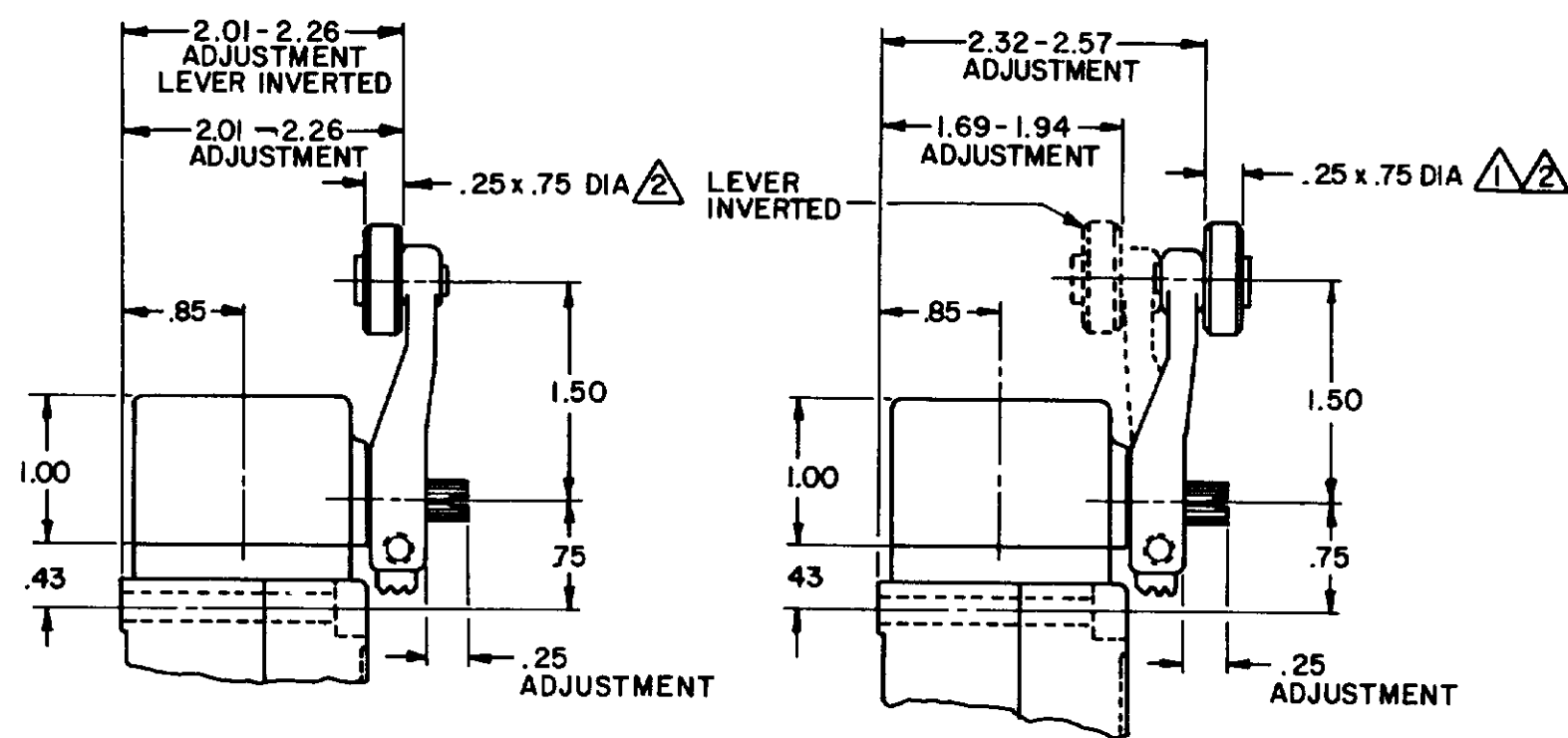
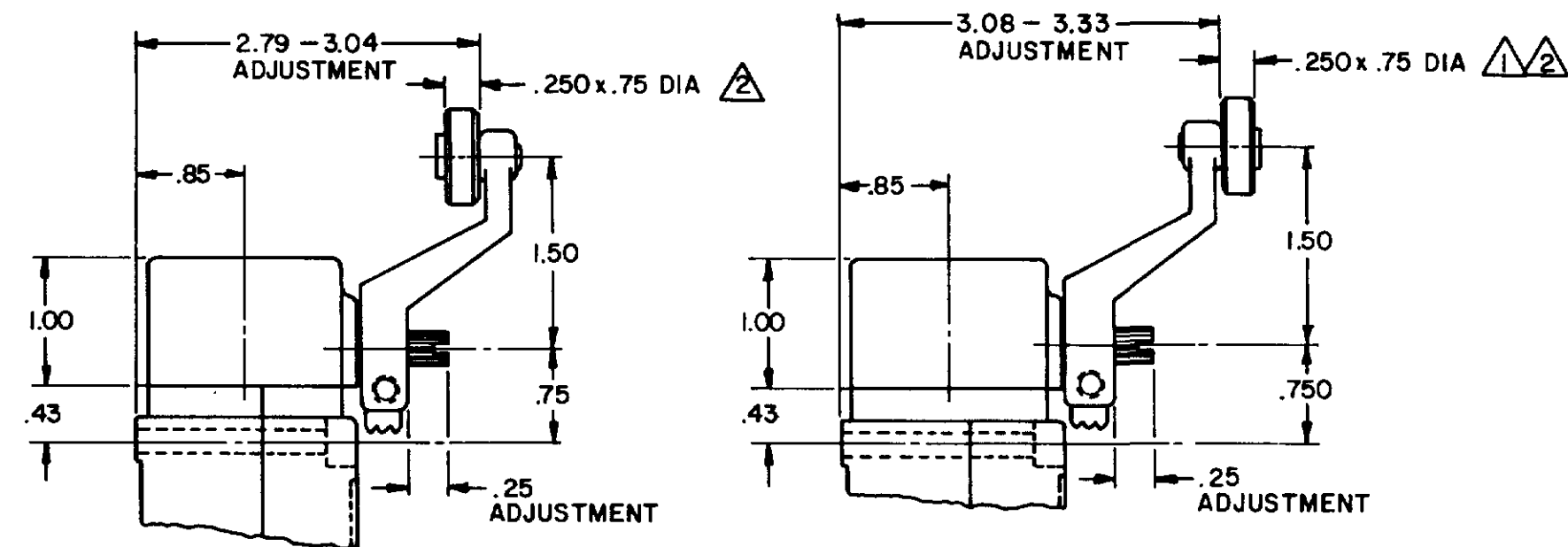


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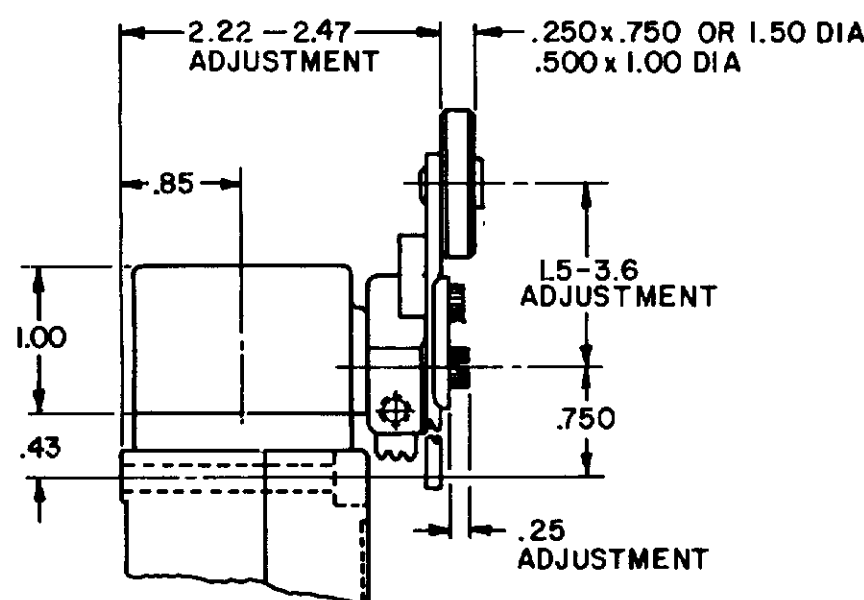
SIDE ROTARY CAM TRACKING



