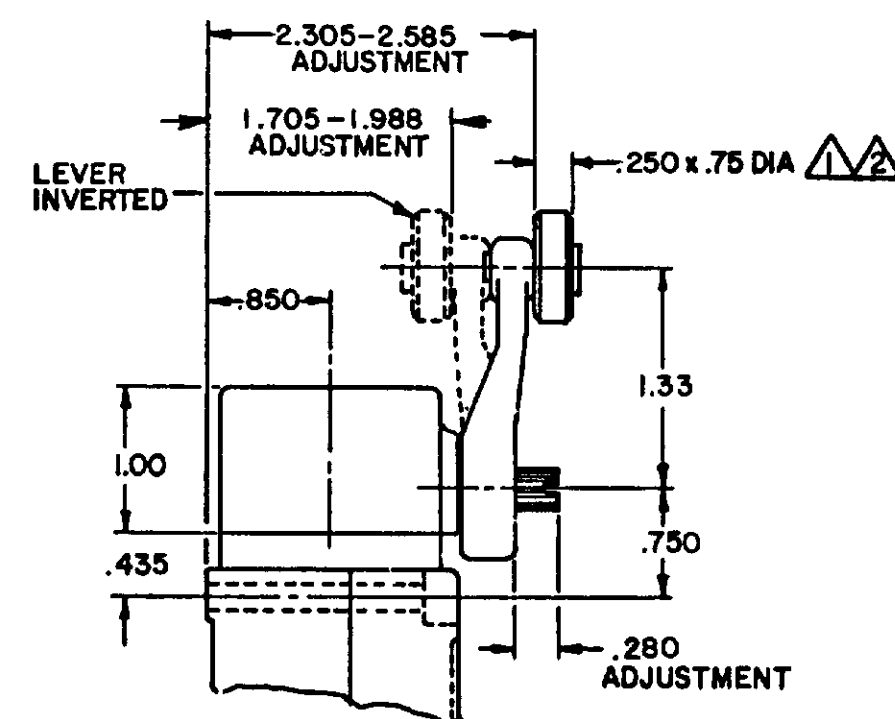
LSZ55 TYPE LEVERS



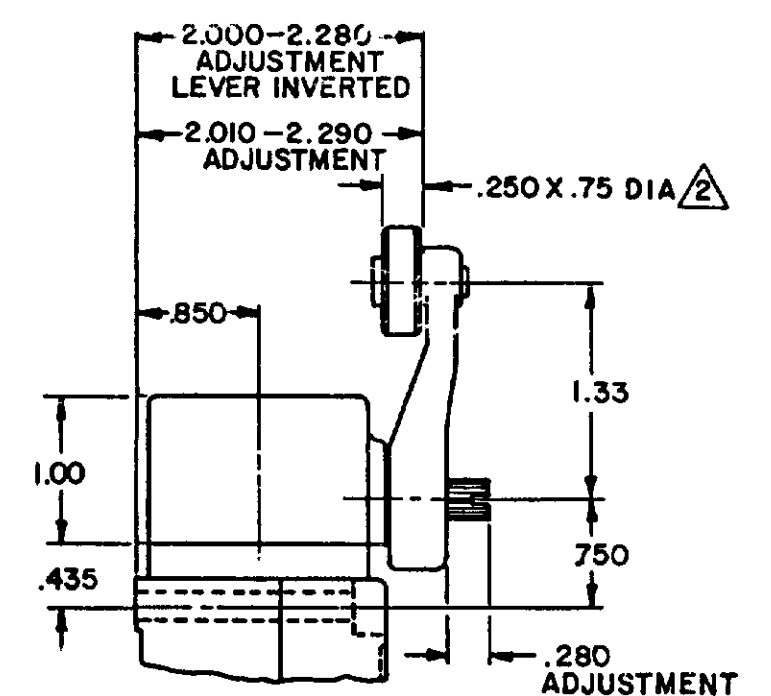
LSZ52 TYPE LEVER



LSZ54 TYPE LEVER



OPEN MOUNTED ROLLER



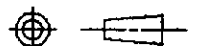
CLOSED MOUNTED ROLLER

LSZ59 TYPE LEVERS

NOTES

- 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

THIRD ANGLE PROJECTION



SCALE NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE

ONE PLACE (0) $\pm .030$

TWO PLACES	(.00)	$\pm .015$
------------	-------	------------

THREE PLACES (1.000) $\pm .005$

WEIGHT

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PAGE 2 OF 10

A-LSW SERIES
CHART 1

MICRO SWITCH
a Honeywell Division

FED MFG CODE 91929

SWITCH - ENCLOSED

CATALOG LISTING

ISSUE	12	M LSA-LSW SERIES CHART 1 PAGE 2 OF 10	CATALOG LISTING	PSR	10JUL07	RELEASE NO CO-78498	REPLACES LSA-LSW SERIES

[illegible]

