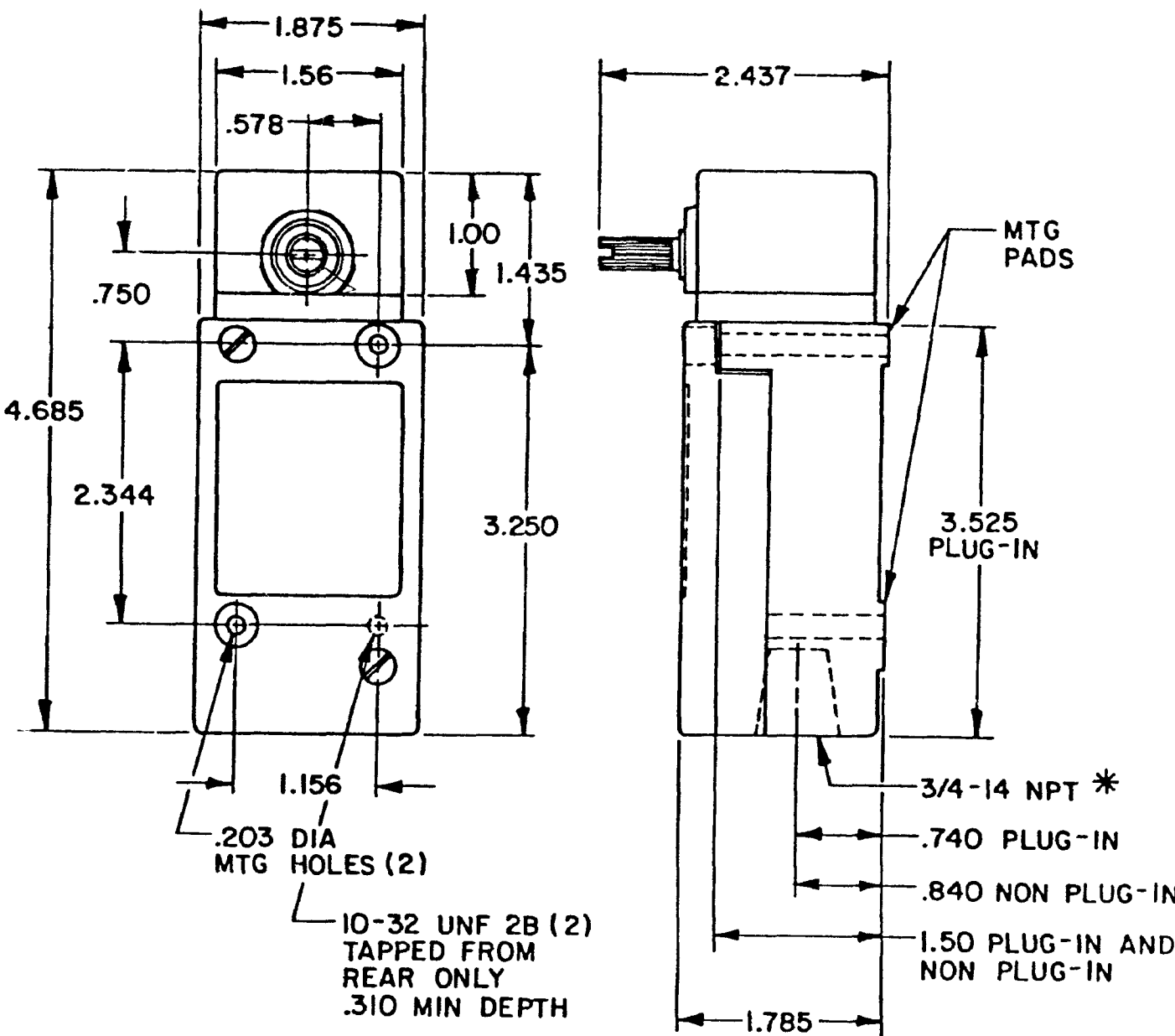


[illegible]

DOUBLE POLE



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

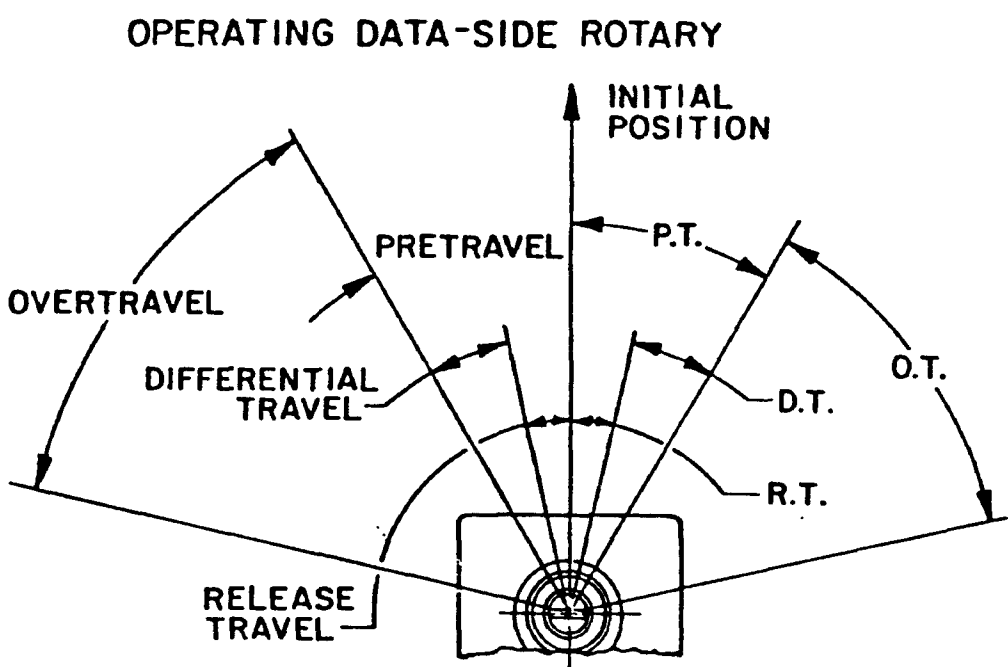
SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP

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 line 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'.

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



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

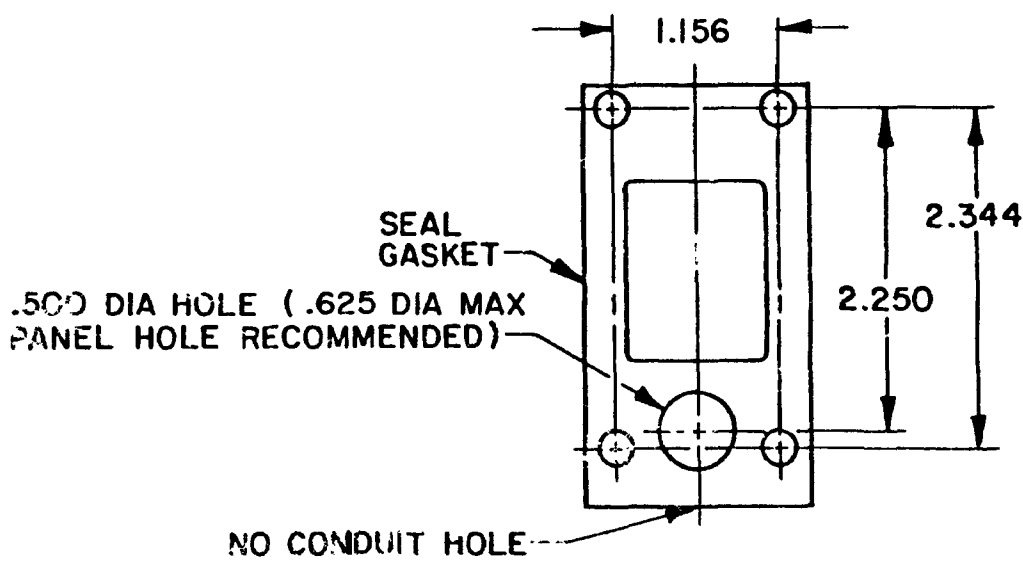


Diagram illustrating the operation of a side rotary gravity return switch mechanism. The diagram shows a central shaft with a switch mechanism mounted on it. The switch is shown in two positions: "SWITCH RELEASED" and "SWITCH OPERATED".

Key components and labels include:

- INITIAL REF POSITION**: The vertical line indicating the starting reference position.
- 3° MAX D.T.**: Maximum deviation to the left.
- 4° (APPROX)**: Approximate deviation to the right.
- RELEASE POINT**: Indicated by a triangle symbol (Δ) on the left.
- OPERATE POINT**: Indicated by a triangle symbol (Δ) on the right.
- SHAFT**: The central rotating component.
- CLOCKWISE OPERATION**: Indicated by a curved arrow pointing downwards on the left.
- COUNTER-CLOCKWISE OPERATION**: Indicated by a curved arrow pointing upwards on the right.