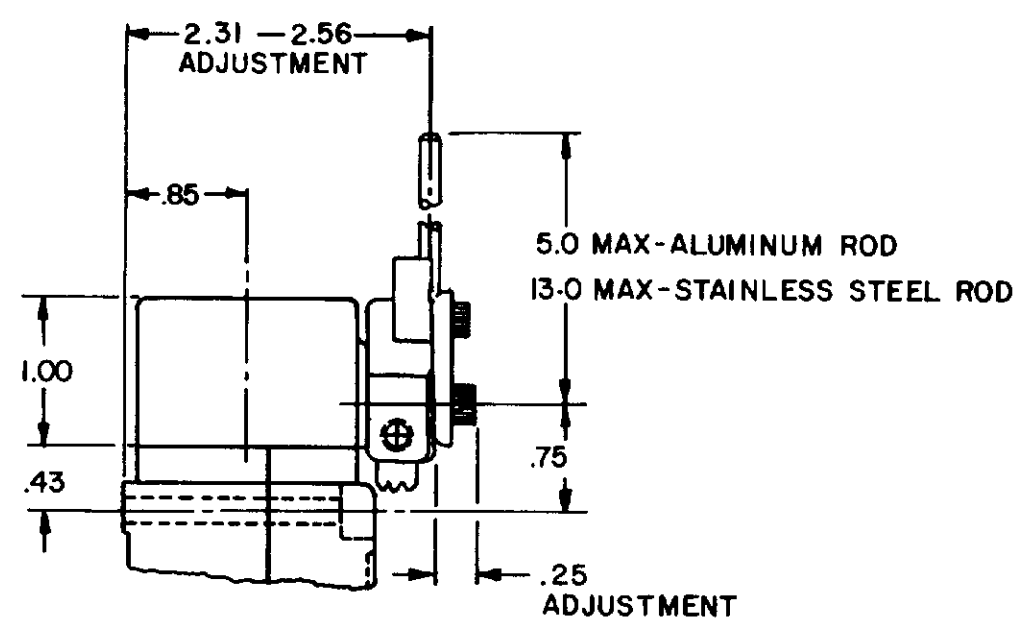
LSZ51 TYPE LEVERS



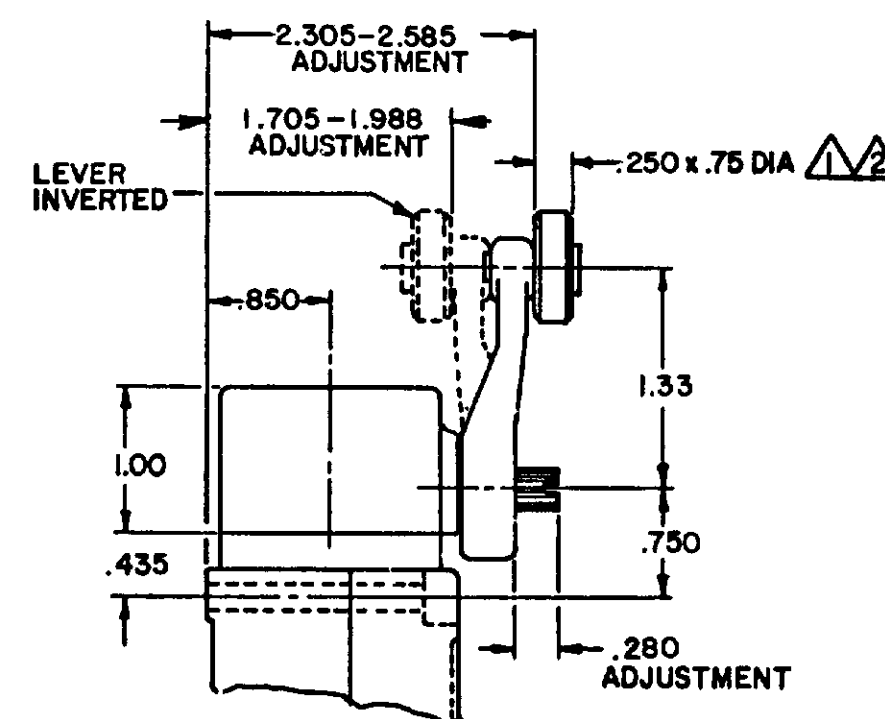
LSZ55 TYPE LEVERS



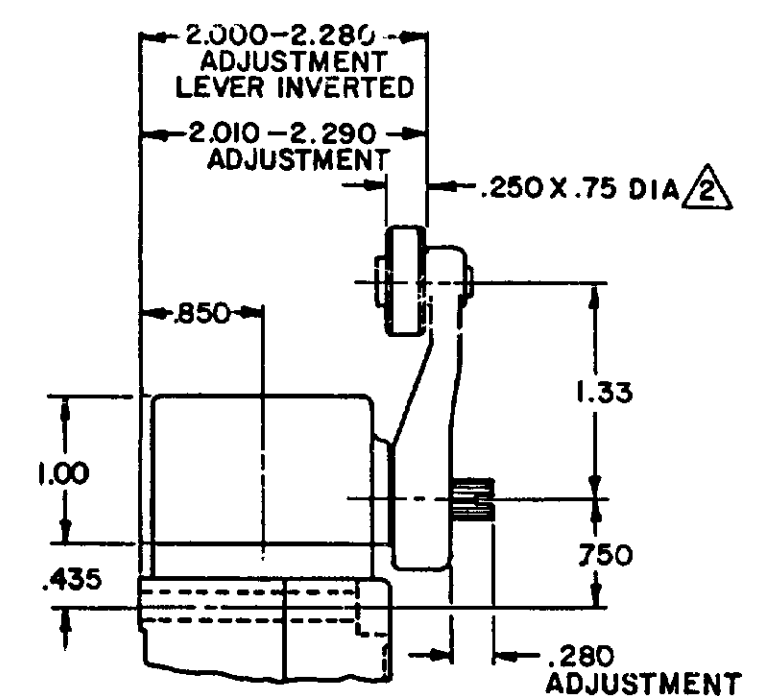
LSZ52 TYPE LEVER



LSZ54 TYPE LEVER



OPEN MOUNTED ROLLER



CLOSED MOUNTED ROLLER

LSZ59 TYPE LEVERS

NOTES

- 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

CATALOG LISTING
LSA-LSW SERIES CHART 1
PAGE 2 OF 10
REPLACES LSA-LSW SERIES
10JUL07 RELEASE NO. CO-78498
PSR
CHECK
11AUG04
AK
11JUL94
JAF
15JUN94
MAM
DRAWN
MASTER

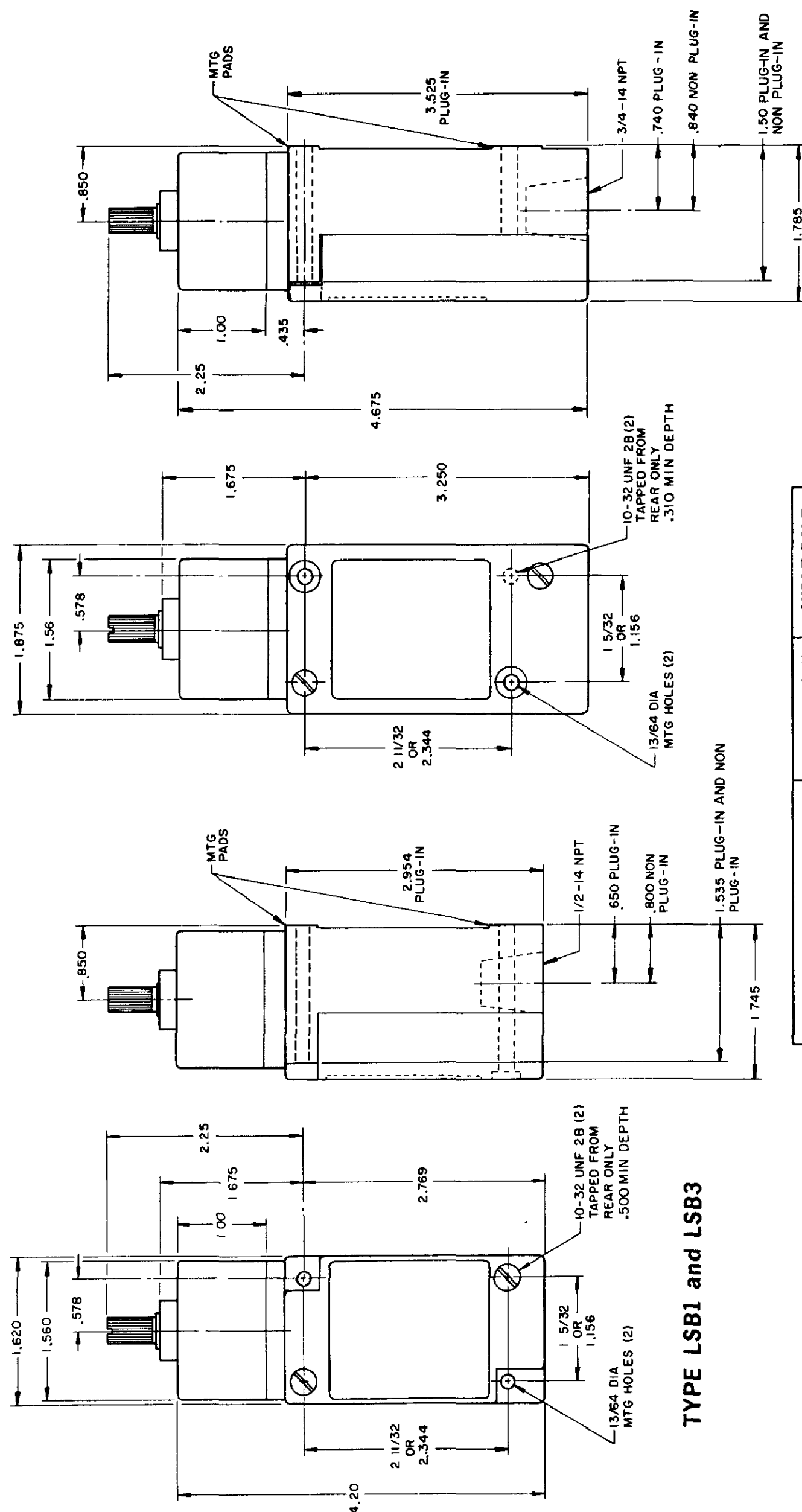
REV	DATE	BY	CHK	DESCRIPTION
1	0031956			
2	10JUL07	BS		
3	201004	B		
4	10AUG00	C SL		
5	201748	C		
6	17NOV00	C SL		
7	202198	D		
8	20JAN01	E		
9	204871	F		
10	206581	F		
11	14OCT02	G		
12	206763	G		
13	31OCT02	H		
14	207178	H		
15	14JAN03	J		
16	207474	J		
17	18FEB03	K		
18	0006871	K		

