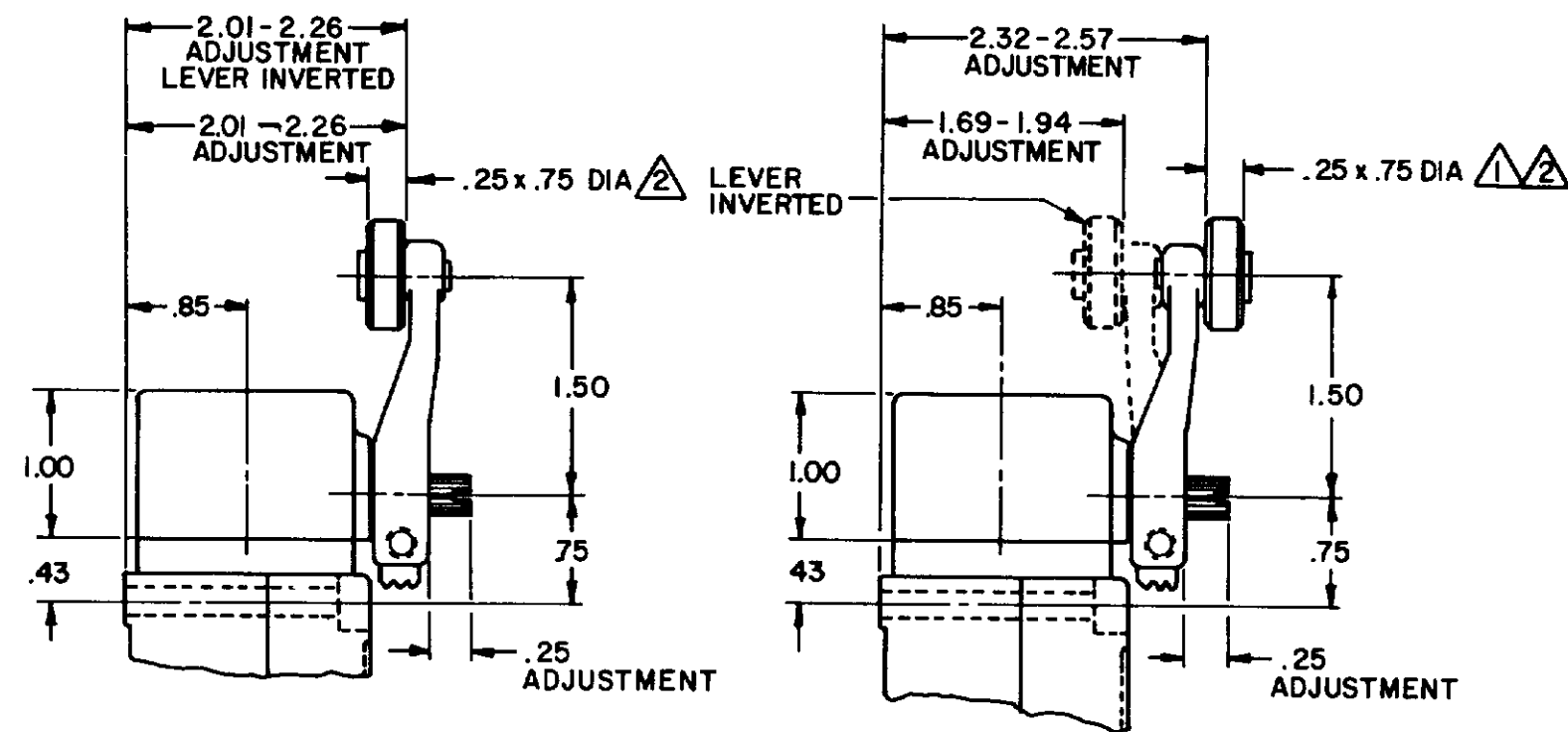
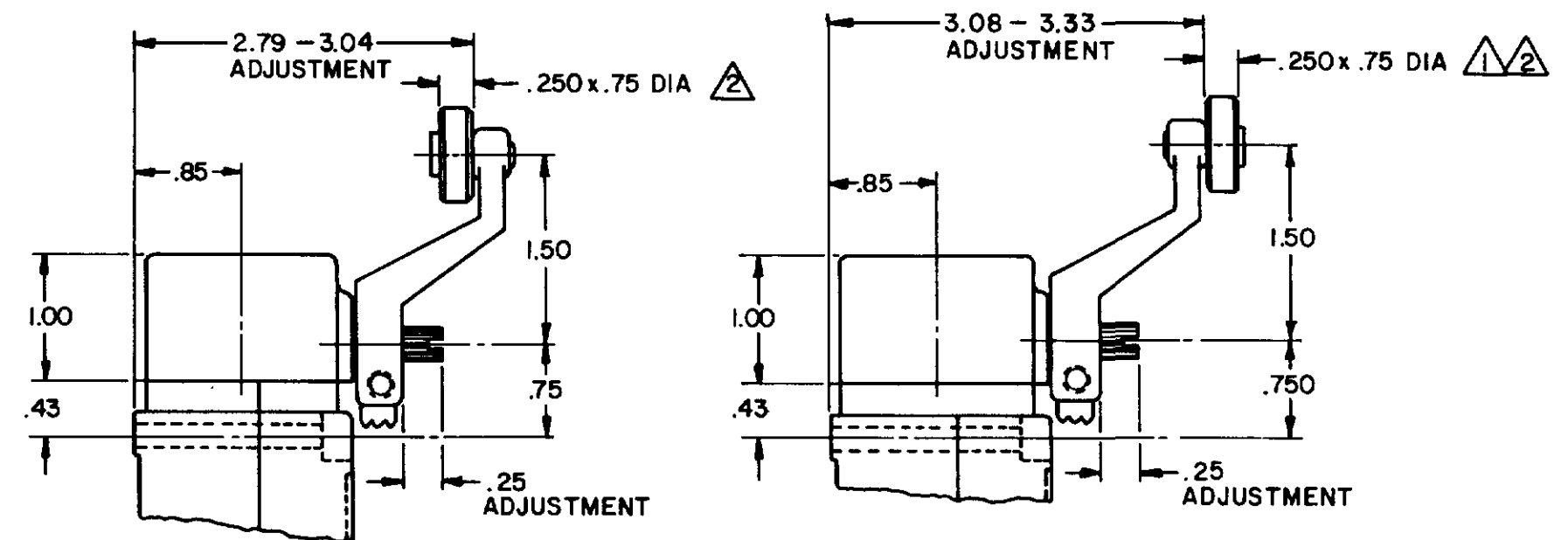