RASTER

DRAWN

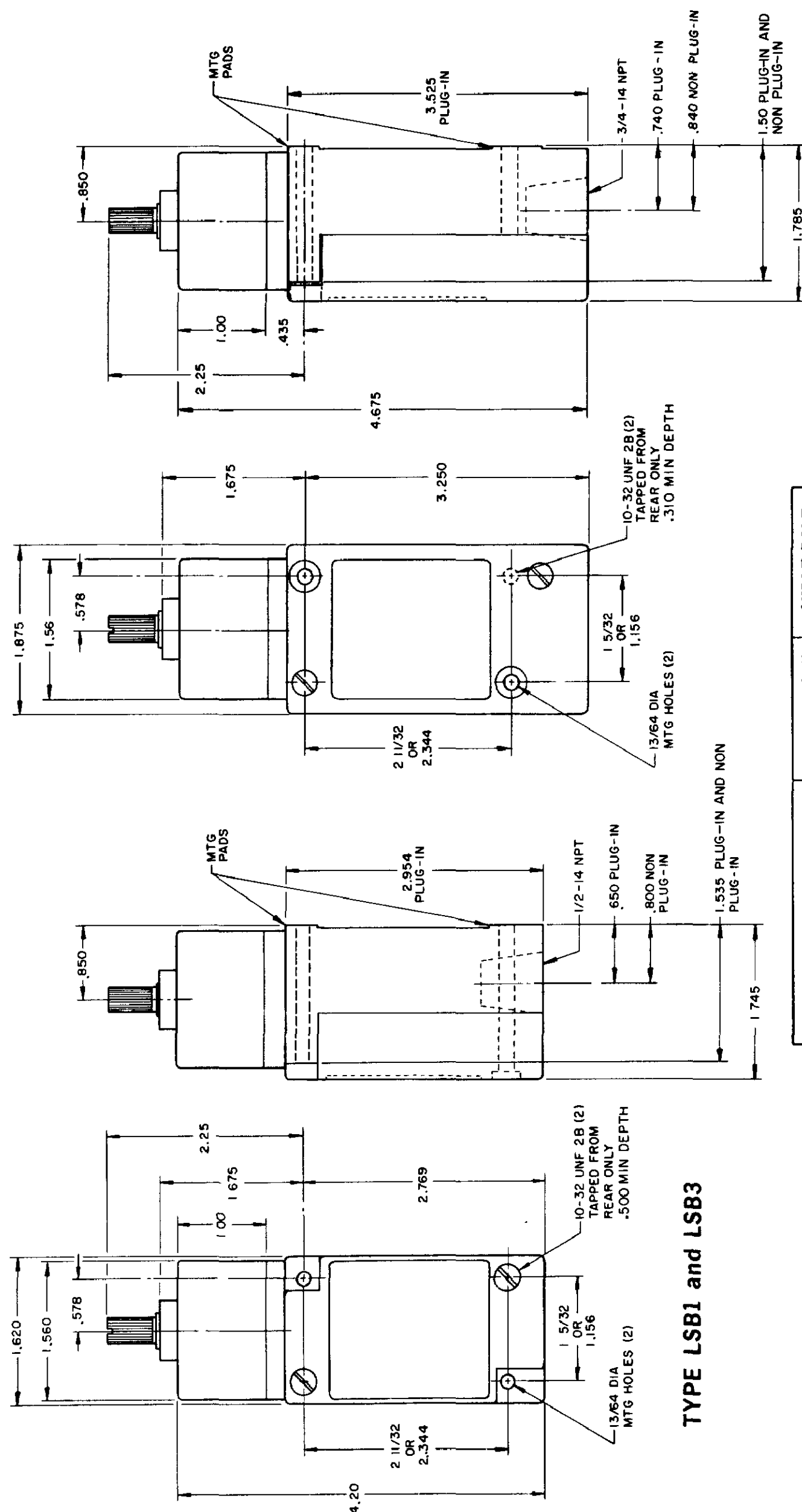
15	
----	--

15	
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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			
		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

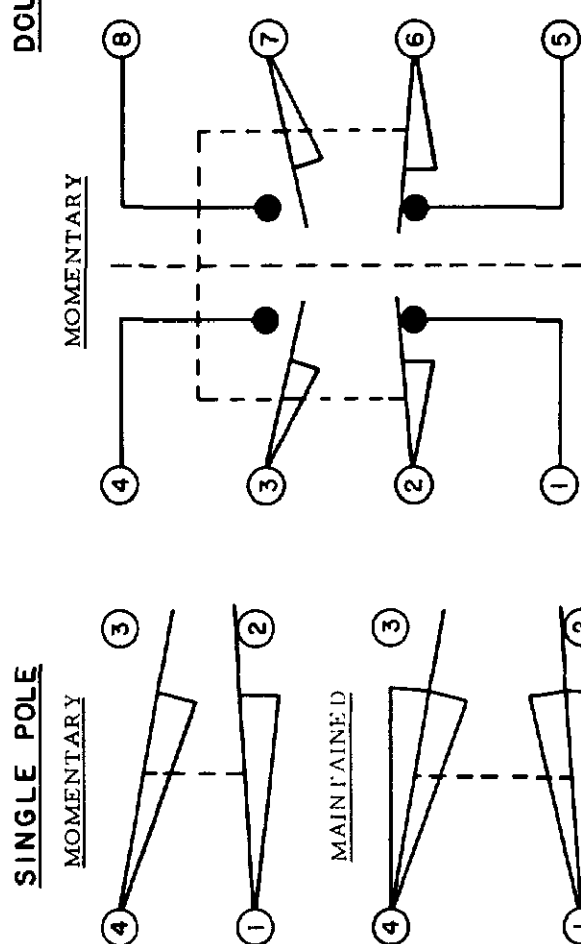
VOLTAGE	
5 AC OR DC MIN	01 AMP MIN
600 AC	720 VA
240 DC	30 WATT

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

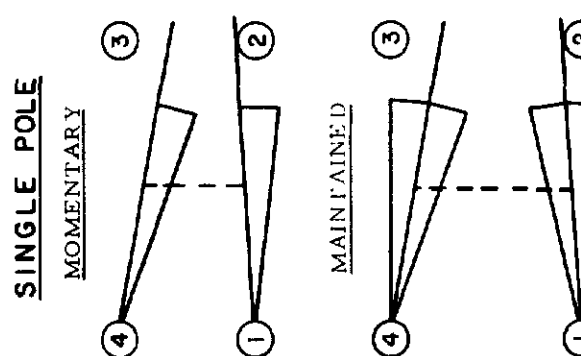
D. C. VOLTAGE	MAKE AND BREAK AMPS	
	INDUCTIVE	RESISTIVE
30	4.2	4.2
120	1.1	1.1
240	.55	.55