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			

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

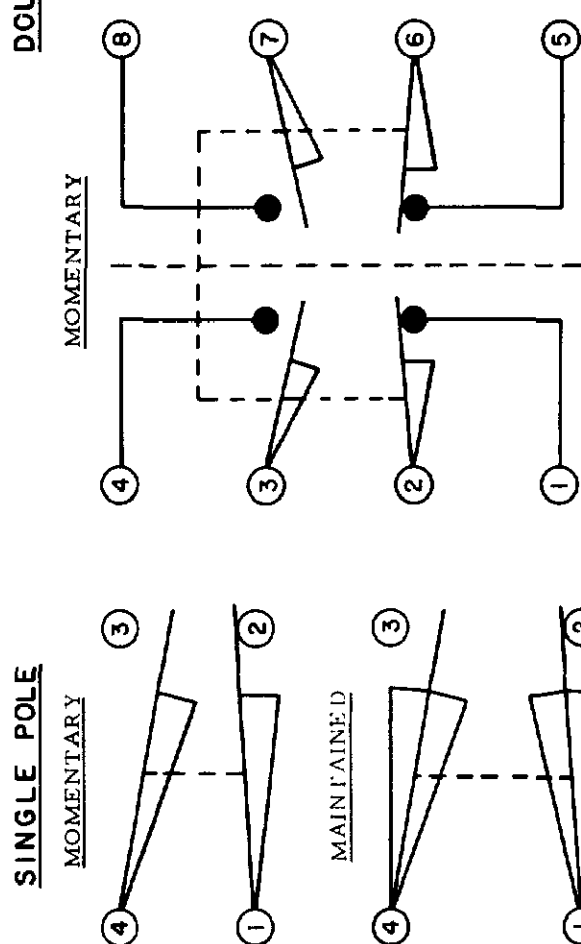
VOLTAGE	
5 AC OR DC MIN	01 AMP MIN
600 AC	720 VA
240 DC	30 WATT

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

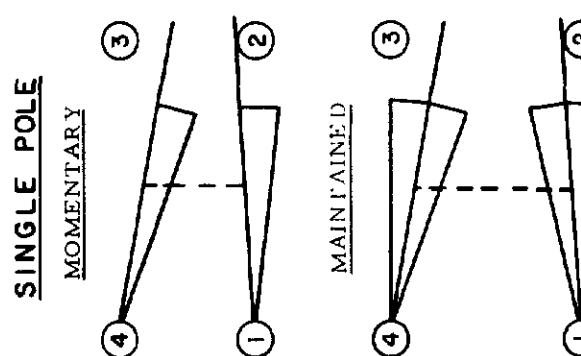
D. C. VOLTAGE	MAKE AND BREAK AMPS	
	INDUCTIVE	RESISTIVE
30	4.2	4.2
120	1.1	1.1
240	.55	.55