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

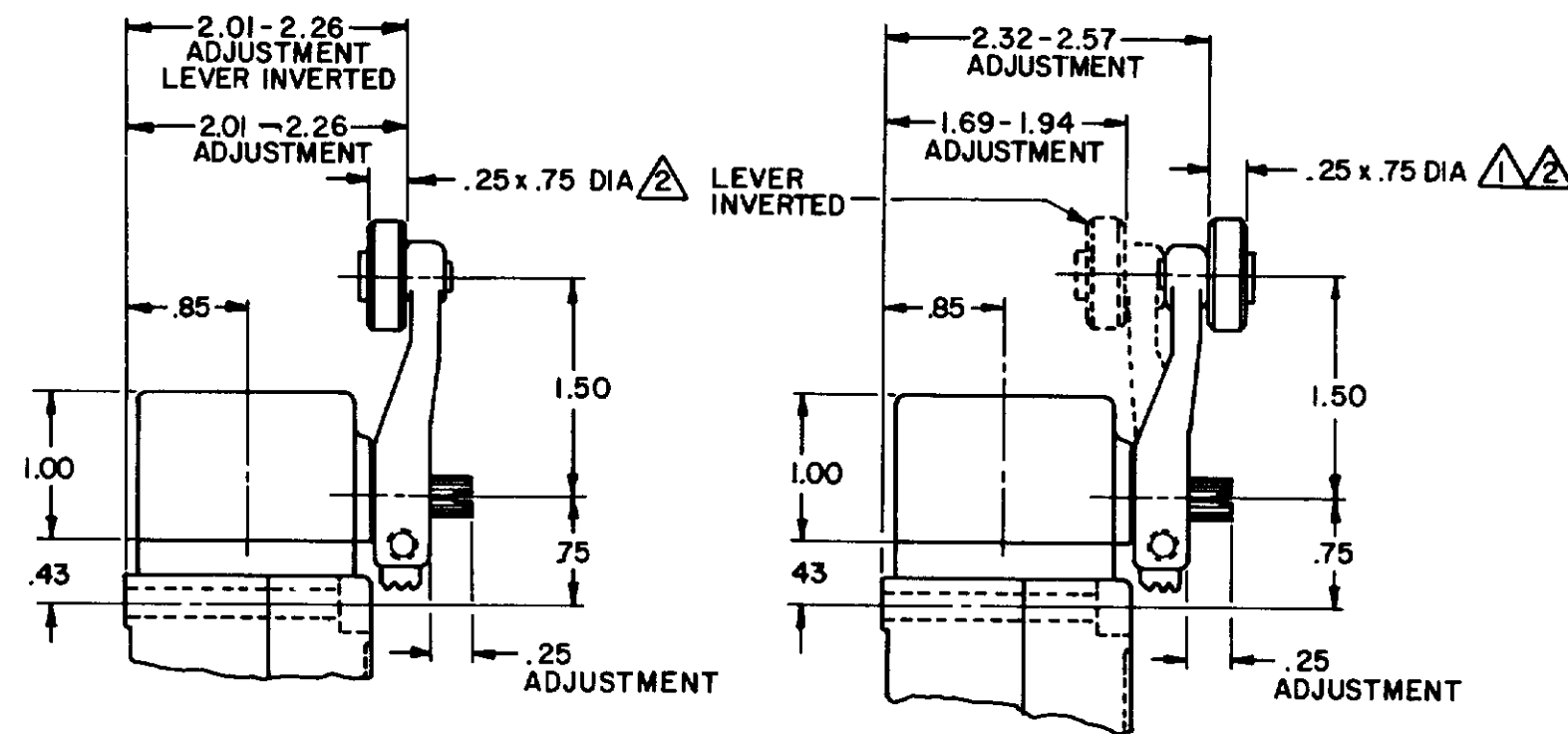
DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE

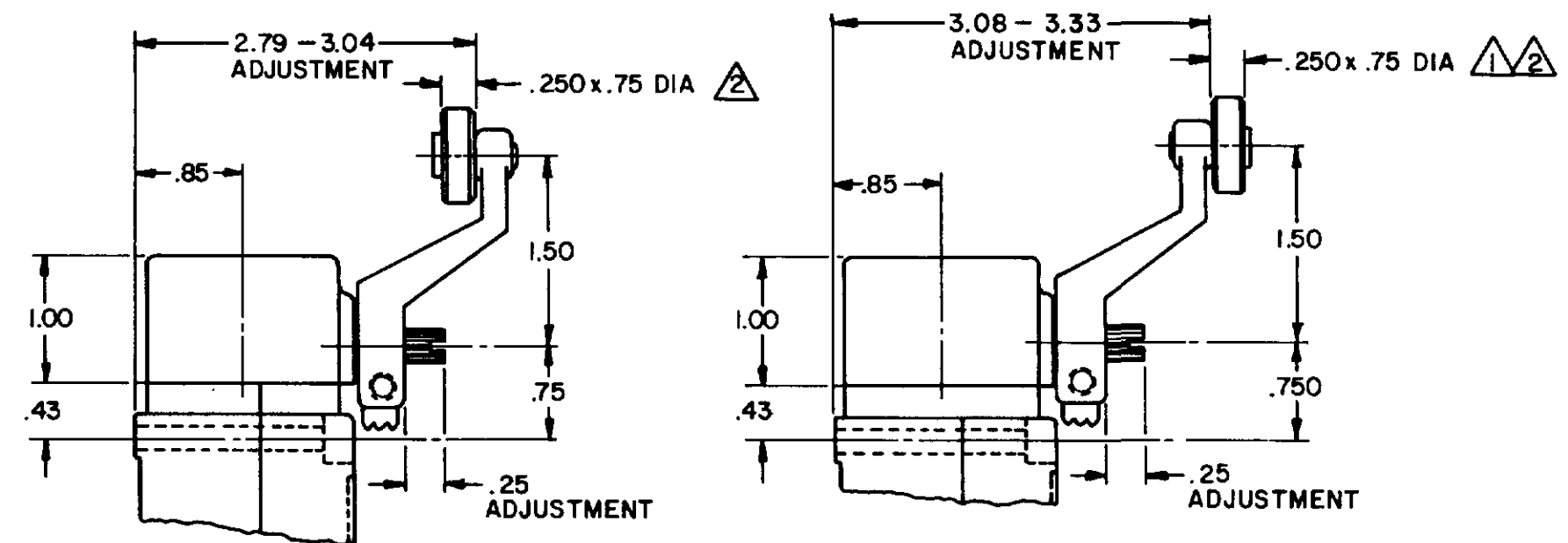
ONE PLACE	(.0)	± .030
TWO PLACES	(.00)	± .015
THREE PLACES	(.000)	± .005
ANGLES		±