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

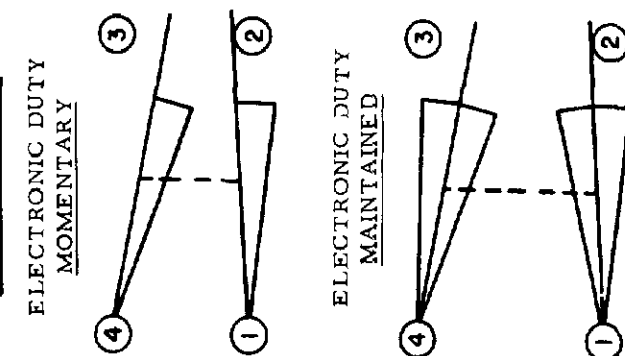
DOUBLE POLE



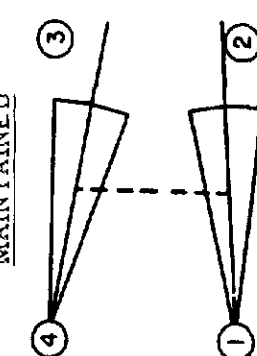
SINGLE POLE



SINGLE POLE



ELECTRONIC DUTY

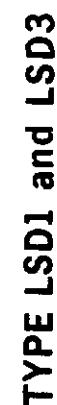


DIRECT ACTING



SINGLE POLE

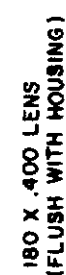
DOUBLE POLE



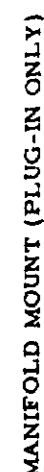
TYPE LSD2 and LSD4

***(LSD6 and LSD7**

have 1/2 - 14 NPT CONDUIT HOLE)



**TYPE LSC2
and LSC4**



SINGLE POLE AND DOUBLE POLE

TYPE LSA THROUGH LSW SERIES

**TYPE LSV2
and LSV4**

PAGE 4 OF 10

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MICRO SWITCH
a Honeywell Division

FED MFG CODE 91929

SWITCH - ENCLOSED

CATALOG LISTING

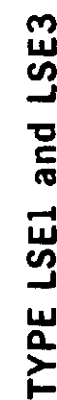
LSA-LSW SERIES

CHART 1

SCALE NONE

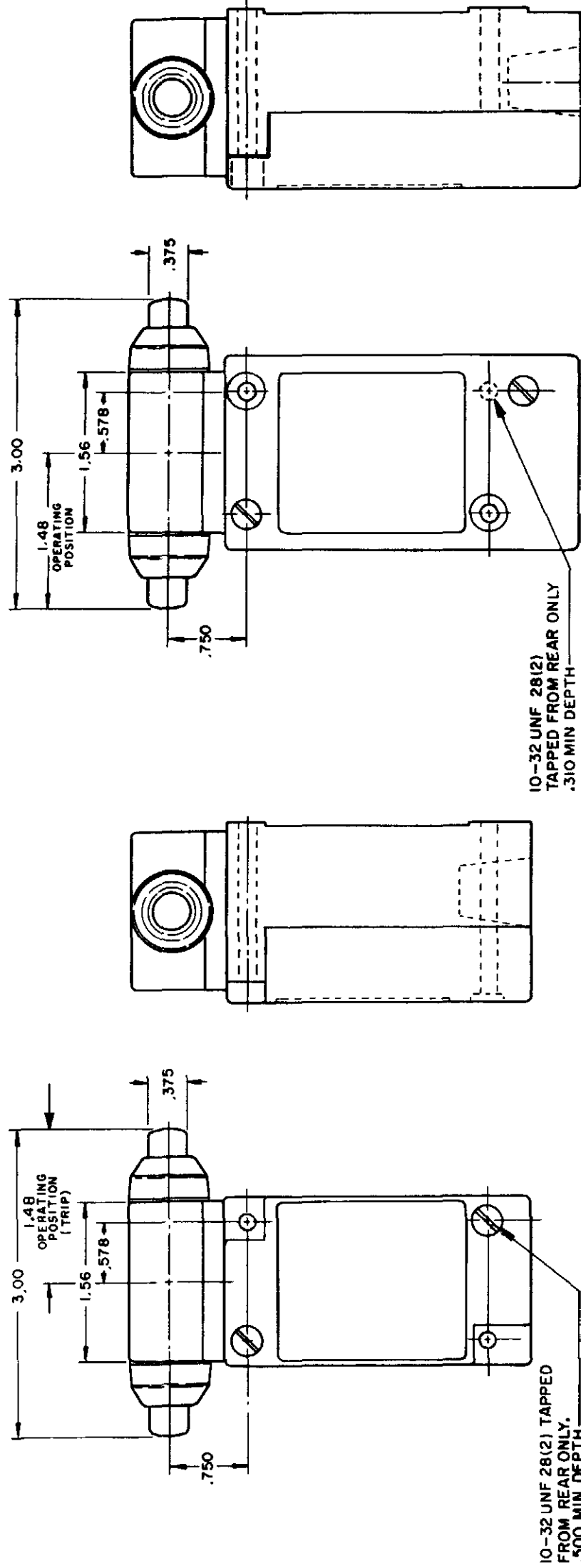
DO NOT SCALE PRINT

SINGLE POLE



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

TOP PLUNGER TYPES

OPERATING POINT GIVEN
IN RELATION TO TOP
MOUNTING HOLE

CHARACTERISTICS	LSC PLUNGER	LSD ROLLER PLUNGER	LSV ADJ PLUNGER	SEQUENCE BASIC	
				LSC	LSV
PRETRAVEL (MAX)	.070	.070	.070	1ST STEP .070	
DIFFERENTIAL TRAVEL (MAX)	SINGLE POLE DOUBLE POLE .015	SINGLE POLE DOUBLE POLE .020	SINGLE POLE DOUBLE POLE .015	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	