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

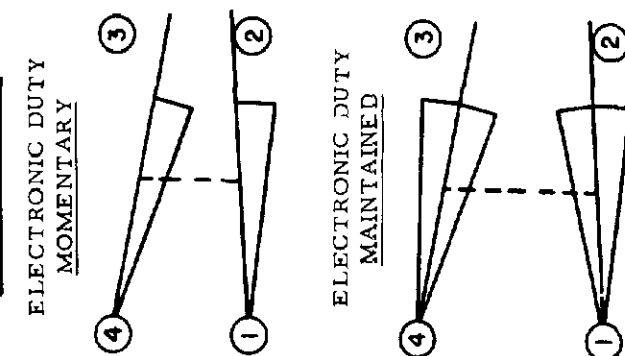
DOUBLE POLE



SINGLE POLE



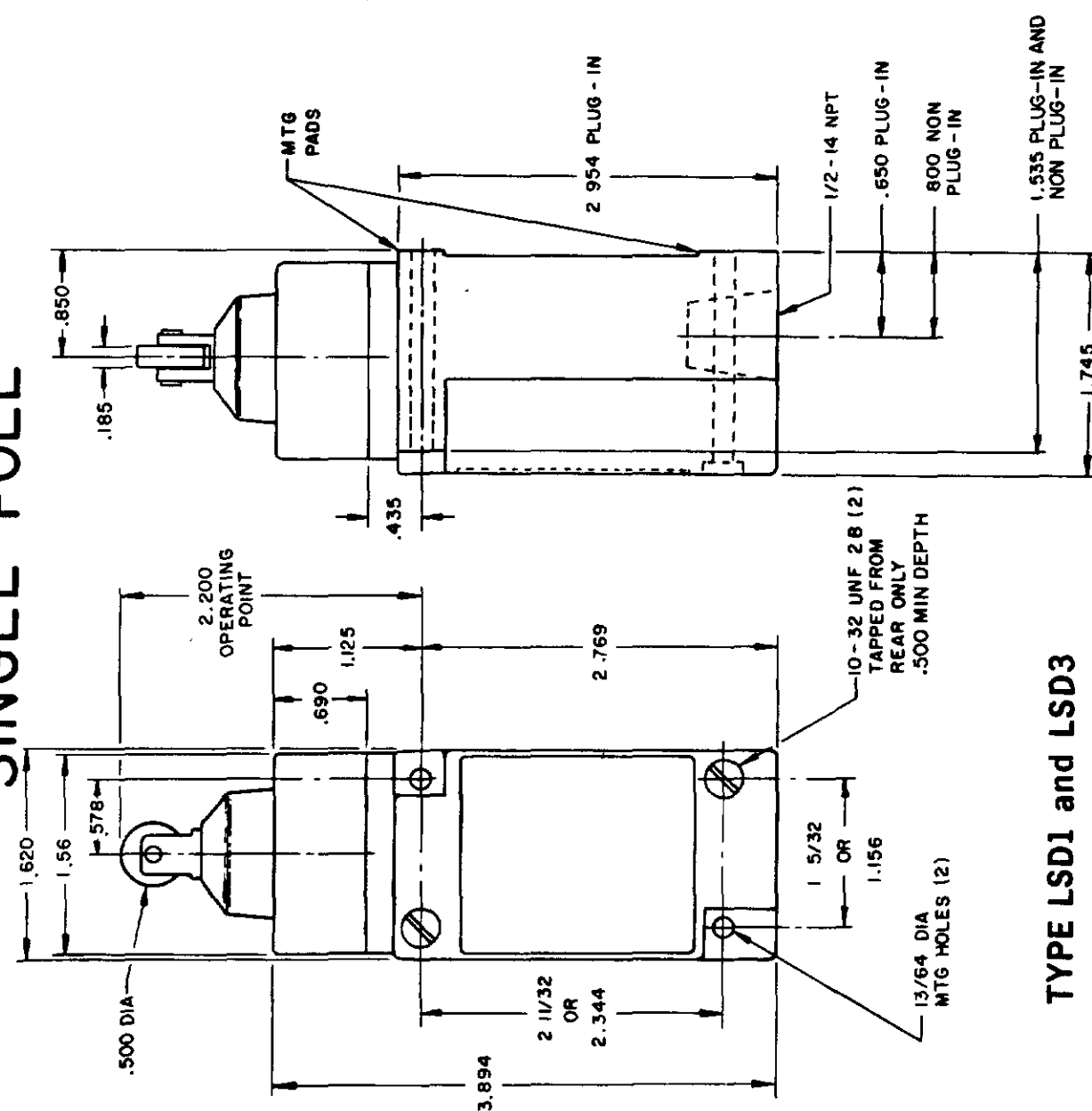
SINGLE POLE



DIRECT ACTING

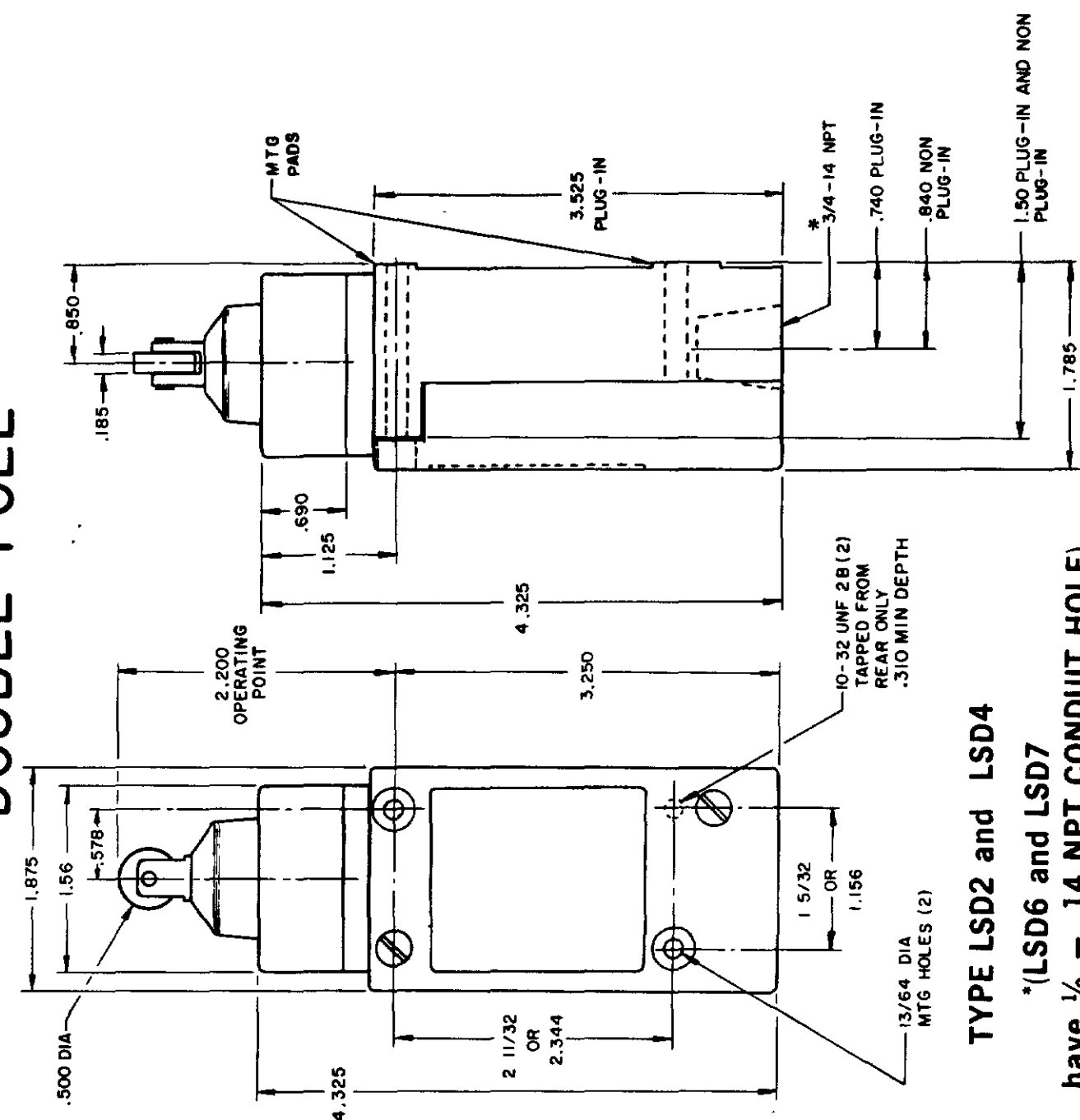


SINGLE POLE



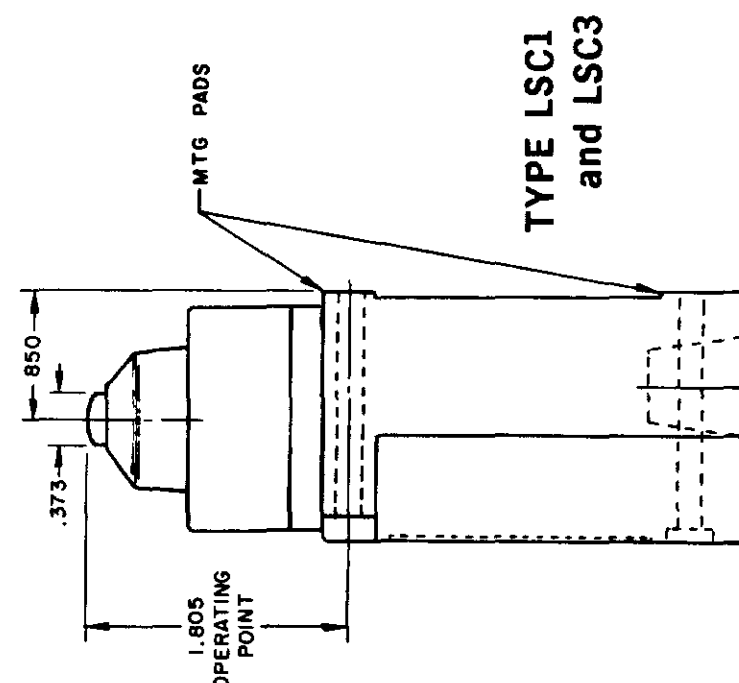
TYPE LSD1 and LSD3

DOUBLE POLE

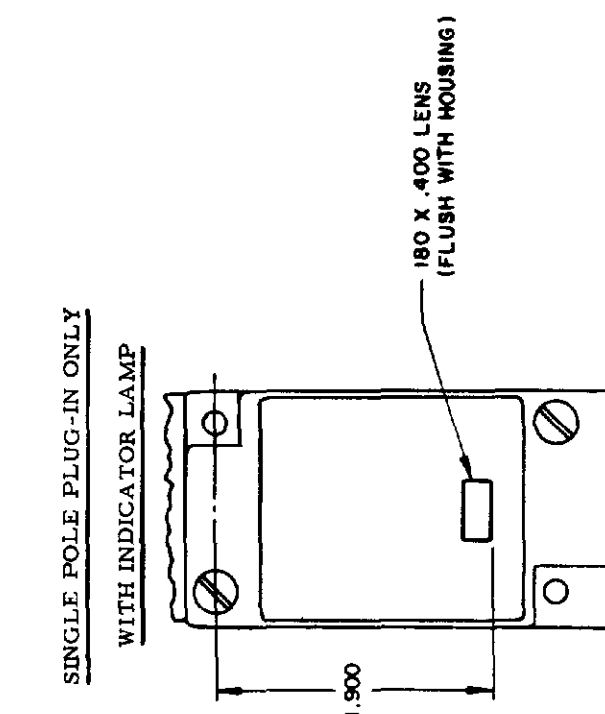


TYPE LSD2 and LSD4

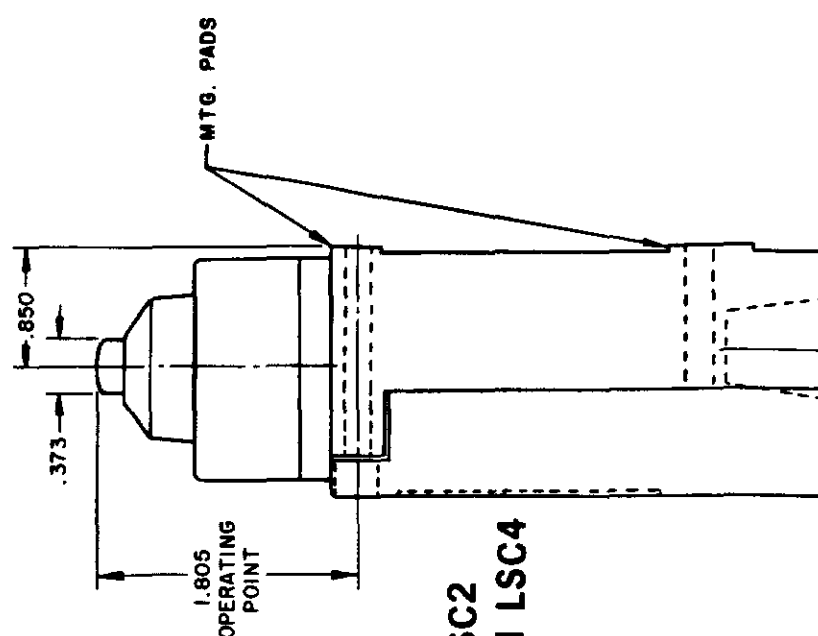
*(LSD6 and LSD7 have 1/2 - 14 NPT CON



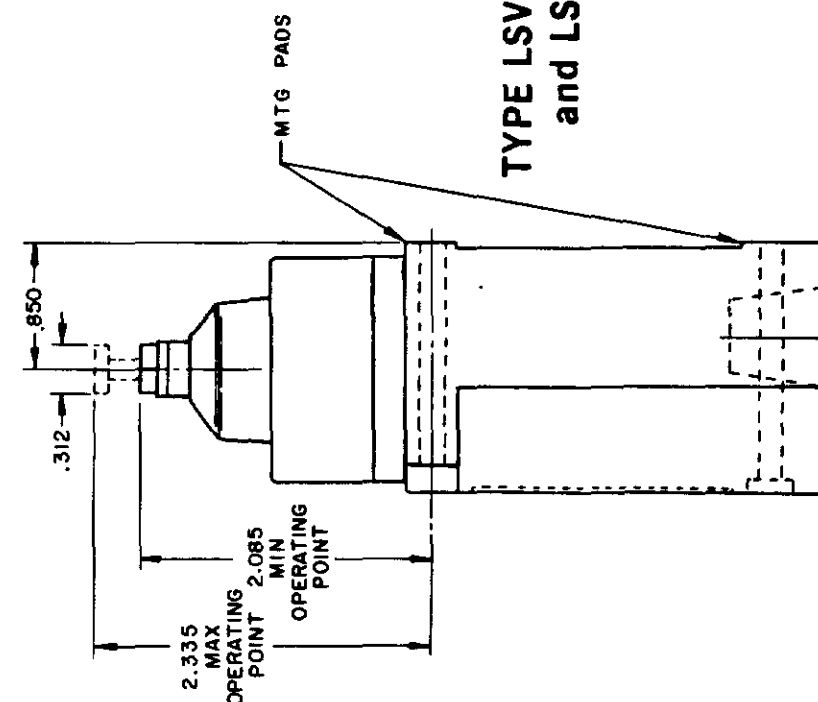
TYPE LSC1 and LSC3



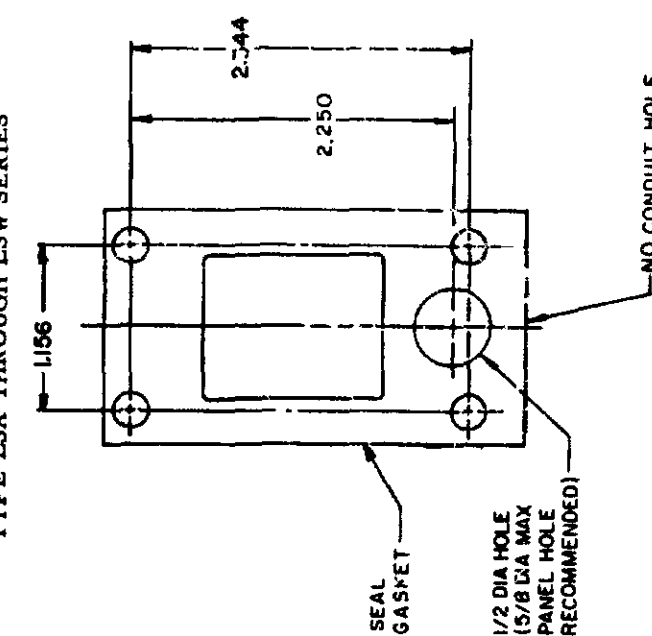
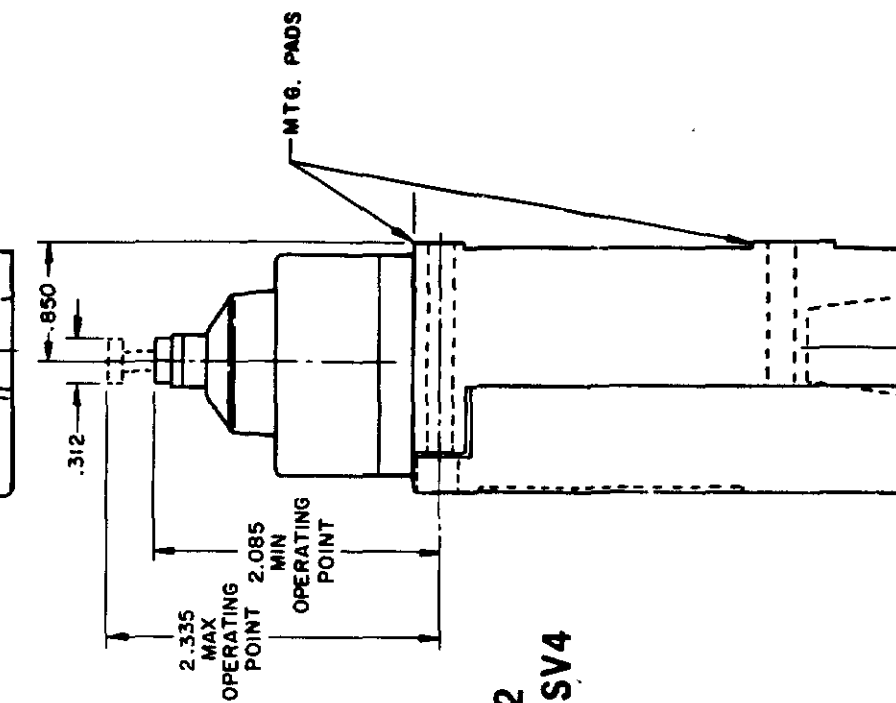
**TYPE LSC2
and LSC4**



**TYPE LSV1
and LSV3**



**TYPE LSV2
and LSV4**



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SWITCH - ENCLOSED

CATALOG LISTING