CATALOG LISTING										ISSUE										12										PAGE 1 OF 10										RELEASE NO										CO-78498										REPLACES										LSA-LSW SERIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		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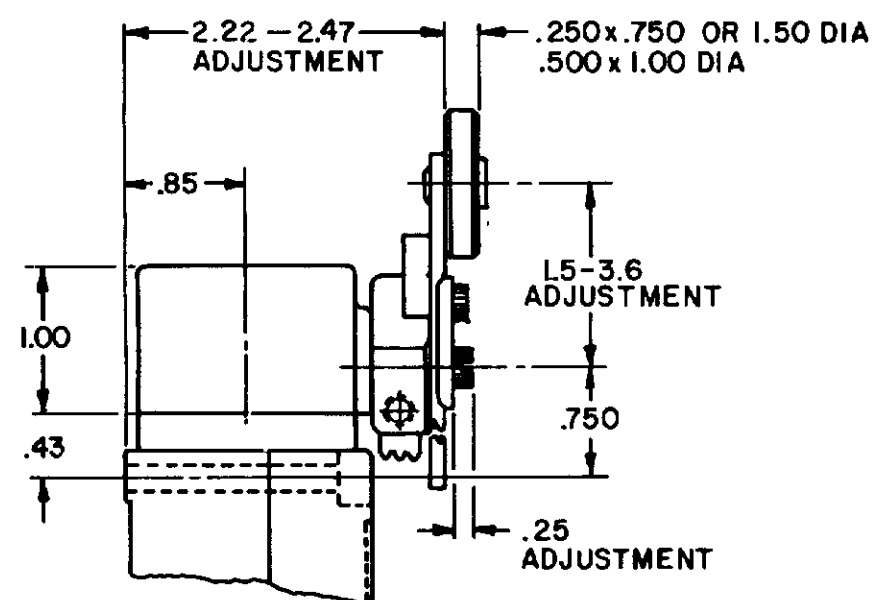
SIDE ROTARY CAM TRACKING