SIDE PLUNGER TYPES

OPERATING POINT GIVEN IN
RELATION TO CENTER OF HEAD

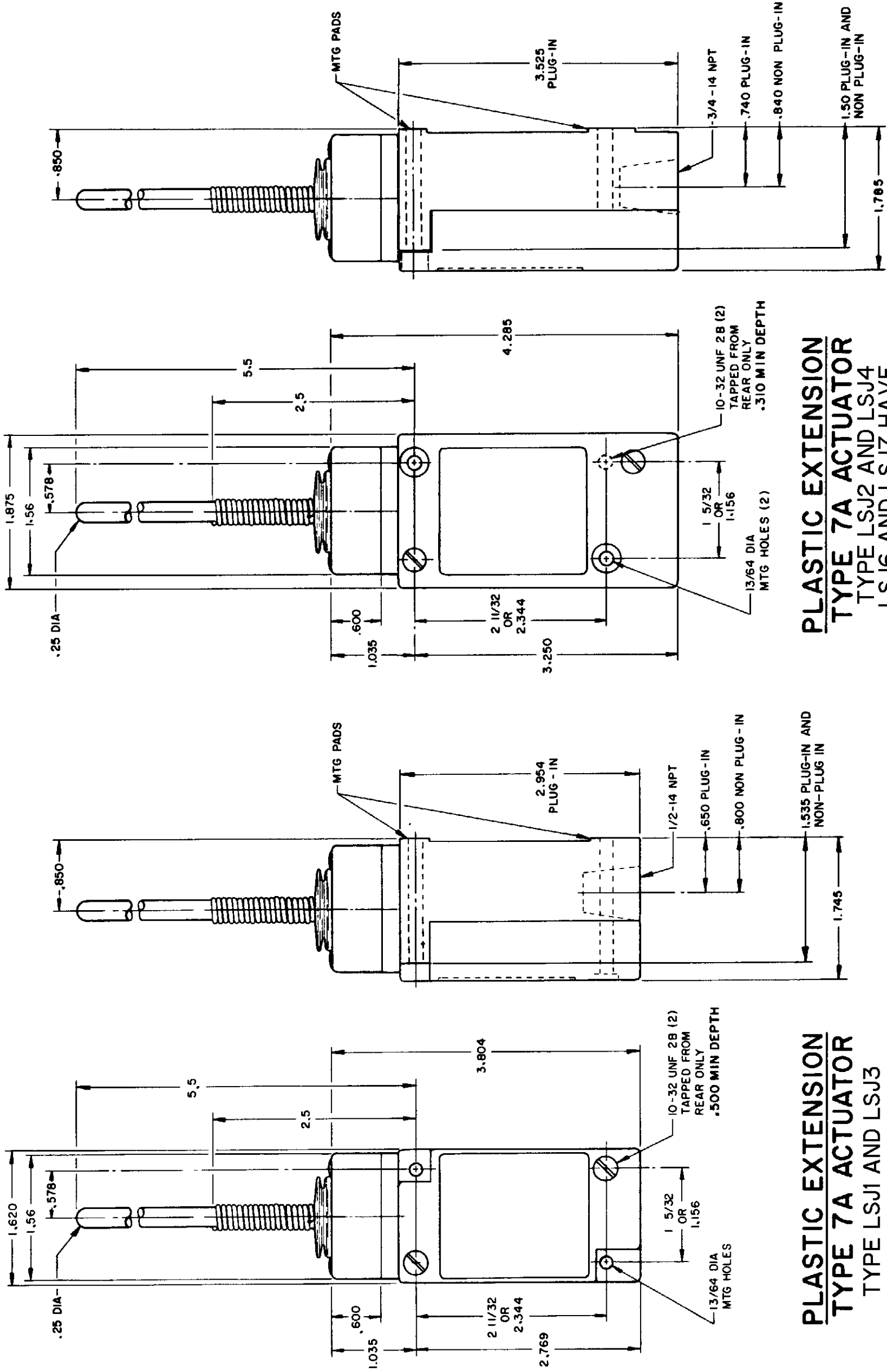
CHARACTERISTICS	LSE PLUNGER	LSF ROLLER PLUNGER	LSW ADJ PLUNGER	SEQUENCE BASIC	
				LSE	LSF
PRETRAVEL (MAX)	.100	.100	.170	1ST STEP .100	LSW
DIFFERENTIAL TRAVEL (MAX)	.045	.045	.090	2ND STEP .020 MIN ADD'L	
OVERTRAVEL (MIN)	.190	.190	.080	.025 EACH STEP	
OPERATING FORCE (MAX)	6 LBS	6 LBS	10 LBS	.170	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

REVISIONS	DATE	BY	CHKD	APPD
L 00031956	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