LSA-LSW SERIES

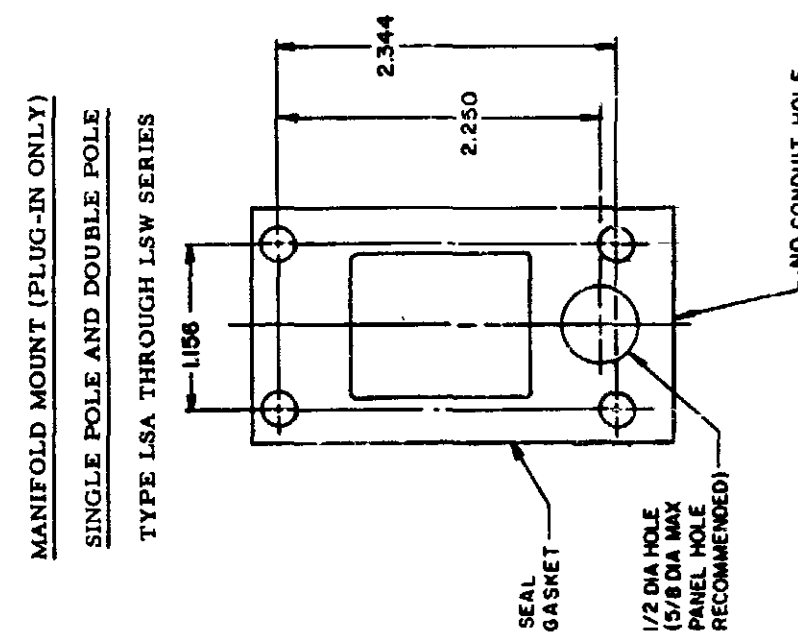
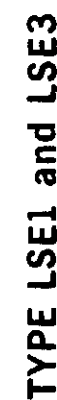
CHART 1

PAGE 4 OF 10

SCALE NONE

NO-NOT-SCALE-PRINT

SINGLE POLE DOUBLE POLE



FED MFG CODE 91928

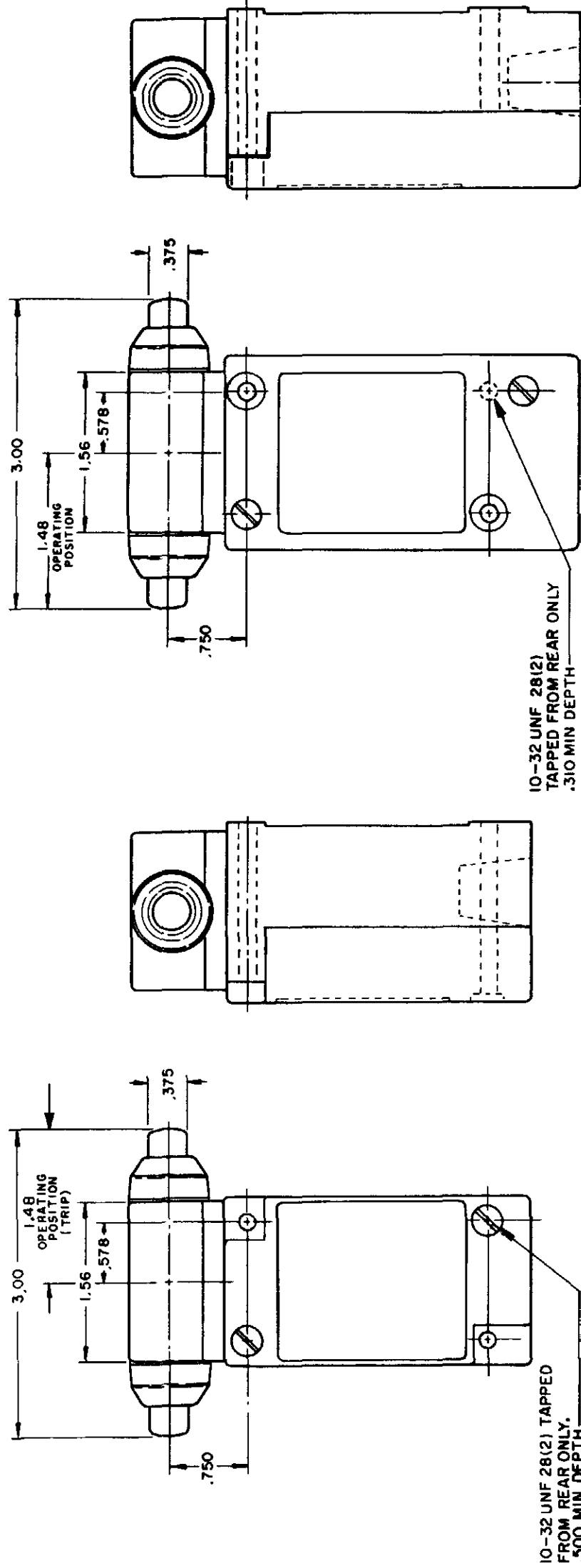
CATALOG LISTING

LSA-LSW SERIES

CHART 1

SCALE NONE

DO NOT SCALE PRINT



TYPE LSG1 and LSG3

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	LSG PLUNGER MAINTAINED	SEQUENCE BASIC	
					LSE	LSF
PRETRAVEL (MAX)	.100	.100	.100	.170	1ST STEP .100	LSW
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	BS	10 JUL 07	10031956
	B	201004	
C	10 AUG 00		
	C	201748	
D	17 NOV 00		
	D	202198	
E	23 JAN 01		
	E	204871	
F	14 FEB 02		
	F	206581	
G	14 OCT 02		
	G	206763	
H	31 OCT 02		
	H	207179	
J	14 JAN 03		
	J	207474	
K	18 FEB 03		
	K	0006871	
11 AUG 04			