WEIGHT

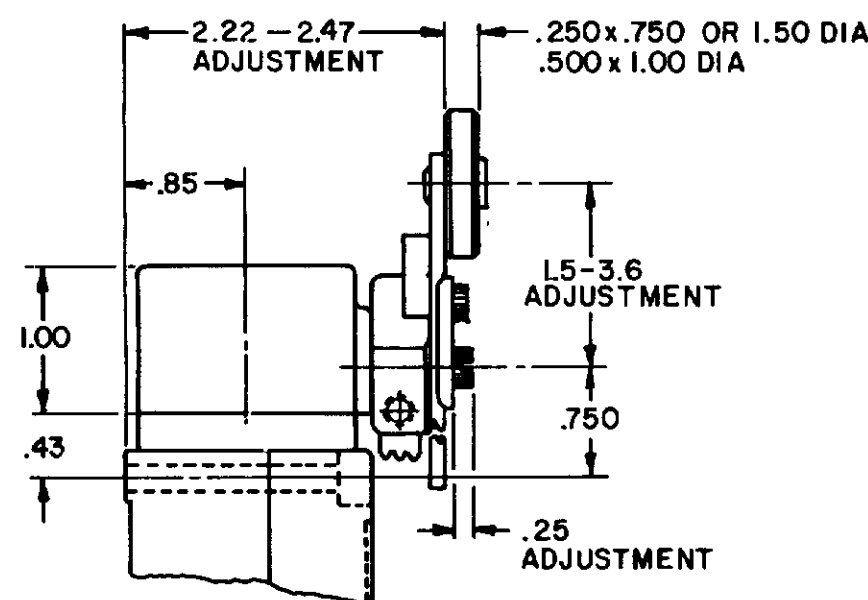
SIDE ROTARY CAM TRACKING



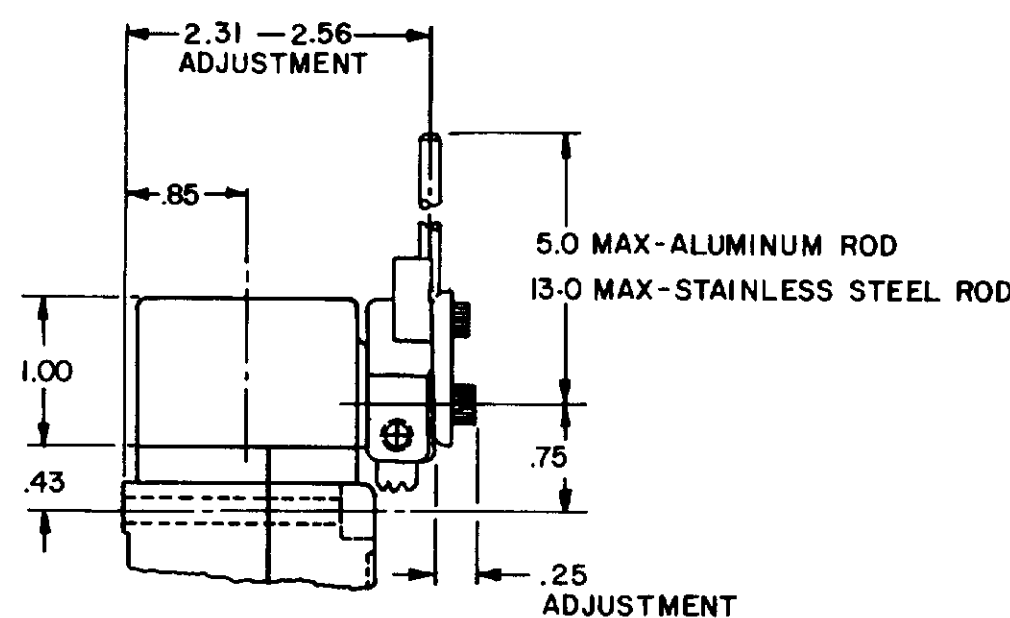
LSZ51 TYPE LEVERS



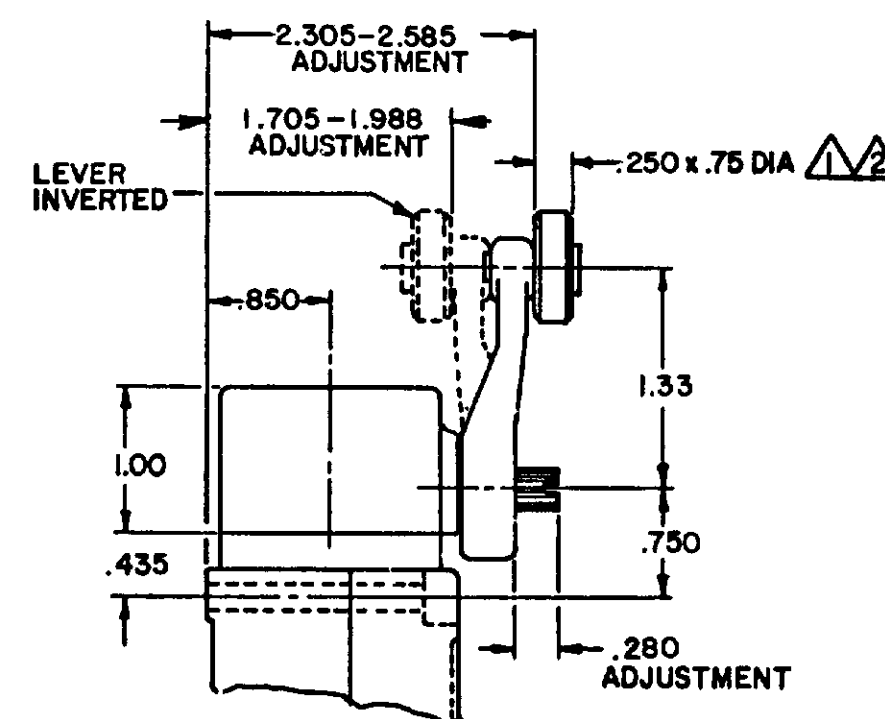
LSZ55 TYPE LEVERS



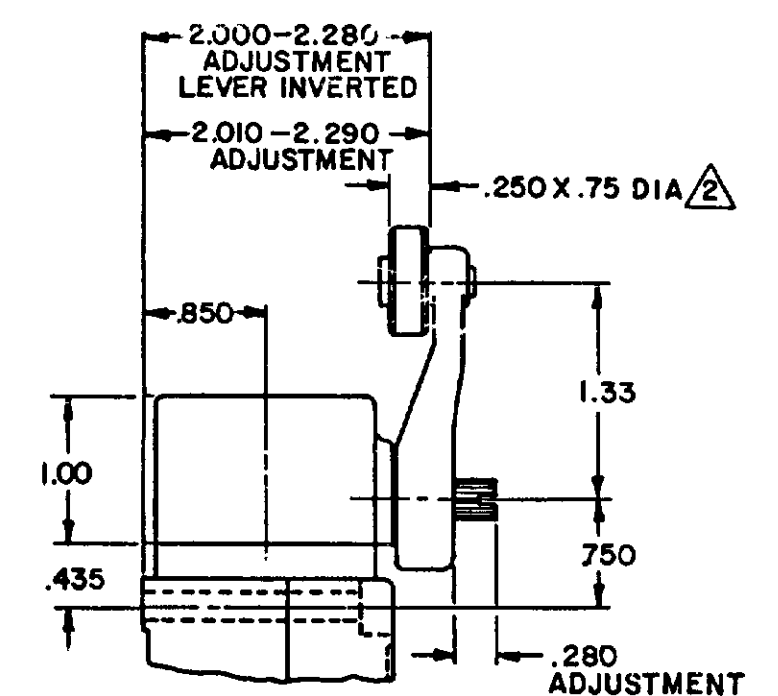
LSZ52 TYPE LEVER



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

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

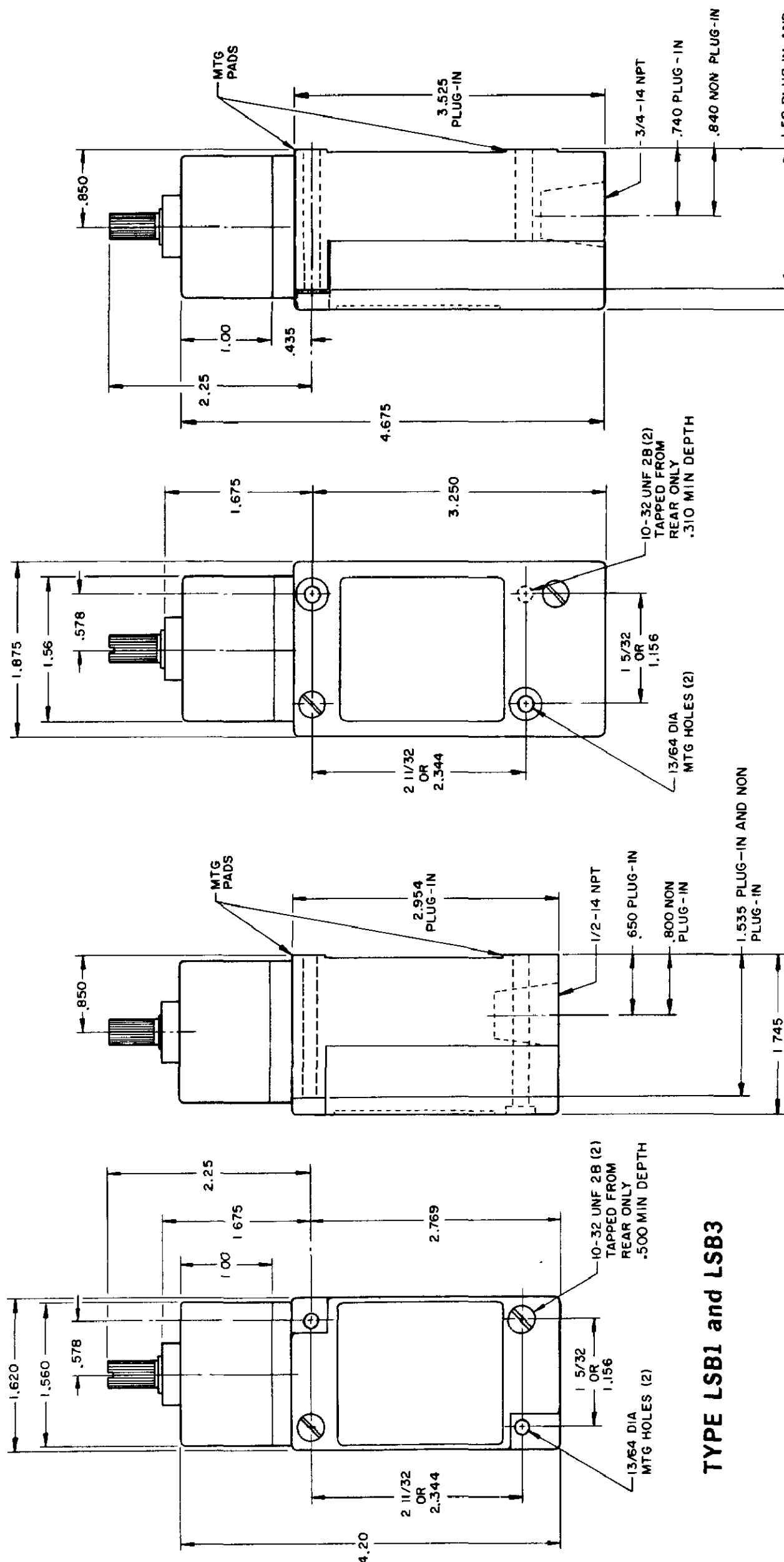
REV	DATE	BY	CHK	DESCRIPTION
1	0031956			
2	10JUL07	BS		
3	201004	B		
4	10AUG00	C		
5	201748	C		
6	17NOV00	C		
7	202198	D		
8	202198	D		
9	204871	E		
10	206581	F		
11	206763	G		
12	207178	H		
13	207474	J		
14	207474	J		
15	207474	J		
16	207474	J		
17	207474	J		
18	207474	J		
19	207474	J		
20	207474	J		