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

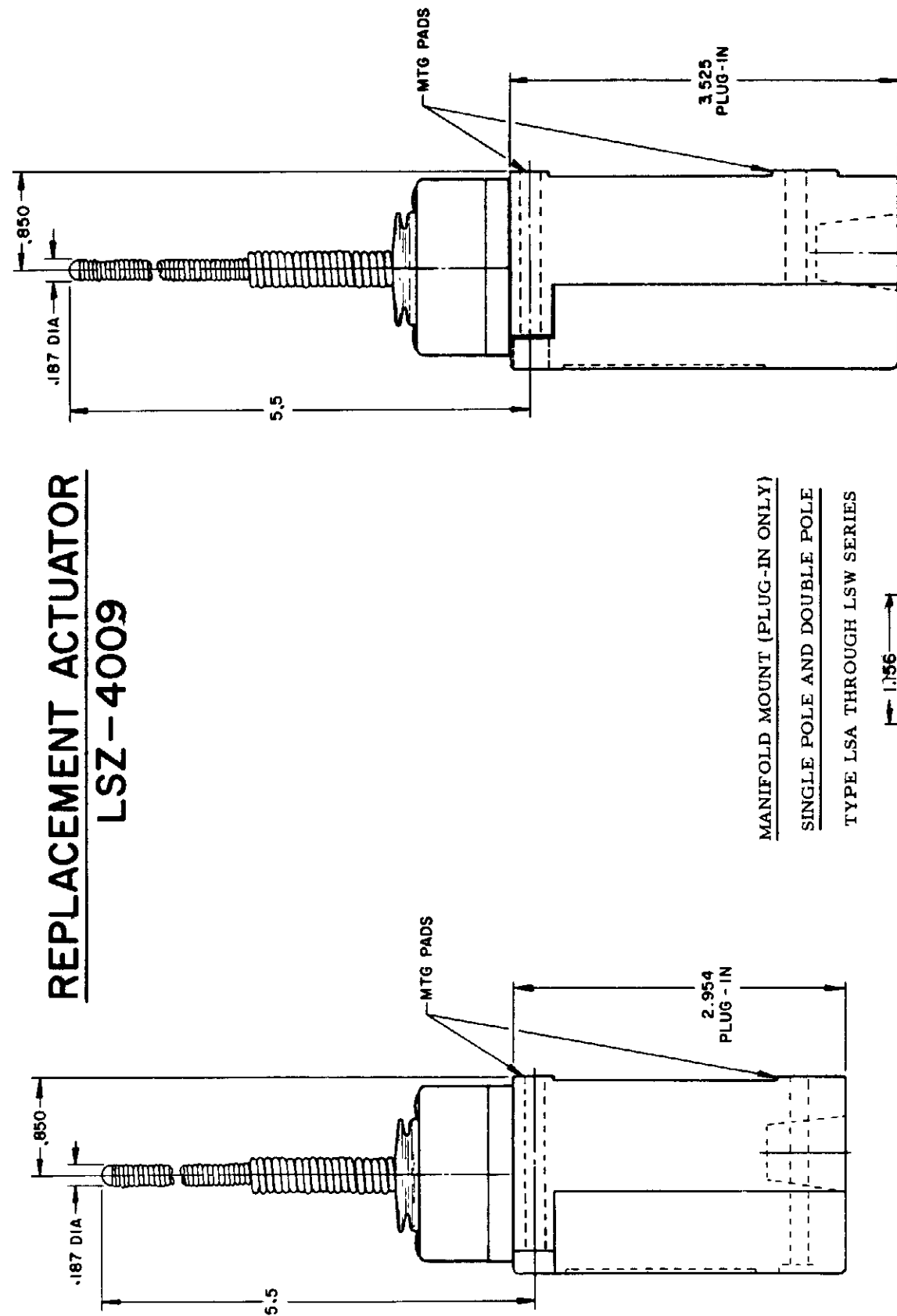
MICRO SWITCH
 a Honeywell Division

SWITCH - ENCLOSED
 LSA-LSW SERIES
 CHART 1

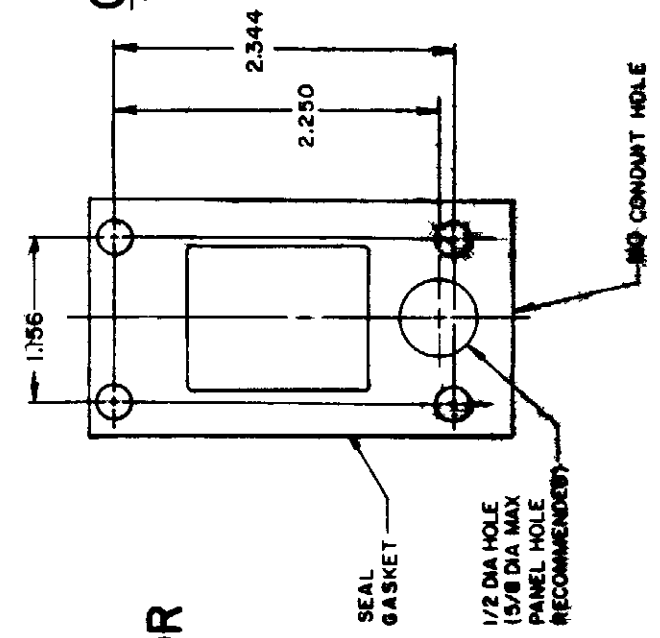
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CATALOG LISTING
 LSA-LSW SERIES
 CHART 1