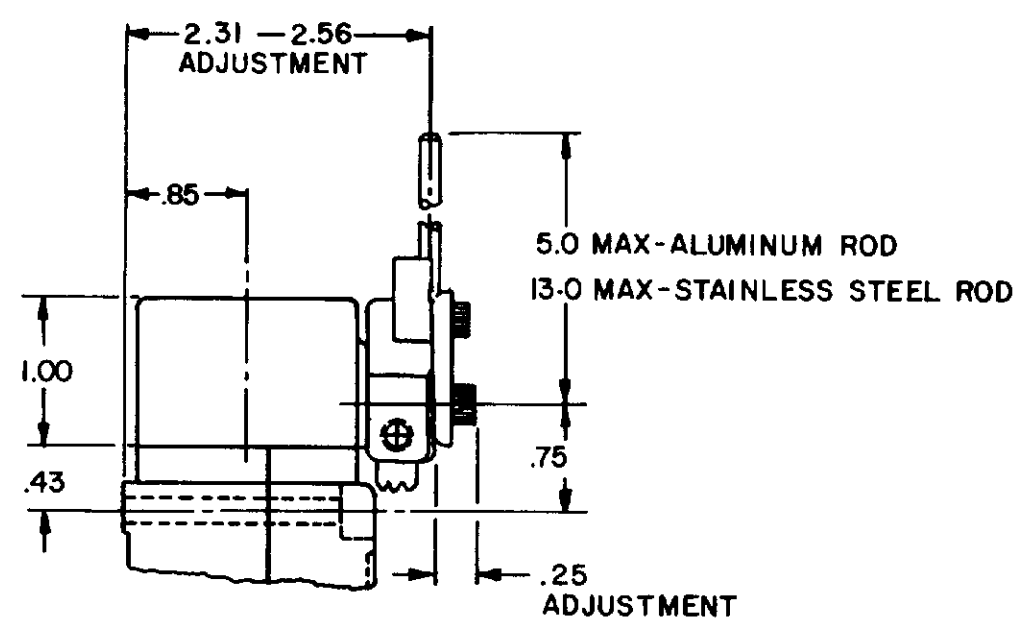
LSZ51 TYPE LEVERS



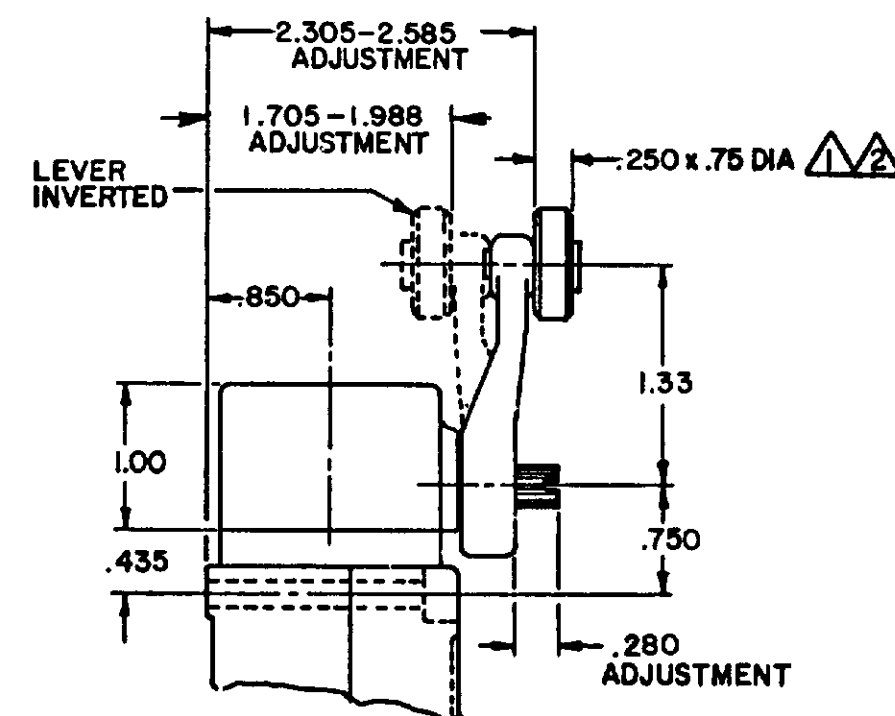
LSZ55 TYPE LEVERS



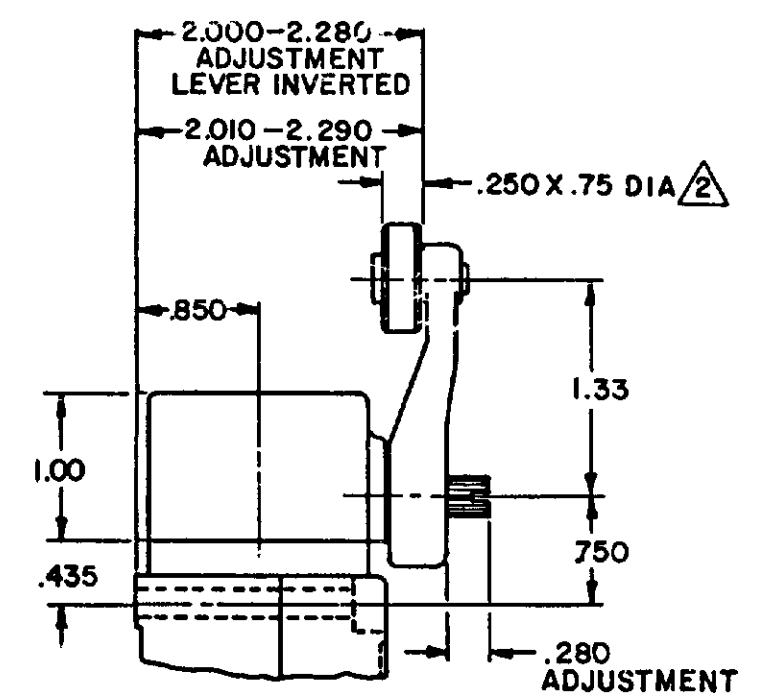
LSZ52 TYPE LEVER



LSZ54 TYPE LEVER



OPEN MOUNTED ROLLER



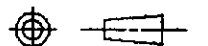
CLOSED MOUNTED ROLLER

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) ±.015

THREE PLACES (1.000) $\pm .005$

ANGLES	$\pm$
--------	-------

PAGE 2 OF 10

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CATALOG LISTING

LSA-LSW SERIES
CHART 1

MICRO SWITCH
a Honeywell Division

FFD MEG CODE 91929

SWITCH - ENCLOSED

CATALOG LISTING

A-LSW SERIES

CHART 1

WEIGHT

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

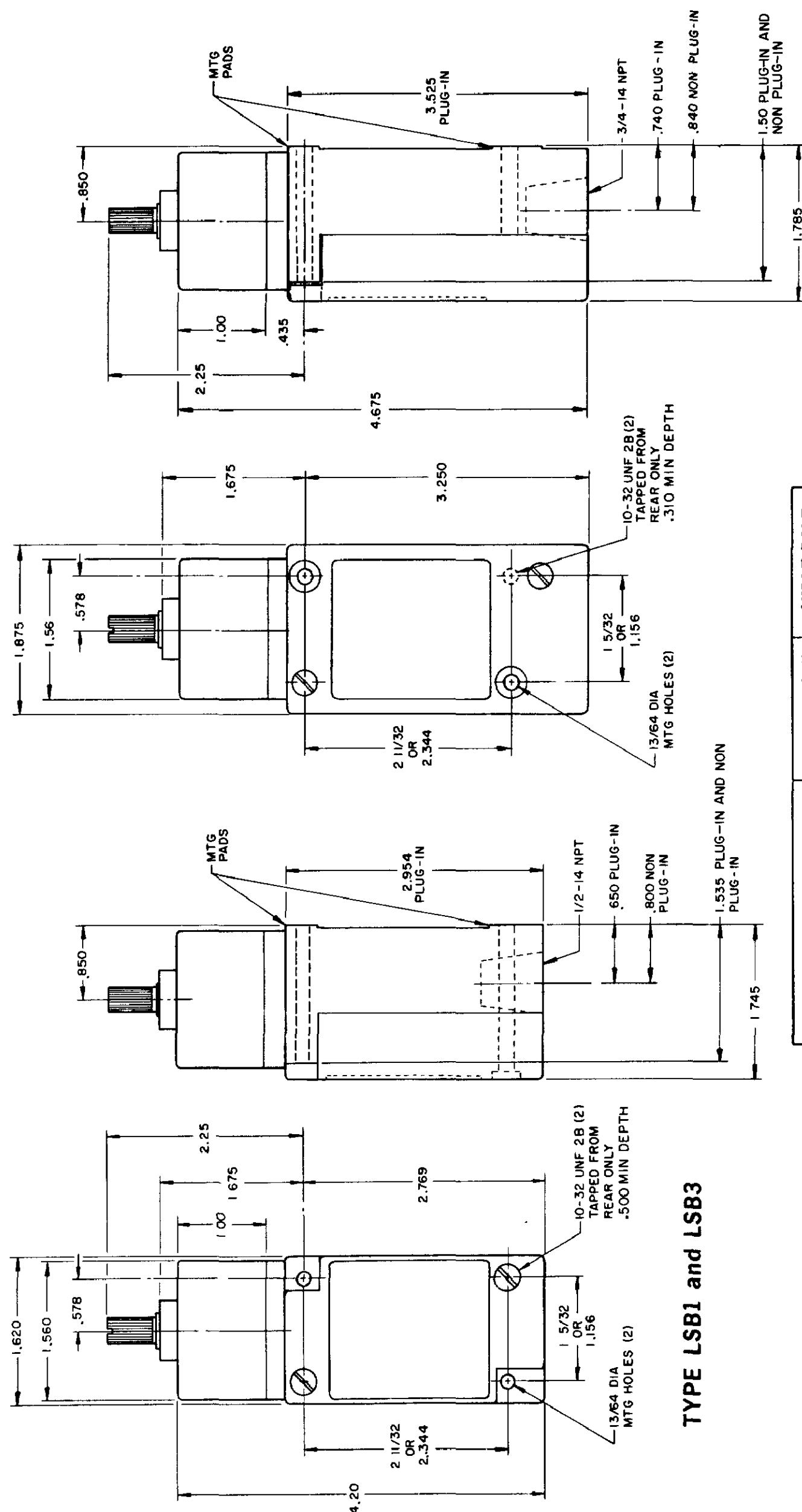
REVISONS		11AUG04	
L	0031956		
	BS		
	10JUL07		
B	2011004		
	C SL		
	10 AUG 00		
C	201748		
	C SL		
	17 NOV 00		
D	202198		
	C SL		
	23 JAN 01		
E	204871		
	G W		
	FEB 02		
F	205581		
	GLH		
	14 OCT 02		
G	206763		
	C SL		
	31 OCT 02		
H	207179		
	GLH		
	14 JAN 03		
J	207474		
	TSM		
	18 FEB 03		
K	0006871		
	KR		
	20060800		
	1		