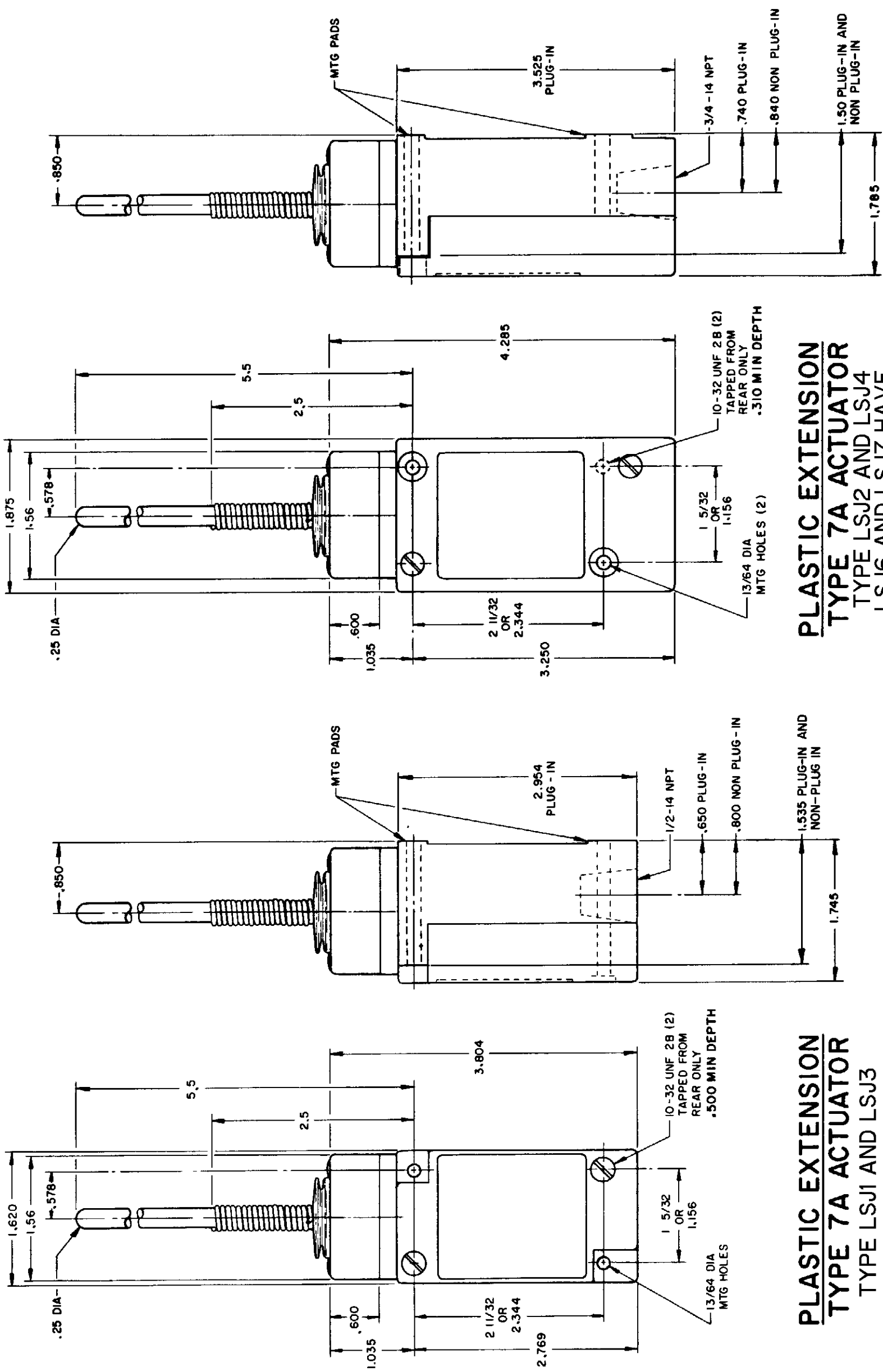
ISSUE	12	PSR	10 JUL 07	RELEASE NO	CO-78498	REPLACES	LSA-LSW SERIES
LSA-LSW SERIES CHART 1							
PAGE 7 OF 10							

CATALOG LISTING		M LSA-LSW SERIES CHART 1	
12		PAGE 7 OF 10	
PSR		10 JUL 07	
RELEASE NO		CO-78498	
REPLACES		LSA-LSW SERIES	