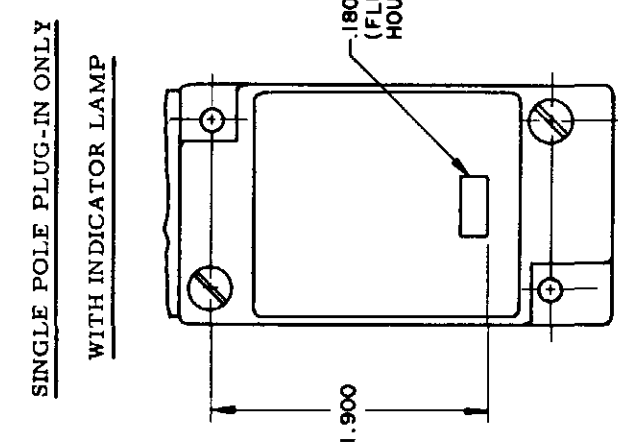
REPLACEMENT ACTUATOR
LSZ-4009



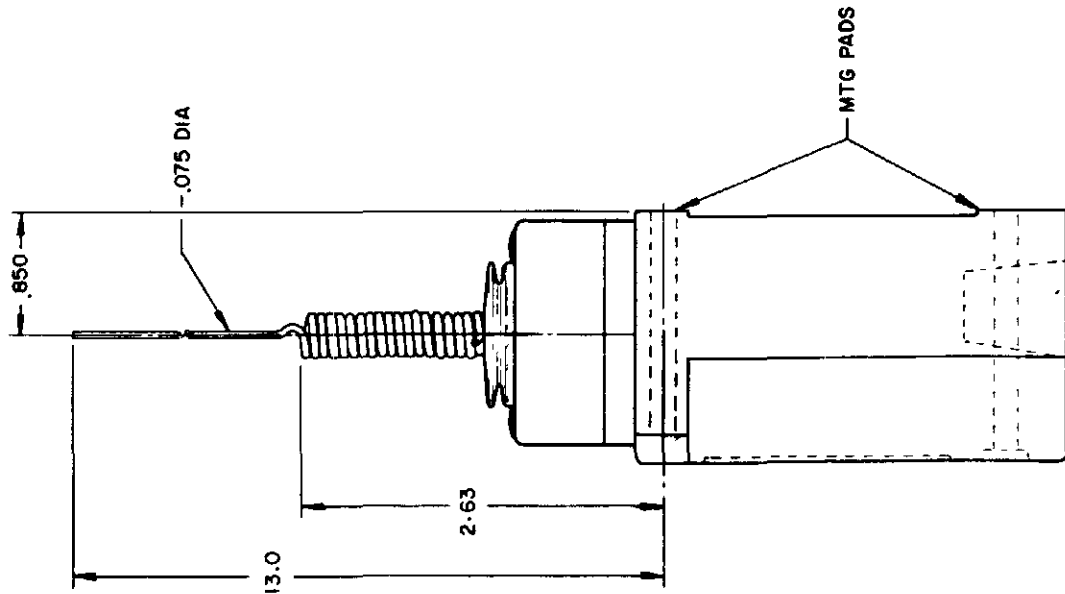
CABLE EXTENSION
TYPE 7N ACTUATOR



REPLACEMENT ACTUATOR
LSZ-4011



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

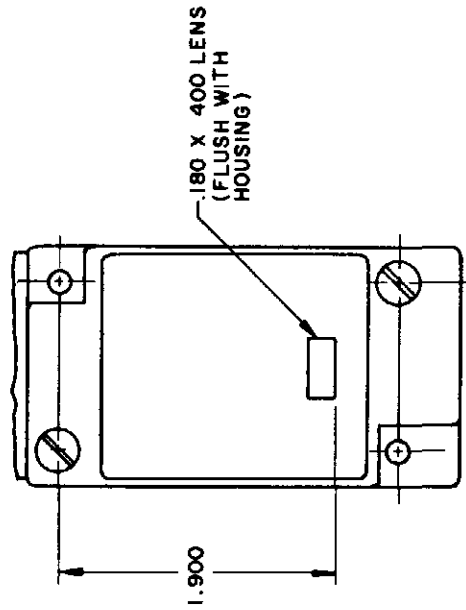


WIRE EXTENSION TYPE 7M ACTUATOR

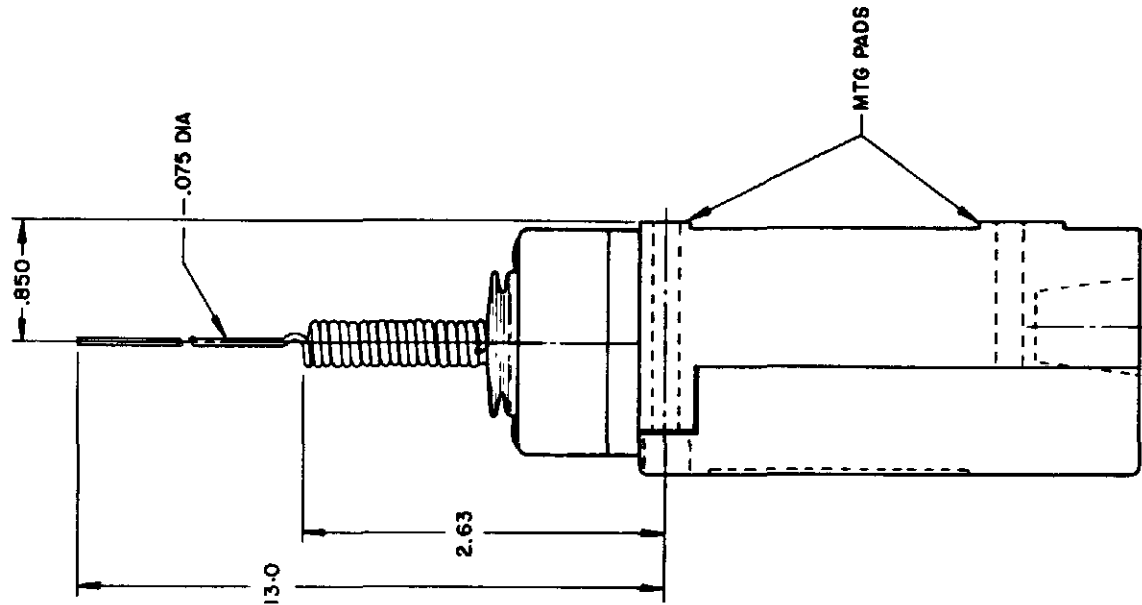
TYPE LSJ1 and LSJ3

REPLACEMENT ACTUATOR - LSZ 4010

SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP



120 LAMP VOLTAGE TYPE LSJ5
240 LAMP VOLTAGE TYPE LSJ8



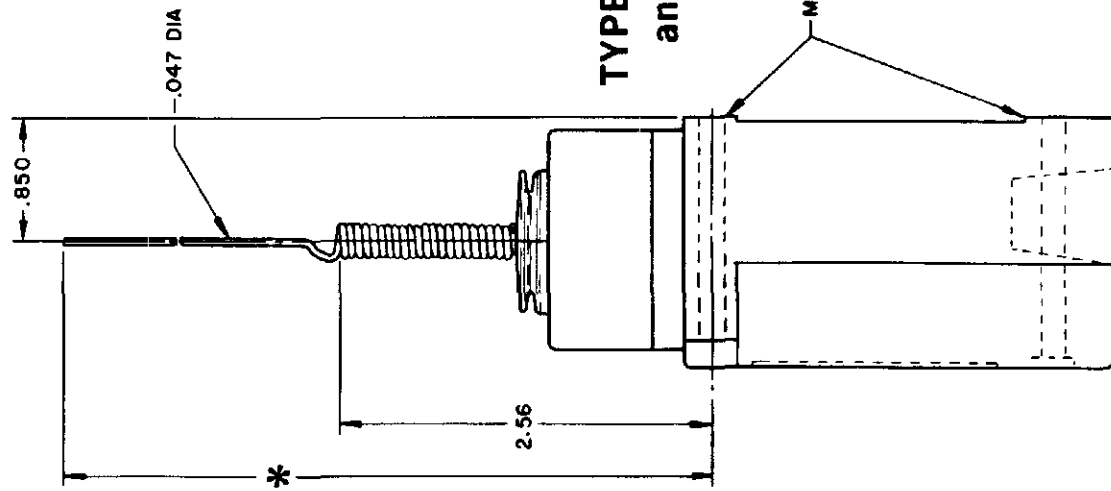
WIRE EXTENSION TYPE 7M ACTUATOR

TYPE LSJ2 and LSJ4

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