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

	SINGLE POLE	DOUBLE POLE
PRETRAVEL MAX	25°	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

A.C. VOLTAGE	AMPS AT 35 POWER FACTOR			
	SINGLF 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		30 WATT
5 AC OR DC MIN		
600 AC		
240 DC		

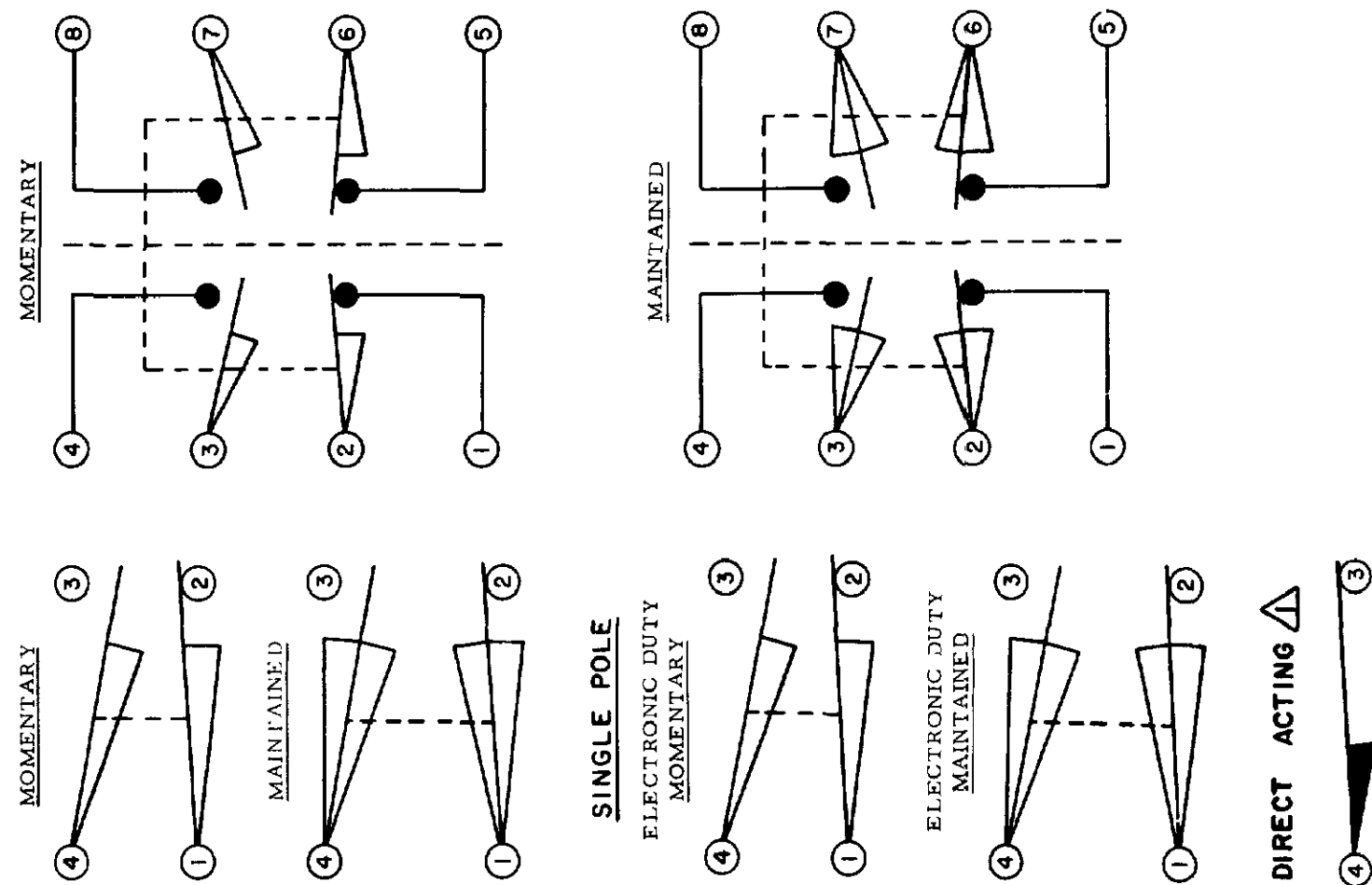
DIRECT ACTING (ALSO RATED AT A.C. 10
AMP CONT.)