RASTER	DRAWN	15
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TOP ROTARY

SINGLE POLE

DOUBLE POLE



**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

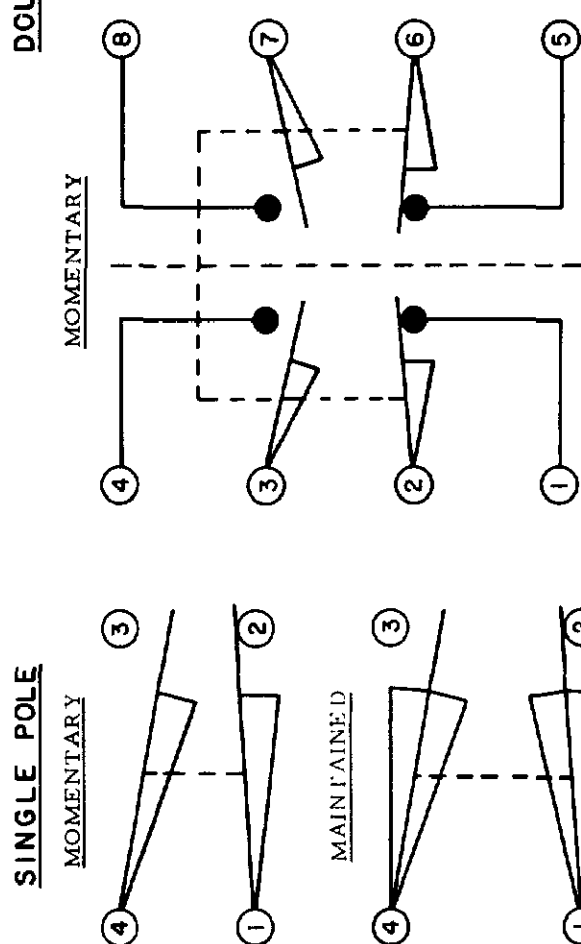
VOLTAGE	
5 AC OR DC MIN	01 AMP MIN
600 AC	720 VA
240 DC	30 WATT

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

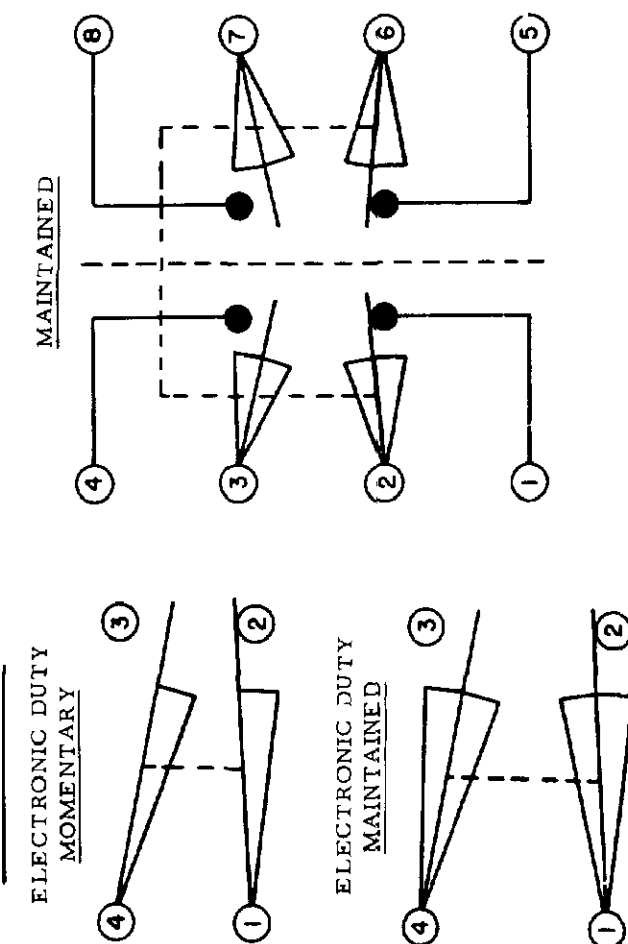
D. C. VOLTAGE	MAKE AND BREAK AMPS	
	INDUCTIVE	RESISTIVE
30	4.2	4.2
120	1.1	1.1
240	.55	.55

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

DOUBLE POLE



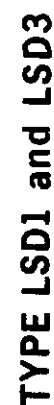
SINGLE POLE



DIRECT ACTING

SINGLE POLE

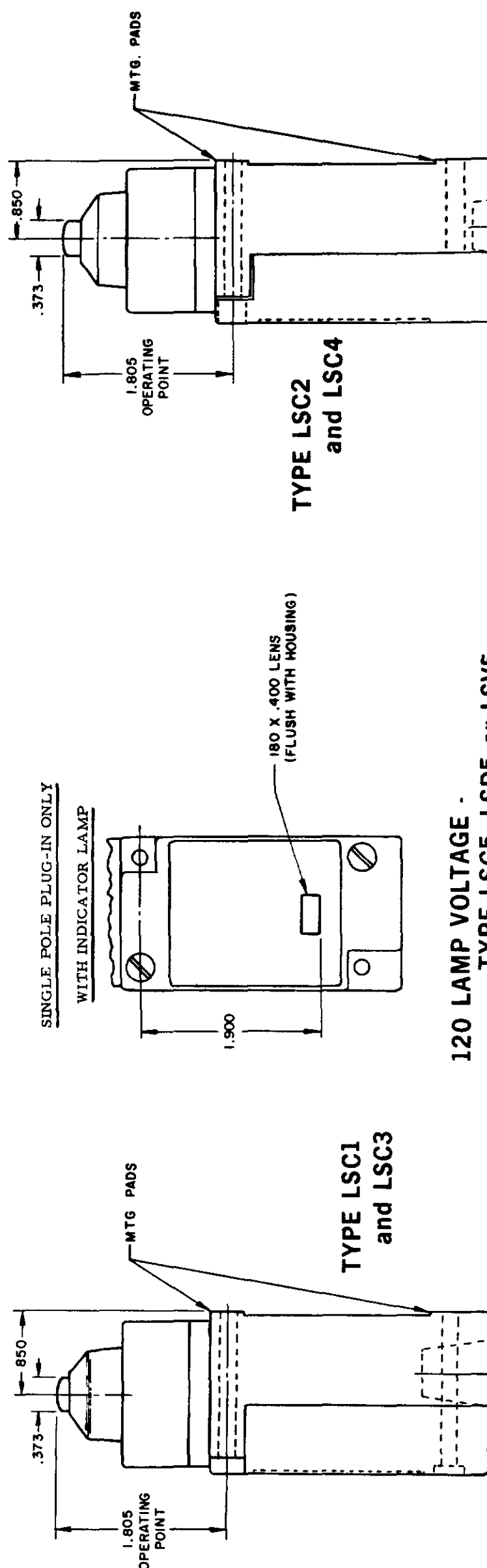
DOUBLE POLE



TYPE LSD2 and LSD4

***(LSD6 and LSD7**

have 1/2 - 14 NPT CONDUIT HOLE)