MAAM 15 JUN 94
DRAWN

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

MICRO SWITCH
a Honeywell Division

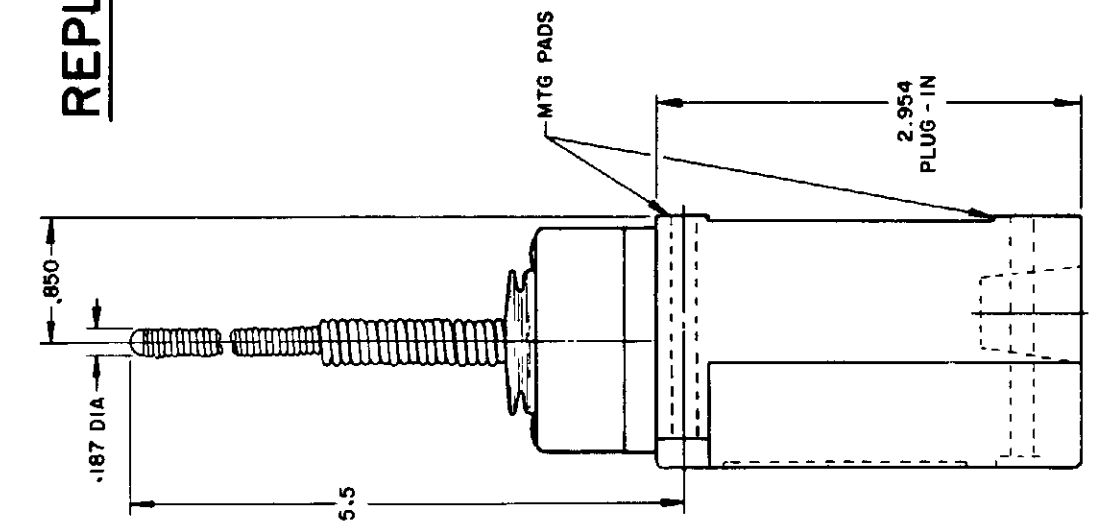
FED MFG CODE 91929

SWITCH - ENCLOSED

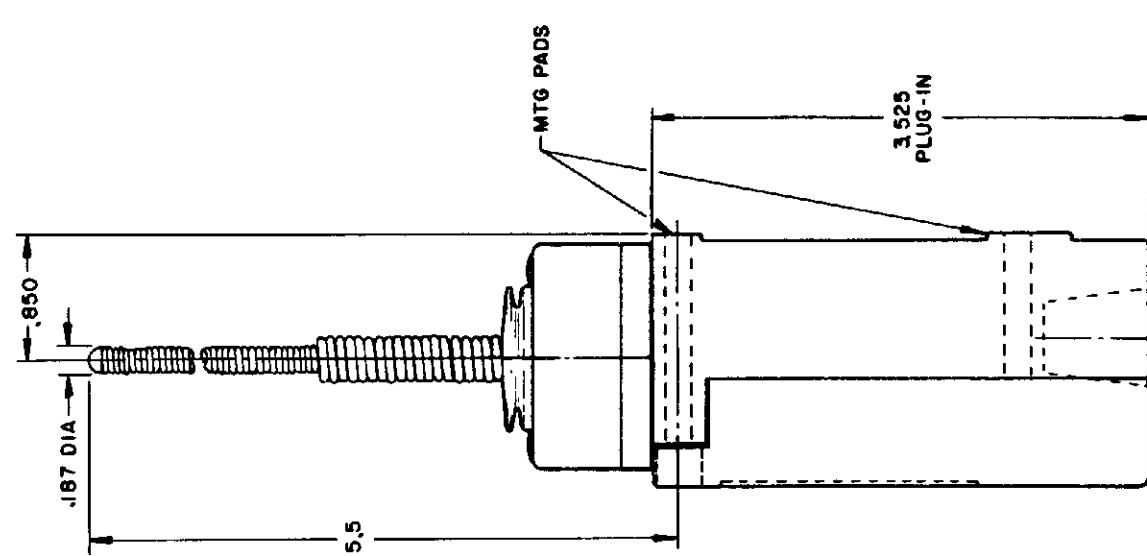
CATALOG LISTING
LSA-LSW SERIES
CHART 1

PAGE 7 OF 10

SCALE NONE
DO NOT SCALE PRINT

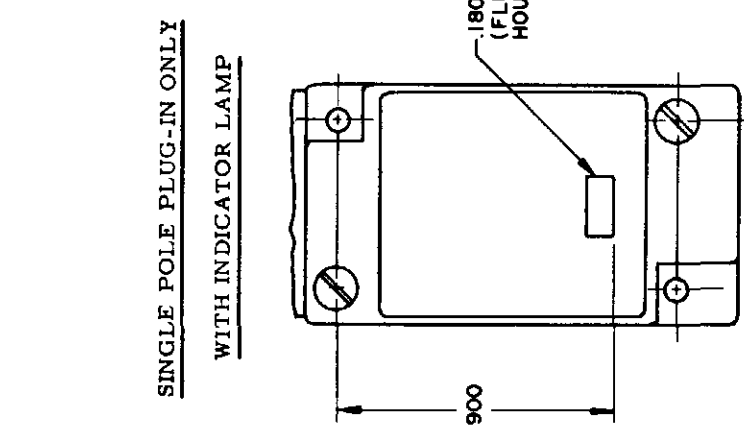


CABLE EXTENSION
TYPE 7N ACTUATOR

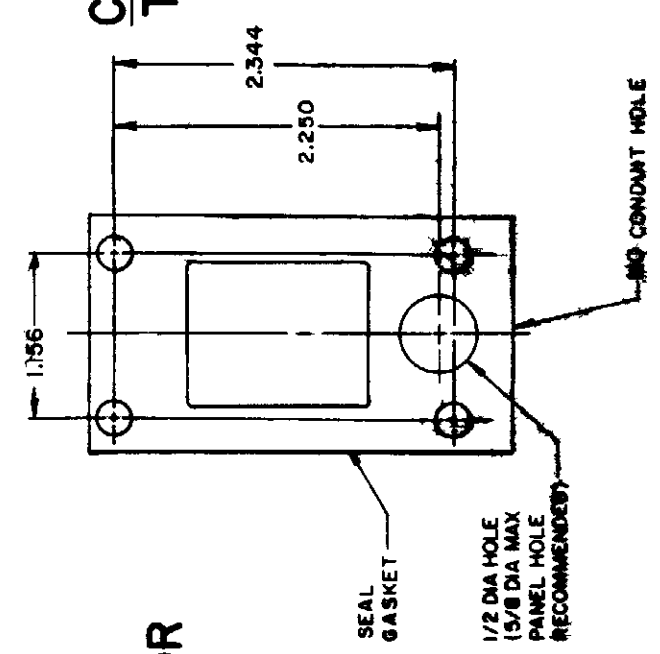


CABLE EXTENSION
TYPE 7N ACTUATOR

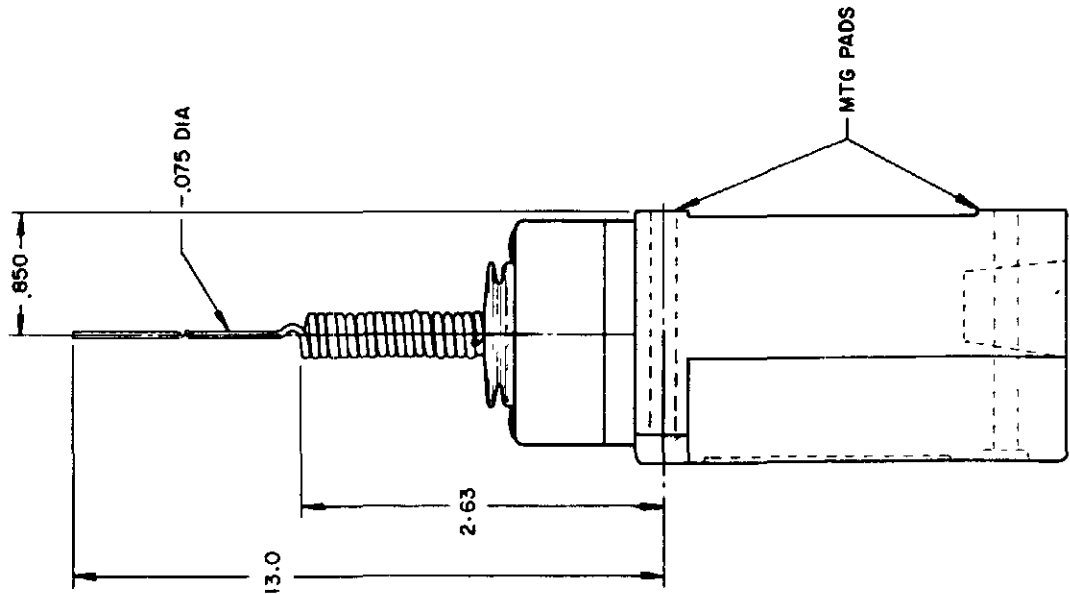
REPLACEMENT ACTUATOR
LSZ-4009



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



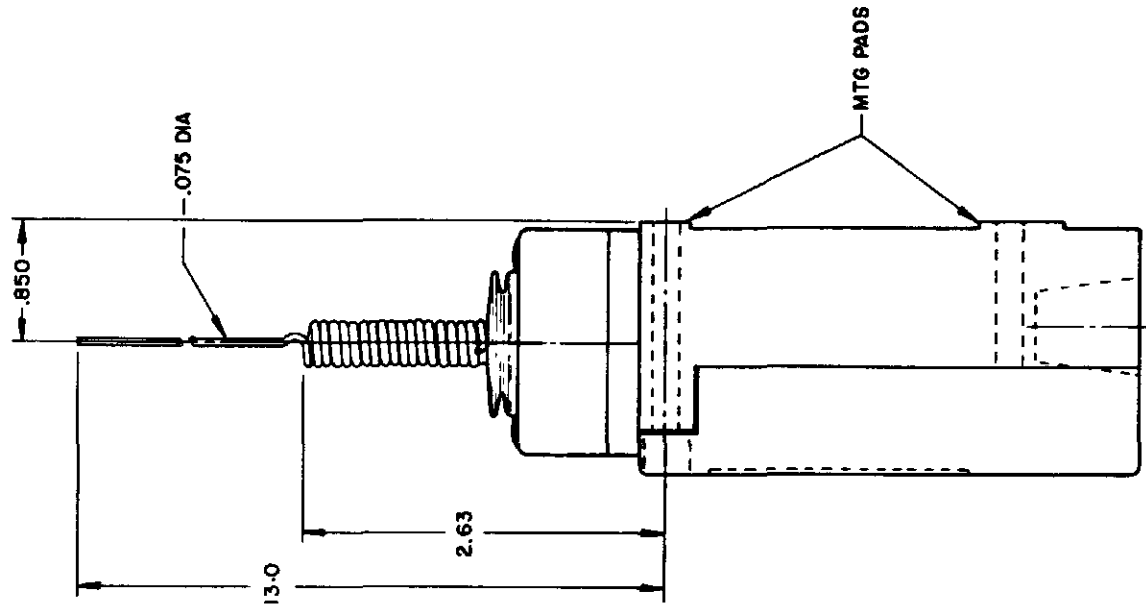
REPLACEMENT ACTUATOR
LSZ-4011



WIRE EXTENSION TYPE 7M ACTUATOR

TYPE LSJ1 and LSJ3

REPLACEMENT ACTUATOR - LSZ 4010

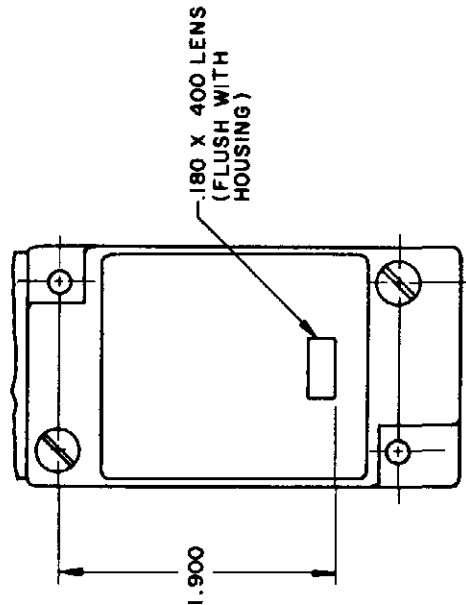


WIRE EXTENSION TYPE 7M ACTUATOR

TYPE LSJ2 and LSJ4

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

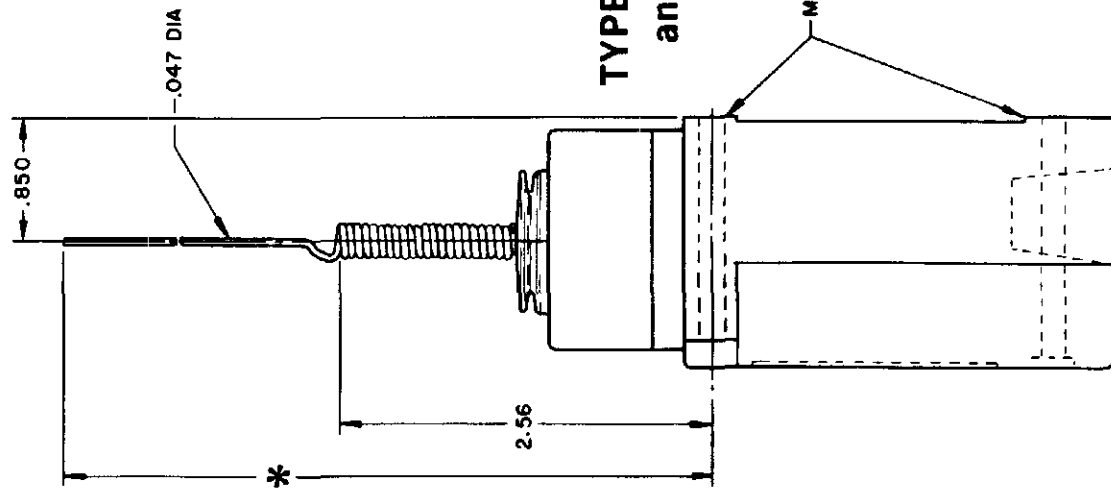
SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP