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

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

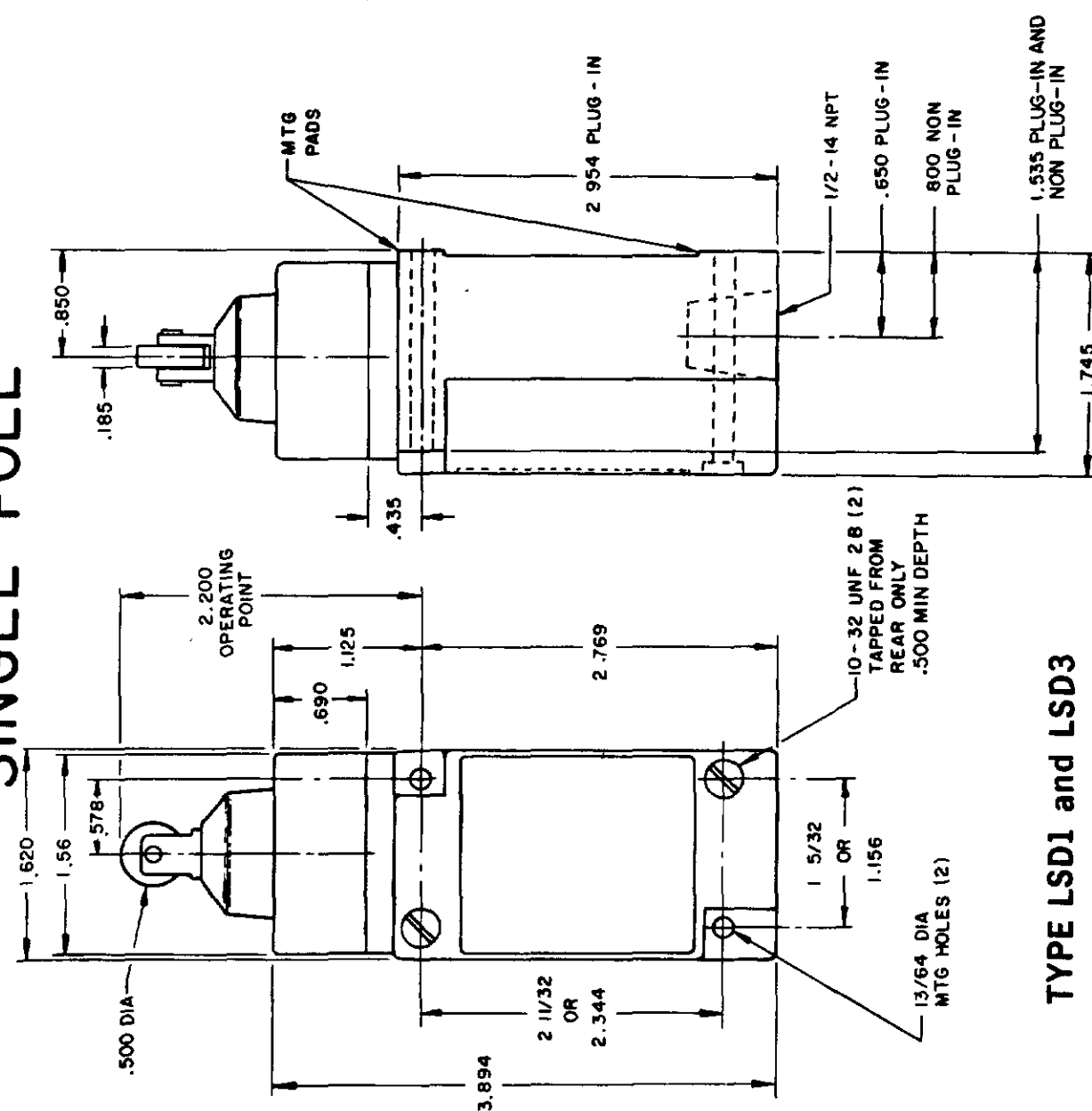
DOUBLE POLE

SINGLE POLE



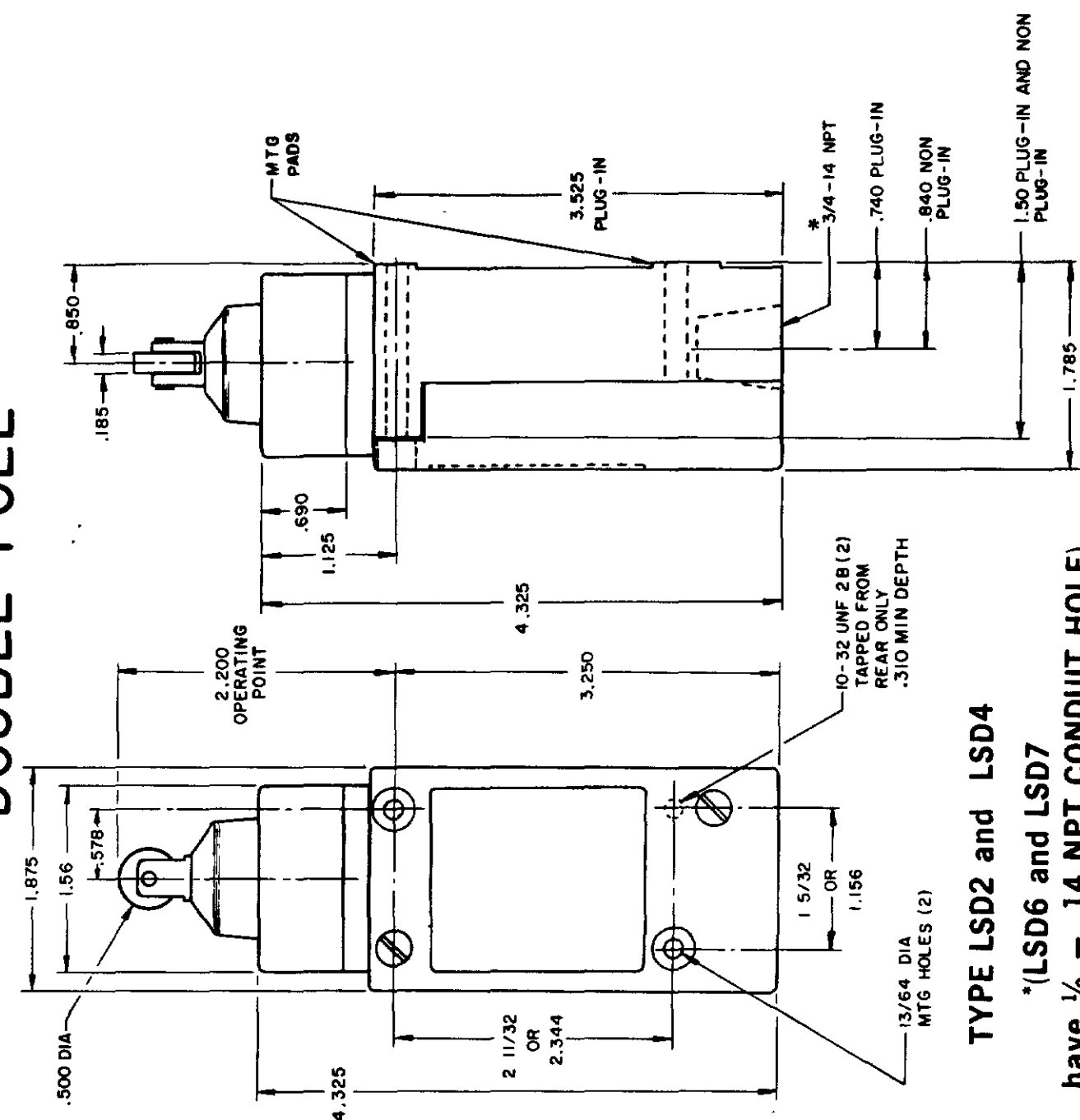
NOTES
Δ DIFFERENTIAL TRAVEL ON ALL OPERATING
CHARACTERISTICS NOT APPLICABLE

SINGLE POLE



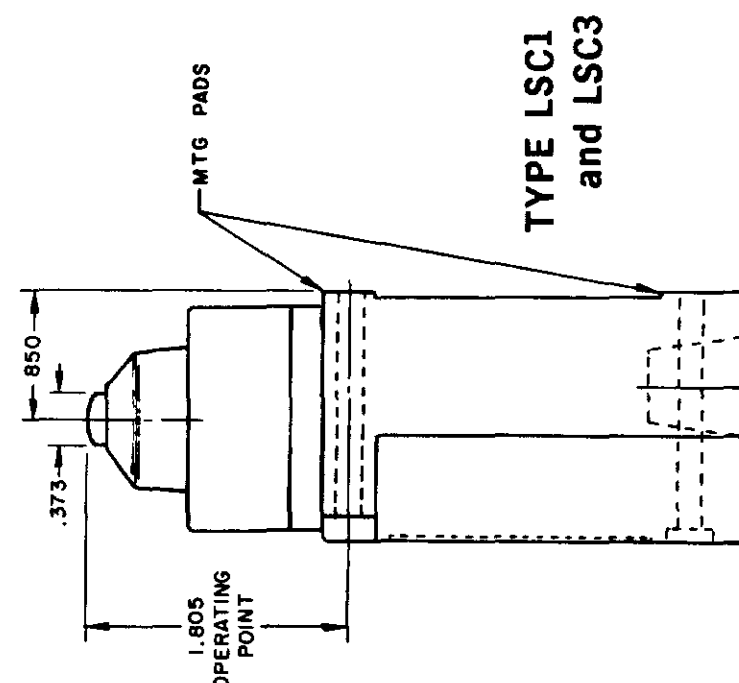
TYPE LSD1 and LSD3

DOUBLE POLE

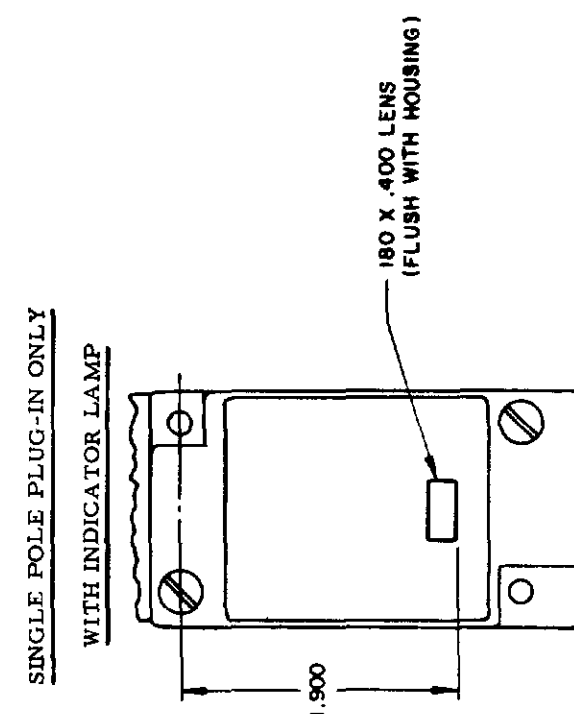


TYPE LSD2 and LSD4

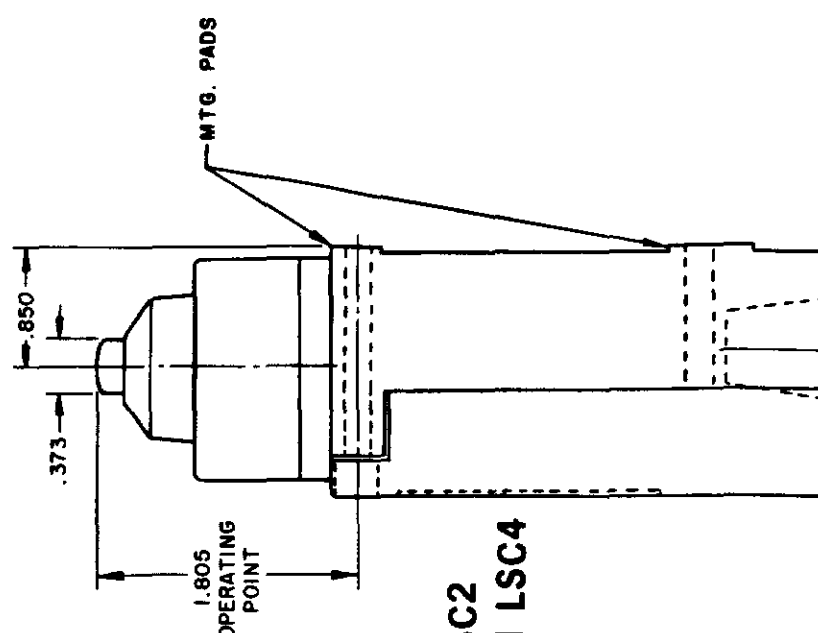
***(LSD6 and LSD7
have 1/2 – 14 NPT CONDUIT HOLE)**