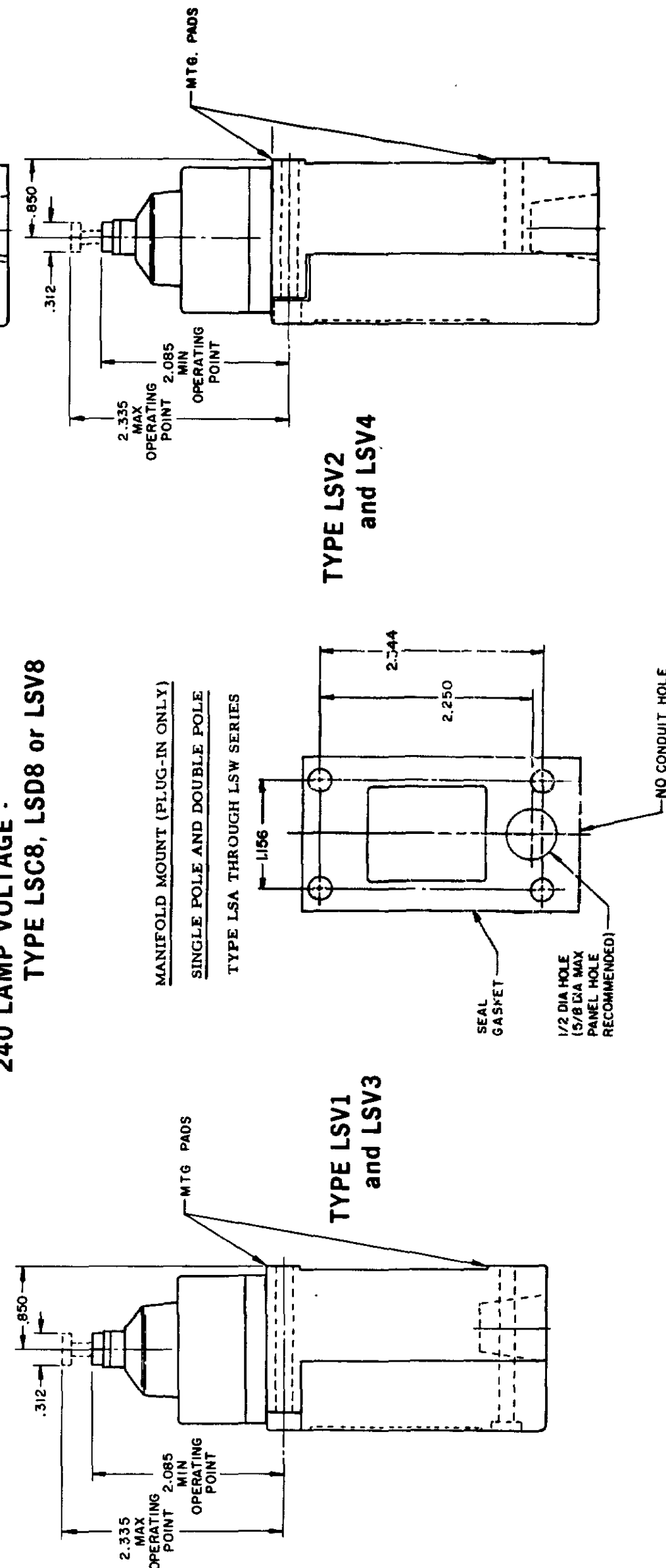


TYPE LSC1 and LSC3

**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**

PAGE 4 OF 10

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MICRO SWITCH
a Honeywell Division

SWITCH - ENCLOSED

CATALOG LISTING

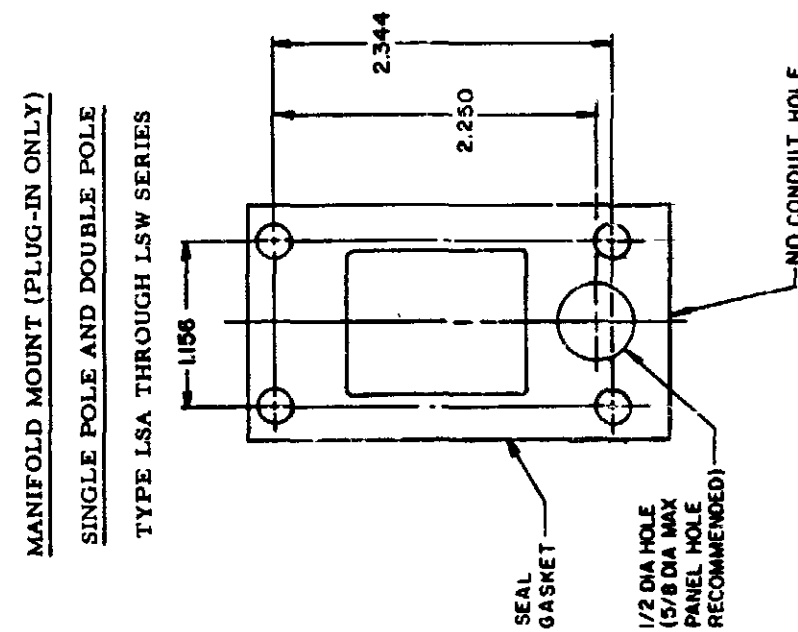
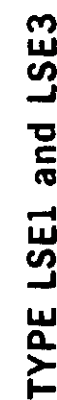
LSA-LSW SERIES

CHART 1

SCALE NONE

DEMO SCALE PRINT

SINGLE POLE DOUBLE POLE



FED MFG CODE 91928

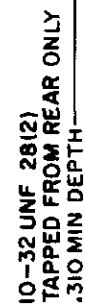
CATALOG LISTING

LSA-LSW SERIES

CHART 1

SCALE NONE

DO NOT SCALE PRINT



TYPE LSG1 and LSG3

INITIAL POSITION (FREE POSITION)	OPERATING POINT	FULL TRAVEL

OPERATING POINT GIVEN
IN RELATION TO TOP
MOUNTING HOLE

SIDE PLUNGER TYPES

OPERATING POINT GIVEN IN RELATION TO CENTER OF HEAVY

PAGE 6 OF 10

SWITCH - ENCLOSED

SCALE	NONE
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES:	
ONE PLACE	(ϕ) $\pm .015$
TWO PLACE	(.001) $\pm .010$
THREE PLACE	(.000) $\pm .008$
ANGLES	$\pm$
WEIGHT	

SCALE NONE

DO NOT SCALE PRINT

UNCLASSIFIED



TOLERANCES

ONE PLACE 191

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	14 JAN 03	GLH		
F 206581	14 OCT 02	GLH		
G 206763	31 OCT 02	CST		
H 207179	14 JAN 03	GLH		
J 207474	18 FEB 03	PSR		
K 0006871	11 AUG 04	PSR		