CAT WHISKER

SINGLE POLE

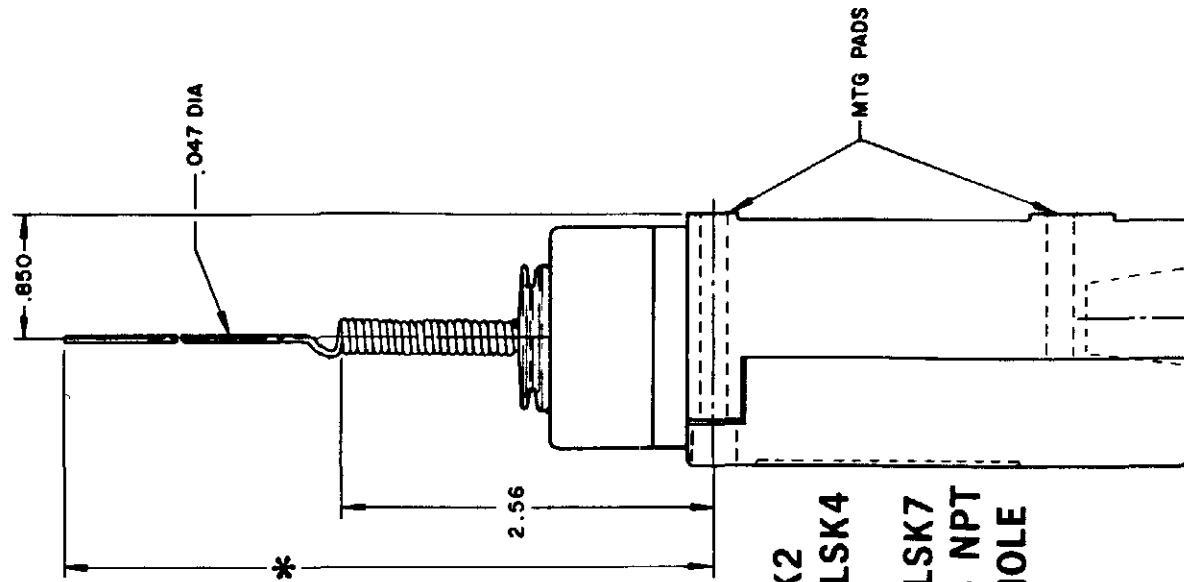


TYPE LSK1
and LSK3

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. - LSZ 4036

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
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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	5.0	3.0	7.0
			10.0	5.0

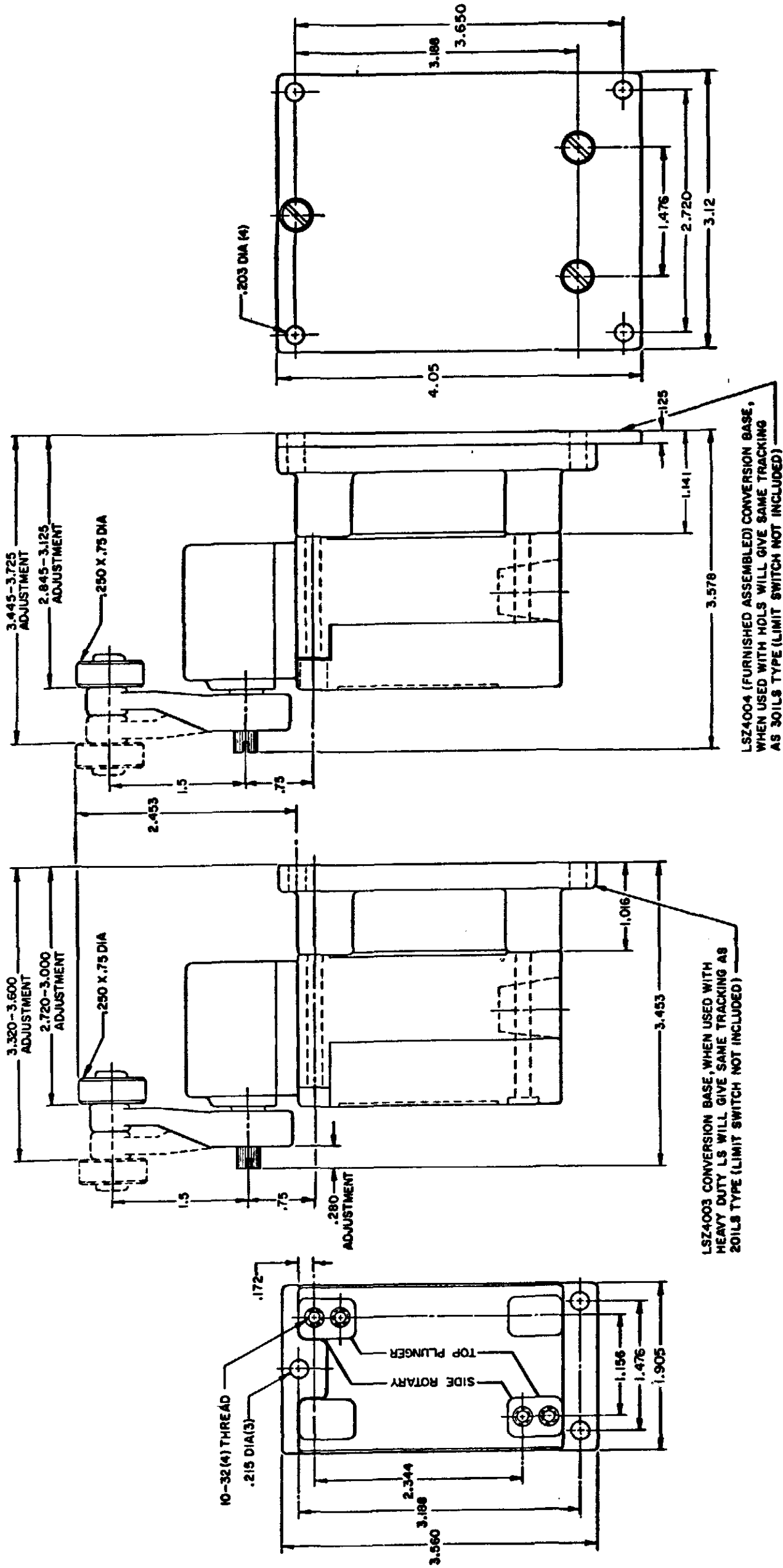
REV	DATE	BY	CHKD	DESCRIPTION
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B	10JUL07			201004
C	201748			201748
D	202198			202198
E	204871			204871
F	206581			206581
G	206763			206763
H	207179			207179
J	207474			207474
K	0006871			0006871