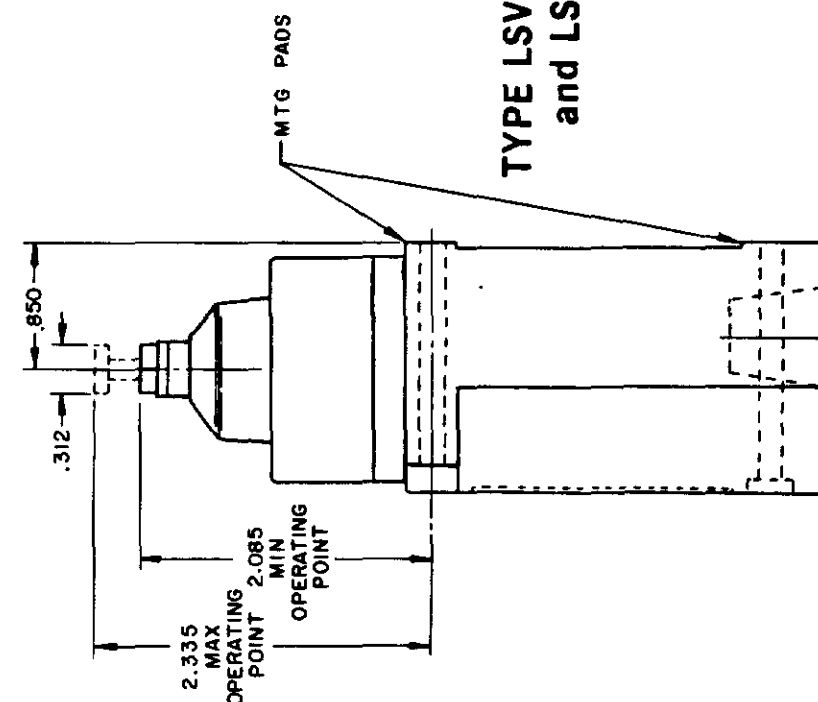
**TYPE LSC1
and LSC3**



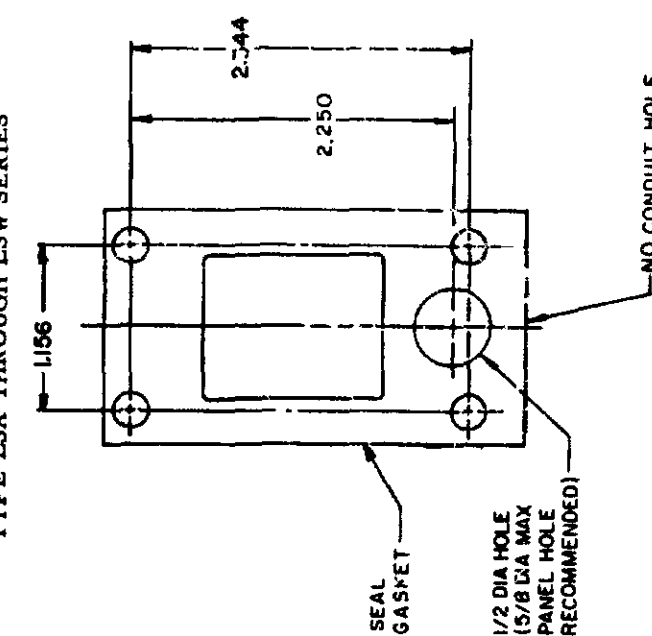
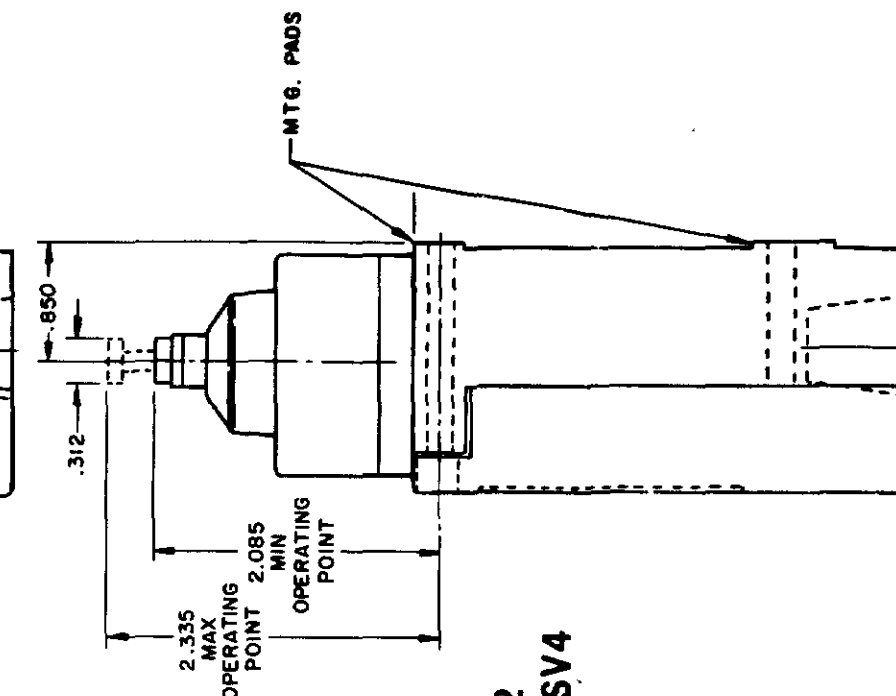
**TYPE LSC2
and LSC4**



**TYPE LSV1
and LSV3**



**TYPE LSV2
and LSV4**



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

SWITCH - ENCLOSED

CATALOG LISTING

LSA-LSW SERIES

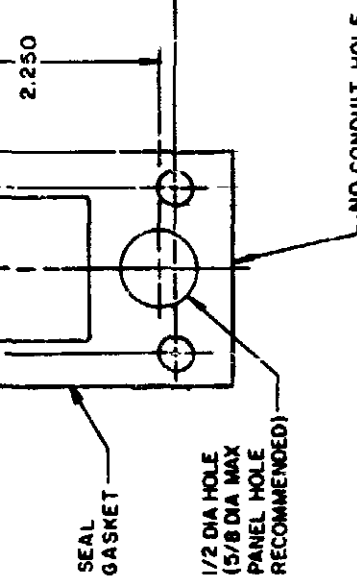
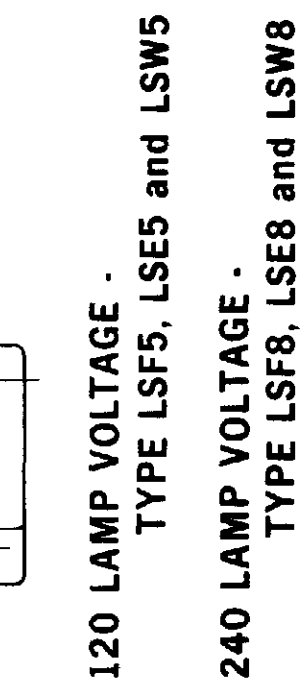
CHART 1

PAGE 4 OF 10

SCALE NONE

DO NOT SCALE PRINT

SINGLE POLE DOUBLE POLE



SCALE NONE

DO NOT SCALE PRINT



TYPE LSG1 and LSG3

INITIAL POSITION —
(FREE POSITION) }
OPERATING POINT }
FULL TRAVEL —

TOP PLUNGER TYPES

OPERATING POINT GIVEN
IN RELATION TO TOP
MOUNTING HOLE

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 .015 EACH STEP		
OVERTRAVEL (MIN)	.190		.190		.190		.170		
OPERATING FORCE (MAX)	4 LBS		4 LBS		4 LBS		4 LBS		
OPERATING POINT	1.805 ± .030		2.200 ± .040		2.085 MIN		2.335 MAX		
FULL OVERTRAVEL FORCE (MAX)	7 LBS		7 LBS		7 LBS		7 LBS		
							1ST STEP		
							1.815±.030 2.210±.040 2.095 MIN / 2.345 MAX		