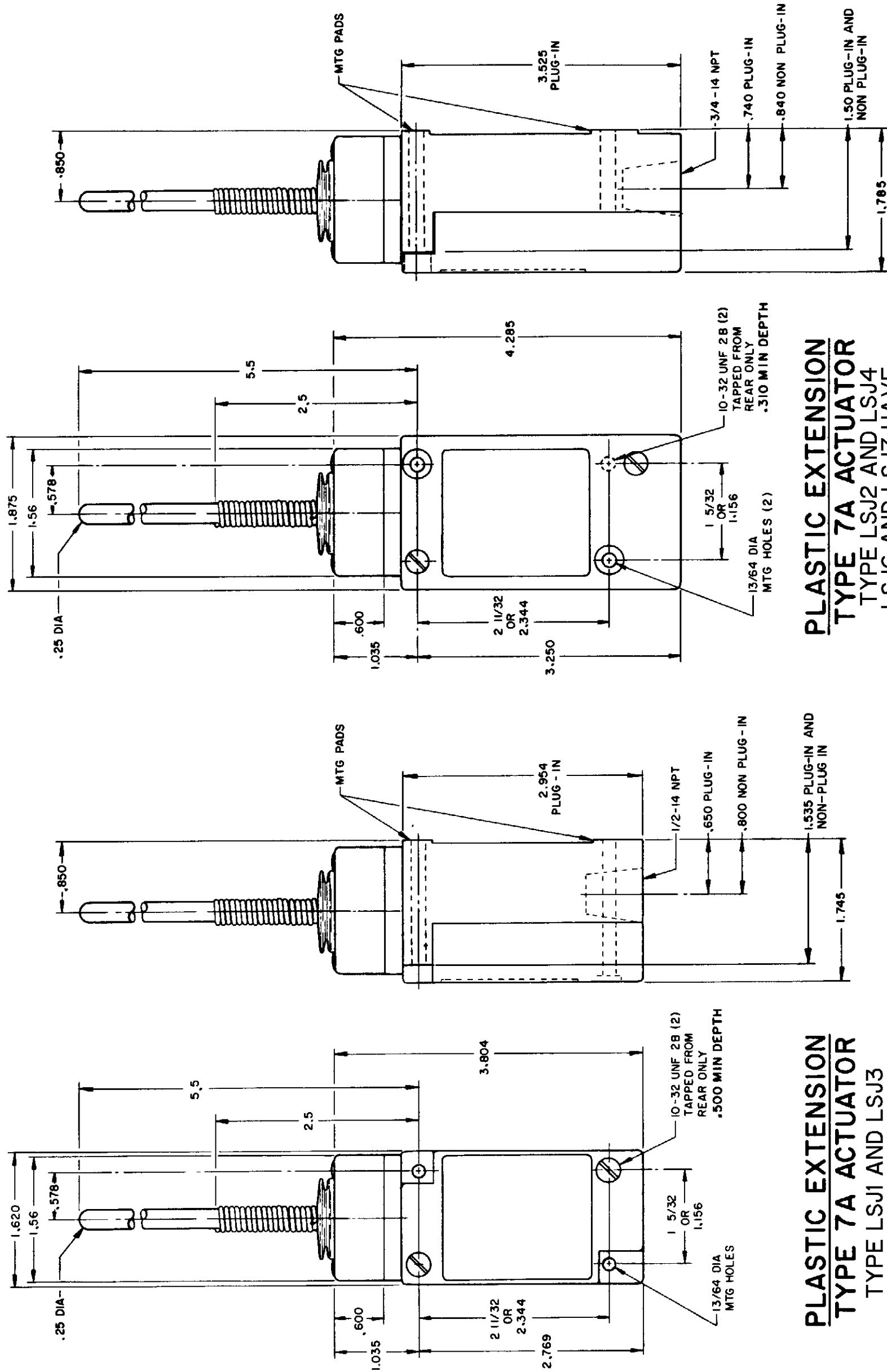
ISSUE	CATALOG LISTING	RELEASE NO	CO-78498	REPLACES	LSA-LSW SERIES
12	LSA-LSW SERIES CHART 1	10JUL07			
PSR					