120 LAMP VOLTAGE TYPE LSJ5
240 LAMP VOLTAGE TYPE LSJ8

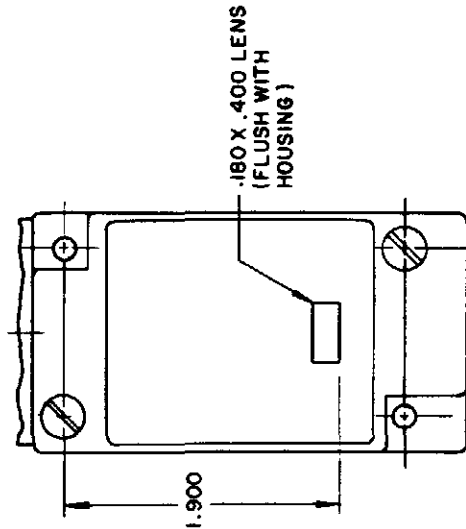
CAT WHISKER

SINGLE POLE



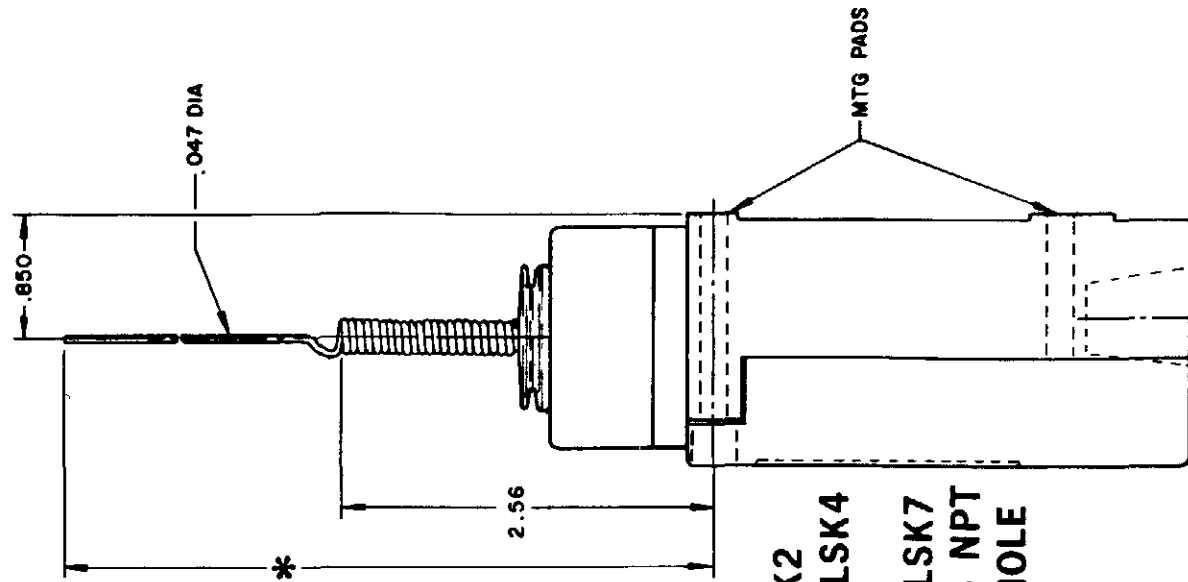
TYPE LSK1
and LSK3

SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP



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

DOUBLE POLE



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

* 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

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

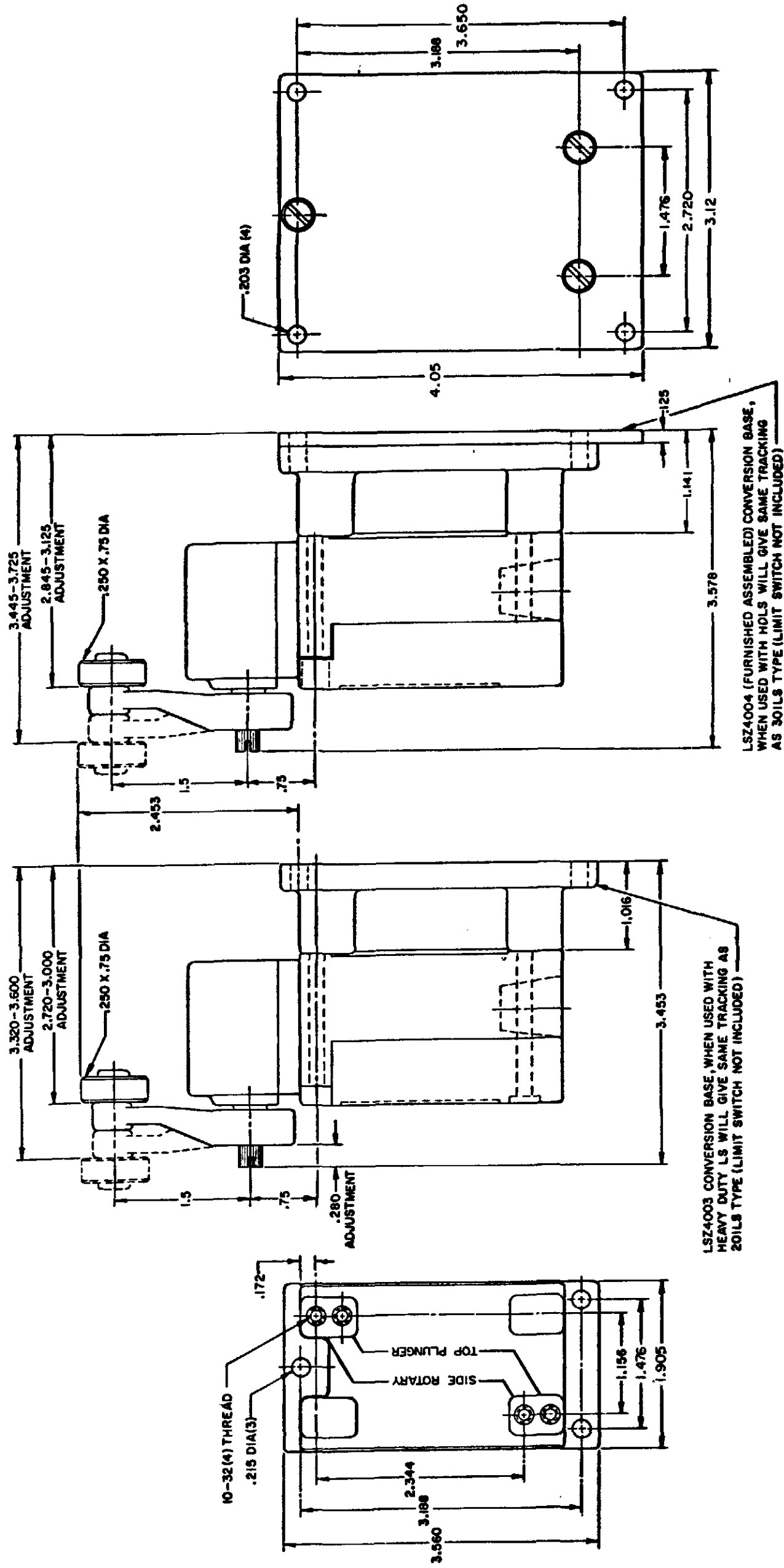
SCALE NONE
DO NOT SCALE PRINT

PRETRAVEL (APPROX) IN. RADIUS	CAT. WHISKER		WOBBLE STICK	
	5/16" COIL	5/16" WIRE	7/16" ROD	WIRE
	2	2	4.5	1.5
OPERATING FORCE-OZ (MAX)	7.0	5.0	3.0	7.0

CONVERSION BASES

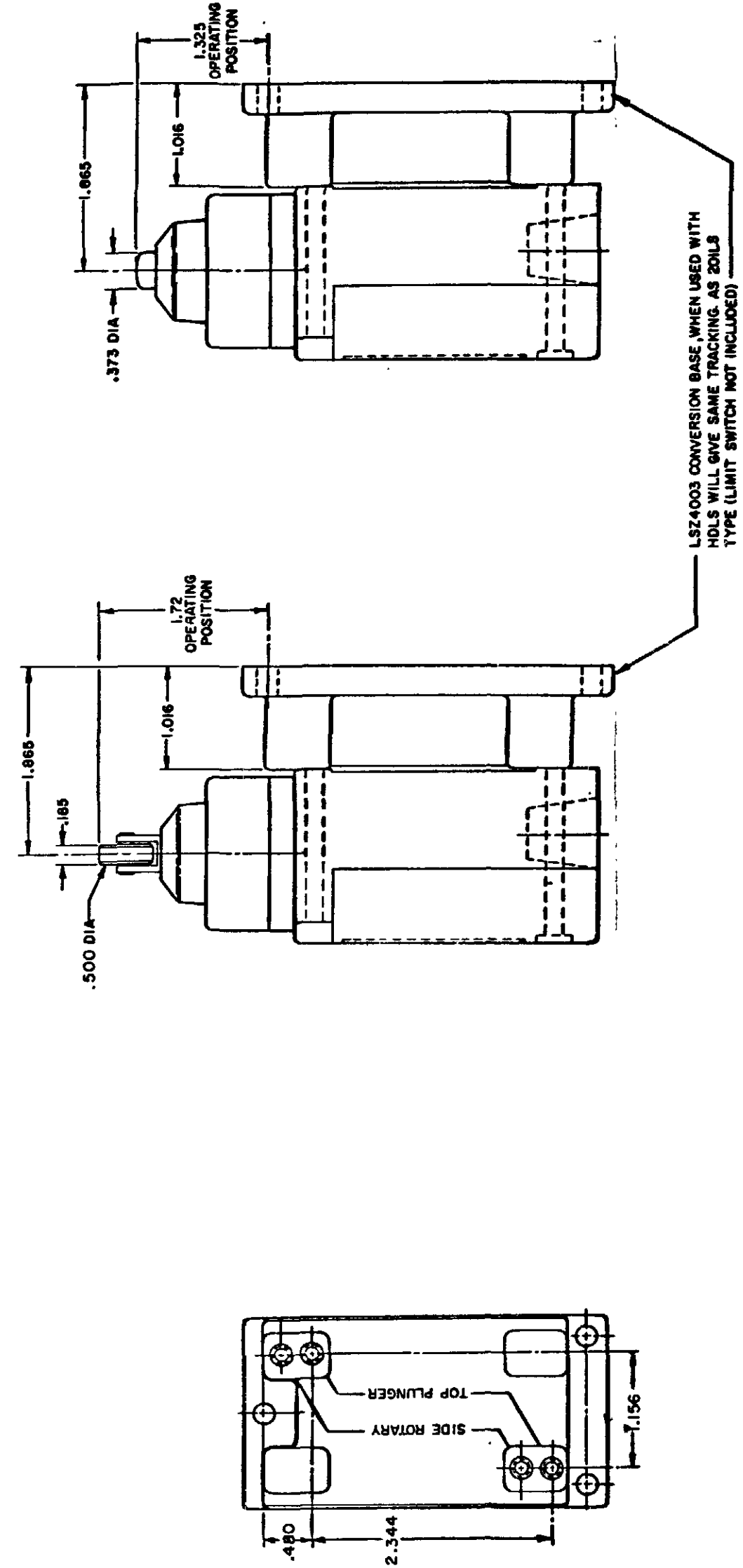
**SINGLE POLE
(SIDE ROTARY)
LSZ 4003**

**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 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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MICRO SWITCH
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SWITCH - ENCLOSED

CATALOG LISTING
LSA-LSW SERIES
CHART 1

FED. MFG. CODE 91929

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9