SIDE PLUNGER TYPES

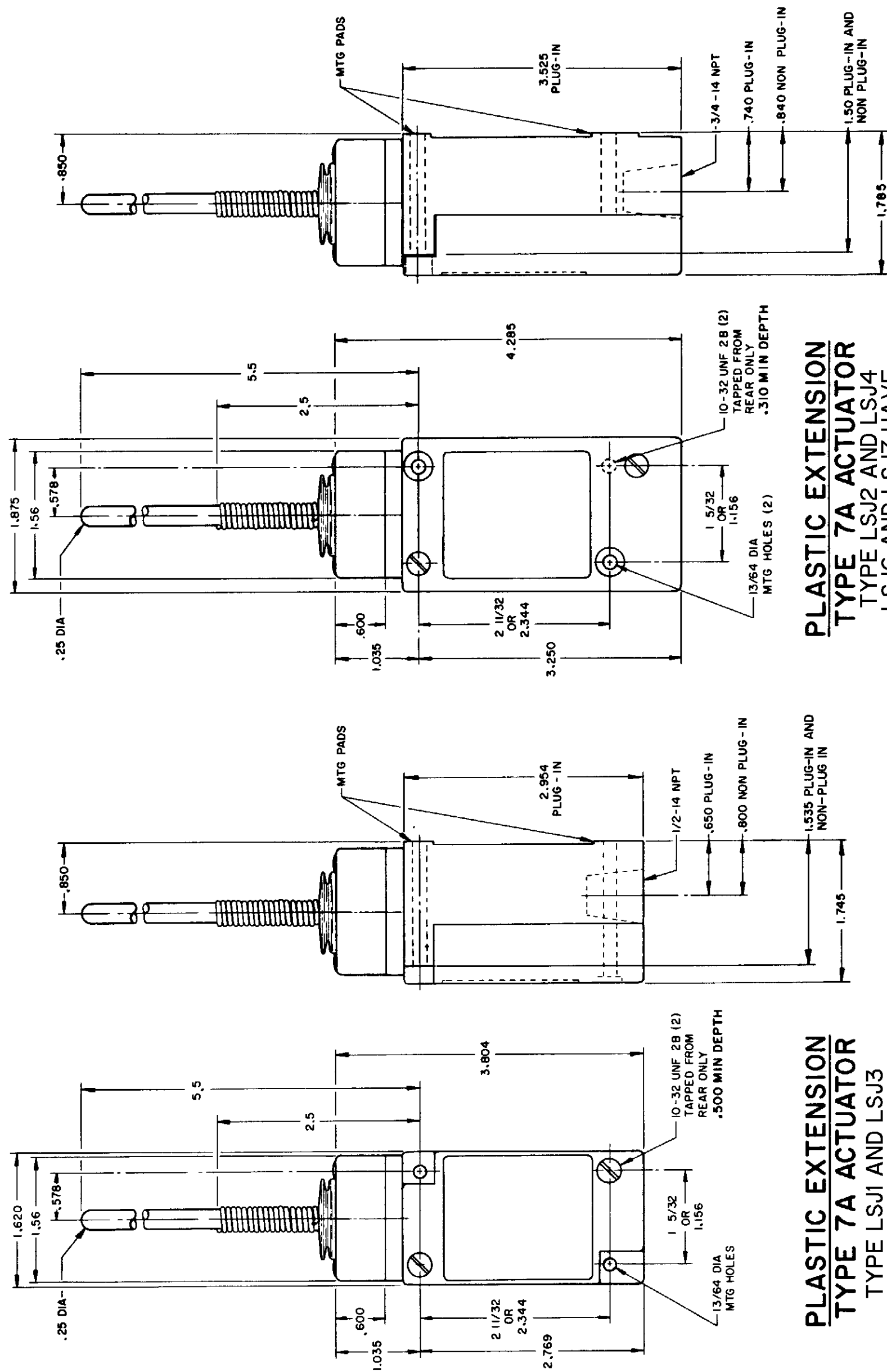
OPERATING POINT GIVEN IN
RELATION TO CENTER OF HE

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					2ND STEP .020 MIN ADD'L		
TRAVEL (MAX)	.045	.045	.045	.090	.025 EACH STEP		
OVERTRAVEL (MIN)	.190	.190	.190	.080	.170		
OPERATING FORCE (MAX)	6 LBS	6 LBS	6 LBS	10 LBS	6 LBS		
OPERATING POINT	1.300 ± .030	1.735 ± .040	ADJUSTABLE FROM 1.615 MIN 1.865 MAX	1.480 ± .030	1ST STEP 1.310±.030 1.745±.040 1.625 MIN / 1.875 MAX		
FULL OVERTRAVEL FORCE (MAX)	6 LBS	6 LBS	6 LBS	10 LBS	6 LBS		