MAST
DRAWN

MAM 15 JUN 94

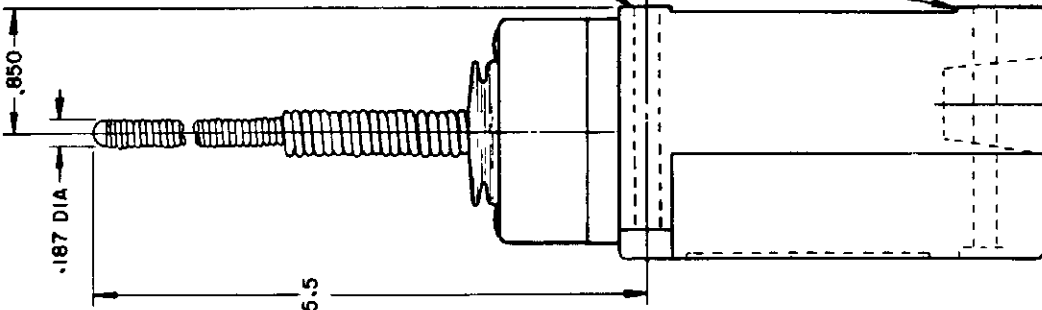
WOBBLE STICK DOUBLE POLE

SINGLE POLE

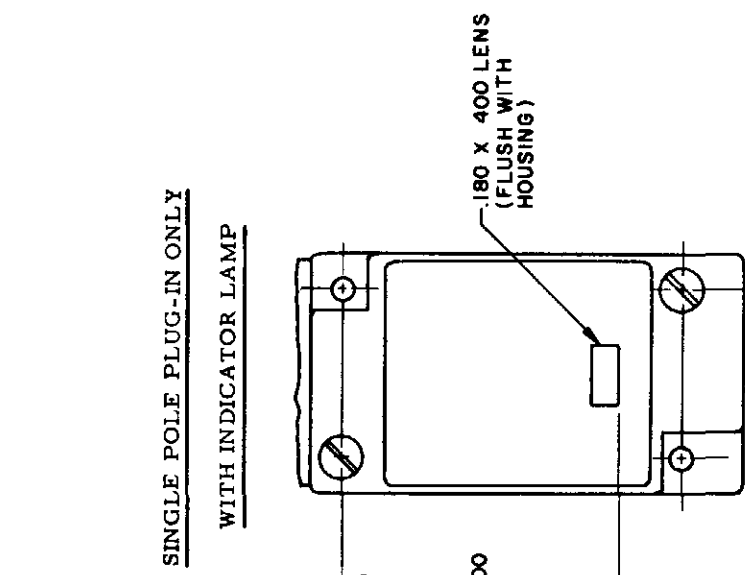


PLASTIC EXTENSION
TYPE 7A ACTUATOR
TYPE LSJ1 AND LSJ3

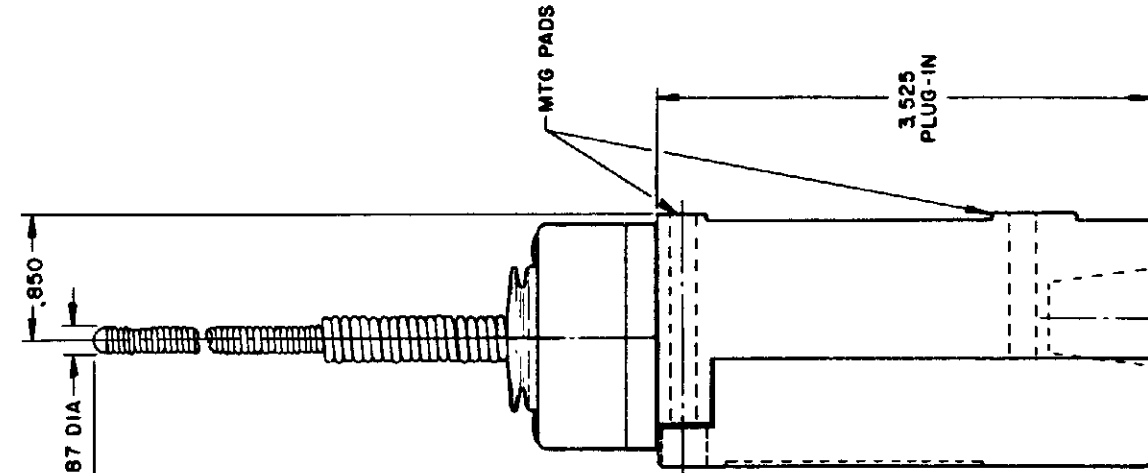
PLASTIC EXTENSION
TYPE 7A ACTUATOR
TYPE LSJ2 AND LSJ4
LSJ6 AND LSJ7 HAVE
1/2 - 14 NPT CONDUIT HOLE



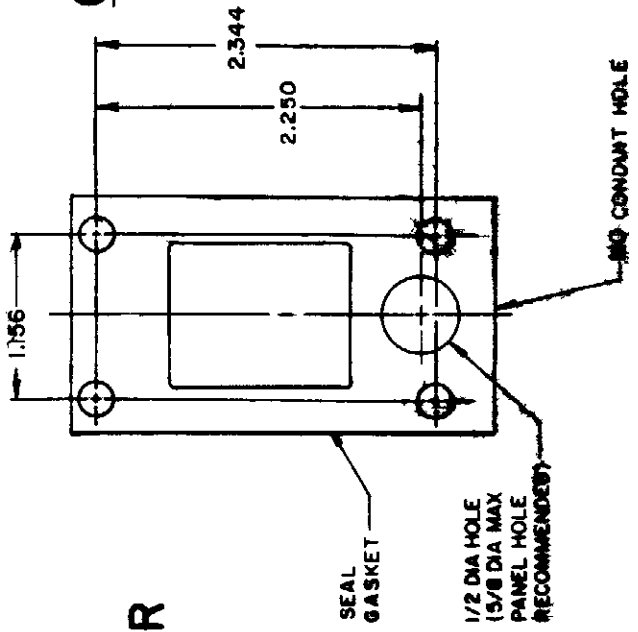
REPLACEMENT ACTUATOR
LSZ-4009



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



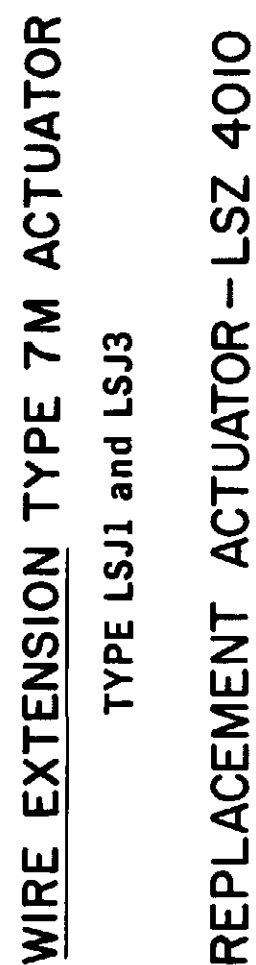
MANIFOLD MOUNT (PLUG-IN ONLY)
SINGLE POLE AND DOUBLE POLE
TYPE LSA THROUGH LSW SERIES