ISSUE	CATALOG LISTING	12	PSR	10JUL07	RELEASE NO	CO-78498	REPLACES	LSA-LSW SERIES
M	LSA-LSW SERIES CHART 1	PAGE 9 OF 10						
MAM	15 JUN 94	CHKD	JAF	11 JUL 94	CHKD	AK	11 AUG 04	CHKD

CONVERSION BASES

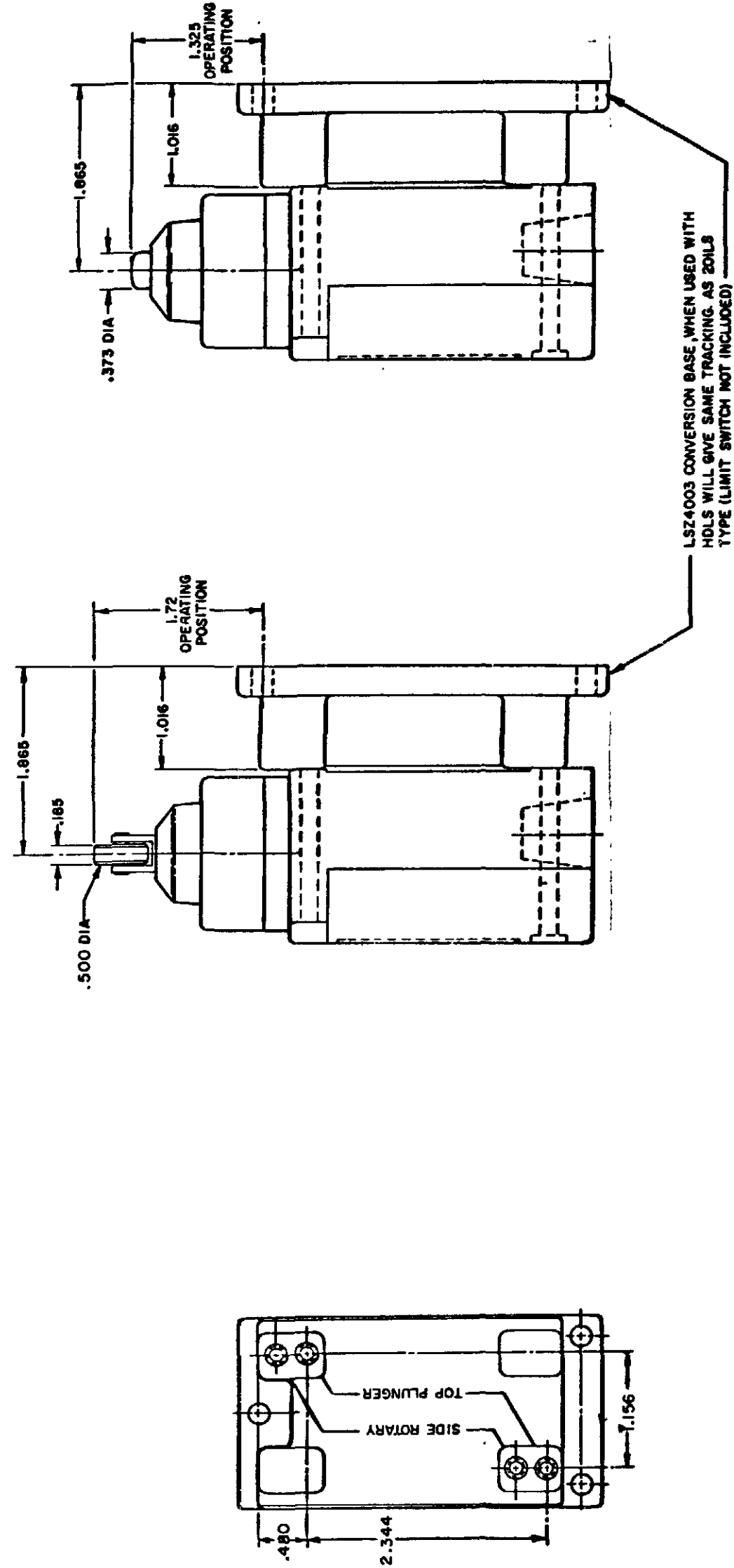
SINGLE POLE
(SIDE ROTARY)
LSZ 4003

DOUBLE POLE
(SIDE ROTARY)
LSZ4004



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

SINGLE POLE
TOP PLUNGER
LSZ4003



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 820	HOUGHTON SAFE 1010	MINERAL OIL	PETROL OIL	SILICON CR & OIL	SUNSAFE	BEER	STODDARD SOLV.	CHLORINATED SOLVENTS	CITRIC ACID	DI-ESTER SYN. LUBRICANTS	OZONE	HYDRAUL	PROGUARD	PETROL BASE HYDRAULIC OIL	LARD OIL	SILICATE ESTERS
LSA	4	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	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	1	2	1	2	4	1	4	3	4	4	2	2	2		
LSD	4	2	2	1	2	4	4	2	4	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	1	2	1	2	4	1	4	3	4	4	2	2	2		
LSF	4	2	2	1	2	4	4	2	4	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	1	2	1	2	4	1	4	3	4	4	2	2	2		
LSH	4	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	1	2	1	2	4	1	4	3	4	4	2	2	2		
LSK	4	2	2	1	2	4	4	2	4	2	1	2	1	2	4	1	4	3	4	4	2	2	2		
LSL	4	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	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2		
LSN	4	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	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2		
LSR	4	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	1	2	1	2	4	1	4	3	4	4	2	2	2		
LSW	4	2	2	1	2	4	4	2	4	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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SWITCH - ENCLOSED

CATALOG LISTING
LSA-LSW SERIES
CHART 1

FED. MFG. CODE 91929



**Стандарт
Электрон
Связь**

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С нами вы становитесь еще успешнее!

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