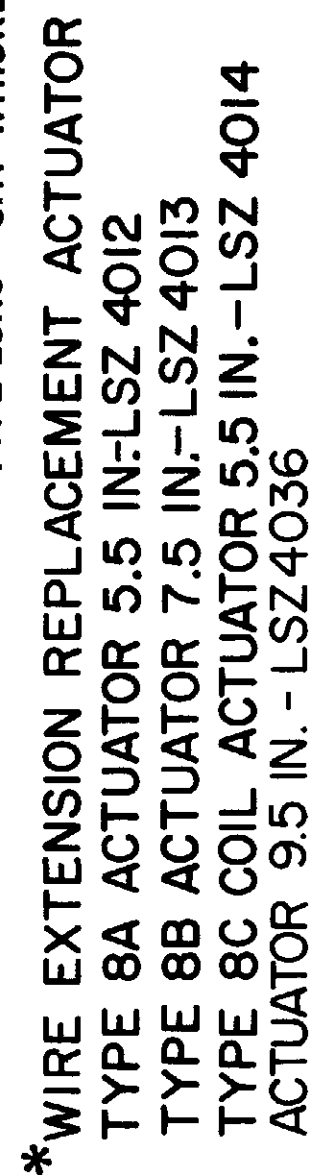
CABLE EXTENSION
TYPE 7N ACTUATOR

CABLE EXTENSION
TYPE 7N ACTUATOR

REPLACEMENT ACTUATOR
LSZ-4011



SINGLE POLE

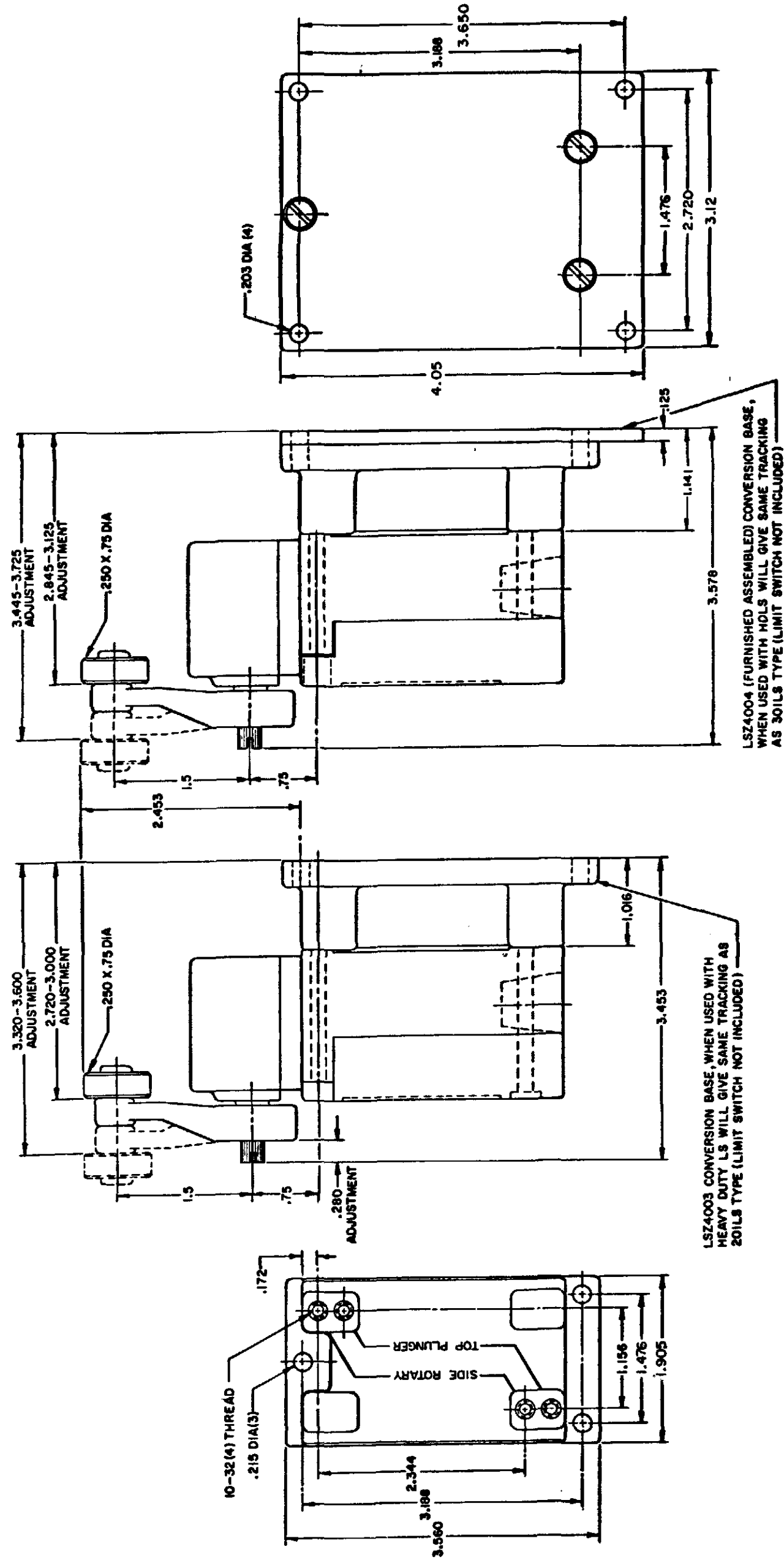


	CAT. WHISKER		WOBBLE STICK			
	5 1/2" COIL	5 1/2" WIRE	7 1/2" WIRE	ROD	CABLE	WIRE
PRETRAVEL (APPROX) IN. RADIUS	2	2	4.5	1.0	1.5	4.0
OPERATING FORCE-OZ (MAX)	7.0	5.0	3.0	10.0	7.0	5.0

CONVERSION BASES

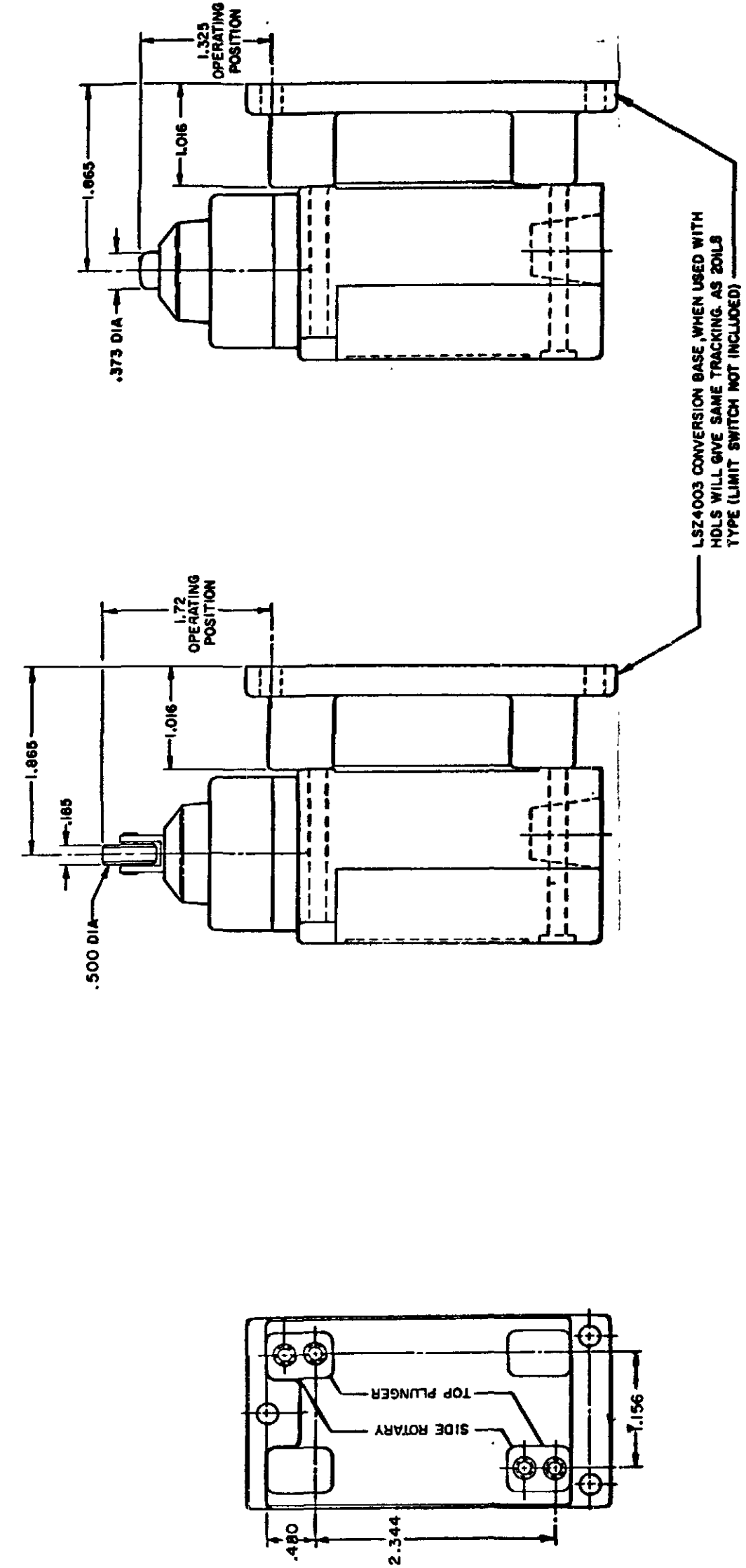
SINGLE POLE (SIDE ROTARY) LSZ 4003

**DOUBLE POLE
(SIDE ROTARY)
LSZ4004**



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

SINGLE POLE TOP PLUNGER 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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CATALOG LISTING
LSA-LSW SERIES
CHART 1

FED. MFG. CODE 91929