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

MICRO SWITCH
Honeywell Division

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

SWITCH - ENCLOSED

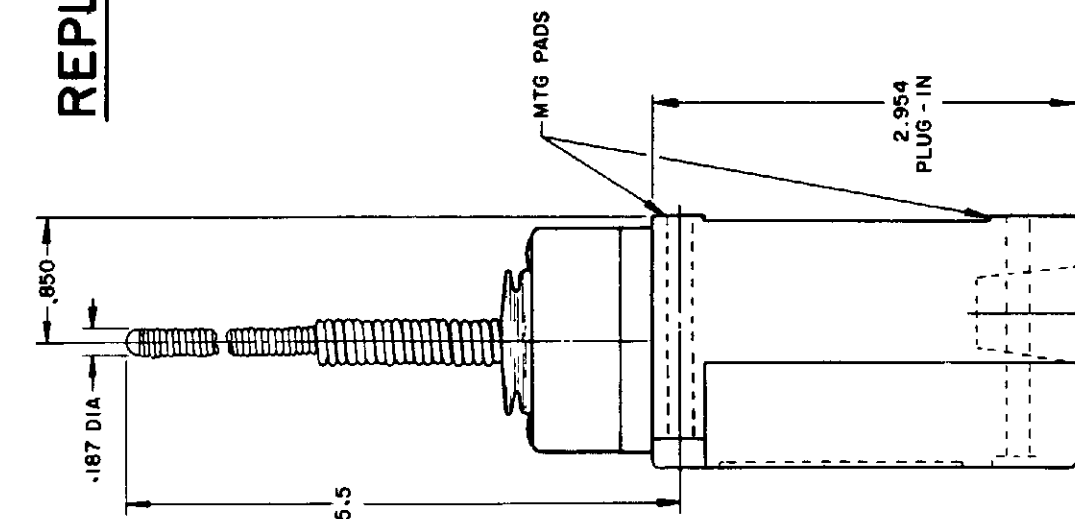
LSA-LSW SERIES CHART 1

PAGE 7 OF 10

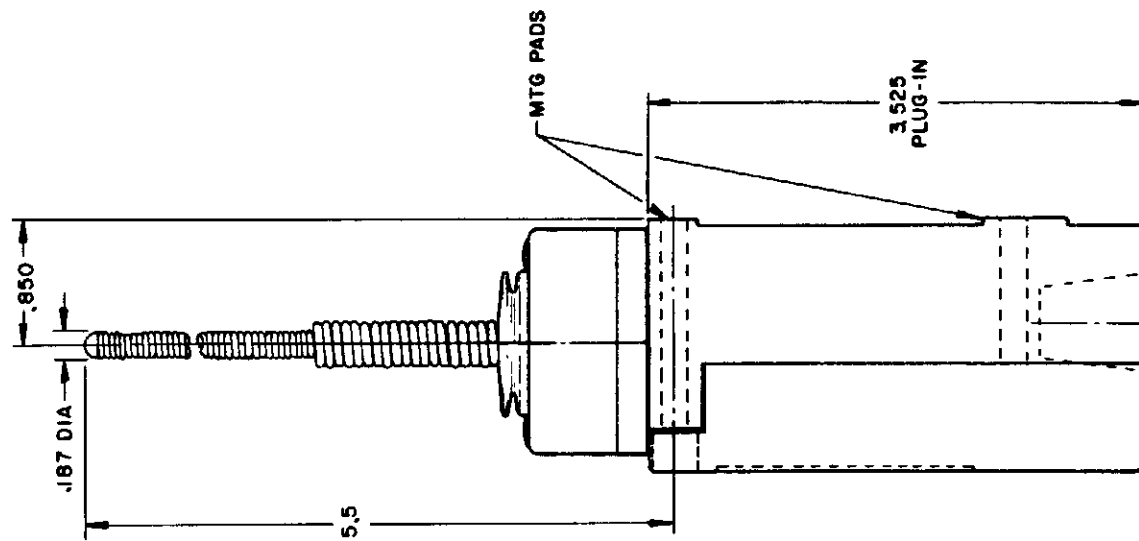
SCALE NONE

DO NOT SCALE PRINT

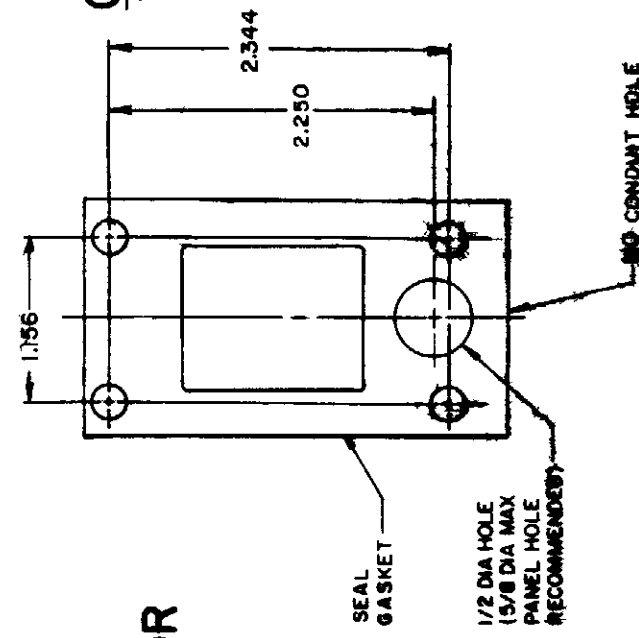
REPLACEMENT ACTUATOR
LSZ-4009



CABLE EXTENSION TYPE 7N ACTUATOR



CABLE EXTENSION TYPE 7 N ACTUATOR

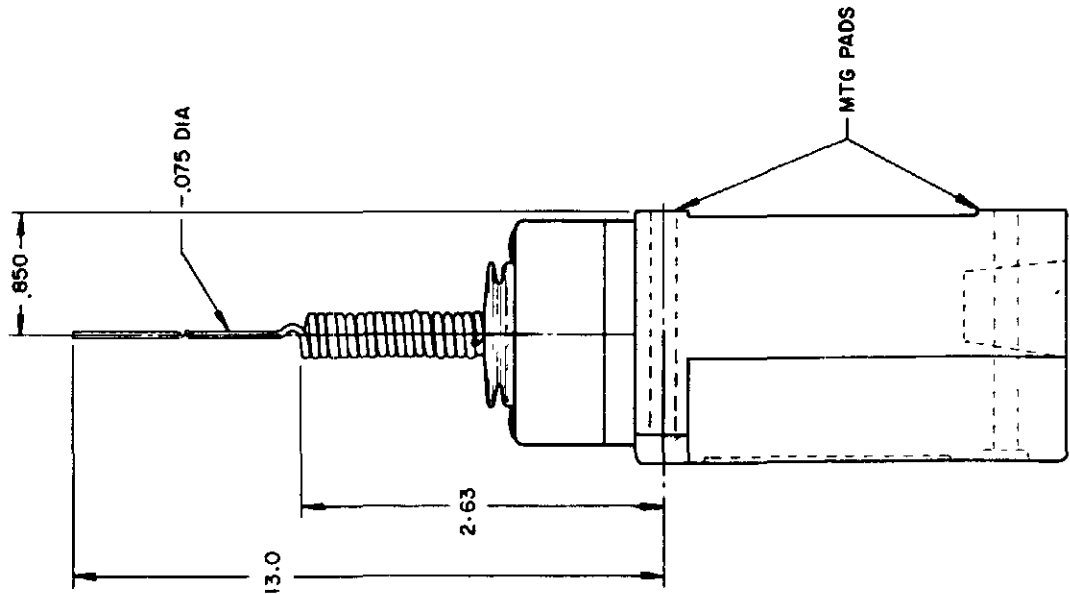


REPLACEMENT ACTUATOR
LSZ-40II

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

SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP

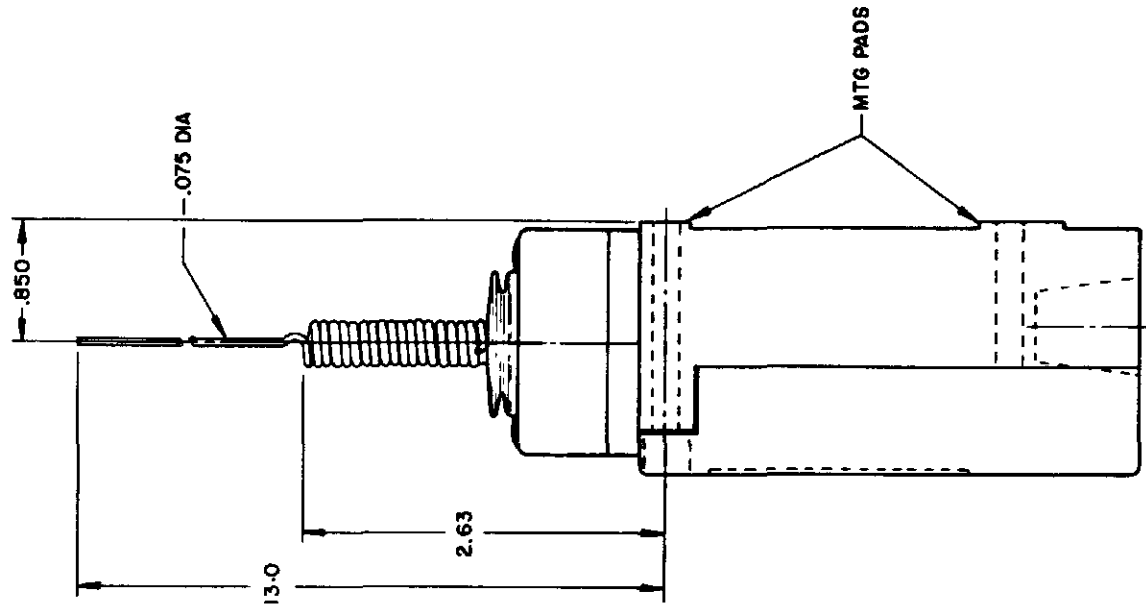
**.180 X 400 LENS
(FLUSH WITH
HOUSING)**



WIRE EXTENSION TYPE 7M ACTUATOR

TYPE LSJ1 and LSJ3

REPLACEMENT ACTUATOR - LSZ 4010

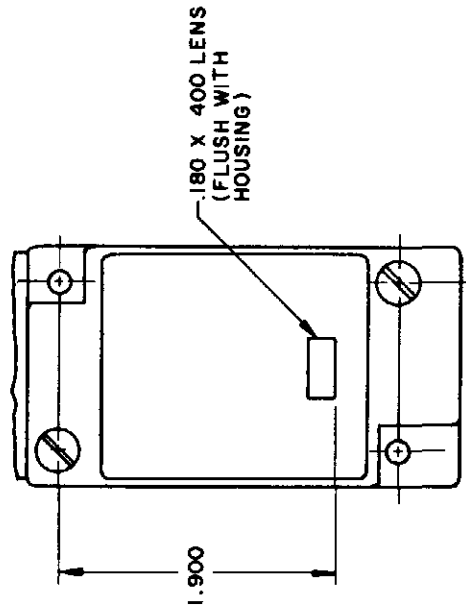


WIRE EXTENSION TYPE 7M ACTUATOR

TYPE LSJ2 and LSJ4

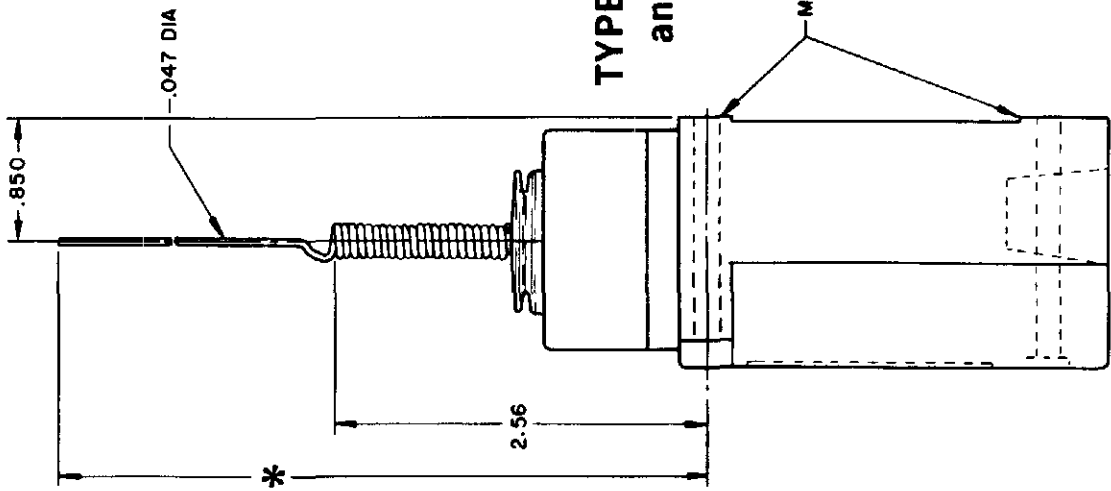
LSJ6 and LSJ7 have 1/2 - 14 NPT CONDUIT HOLE

SINGLE POLE PLUG-IN ONLY
WITH INDICATOR LAMP



120 LAMP VOLTAGE TYPE LSJ5
240 LAMP VOLTAGE TYPE LSJ8

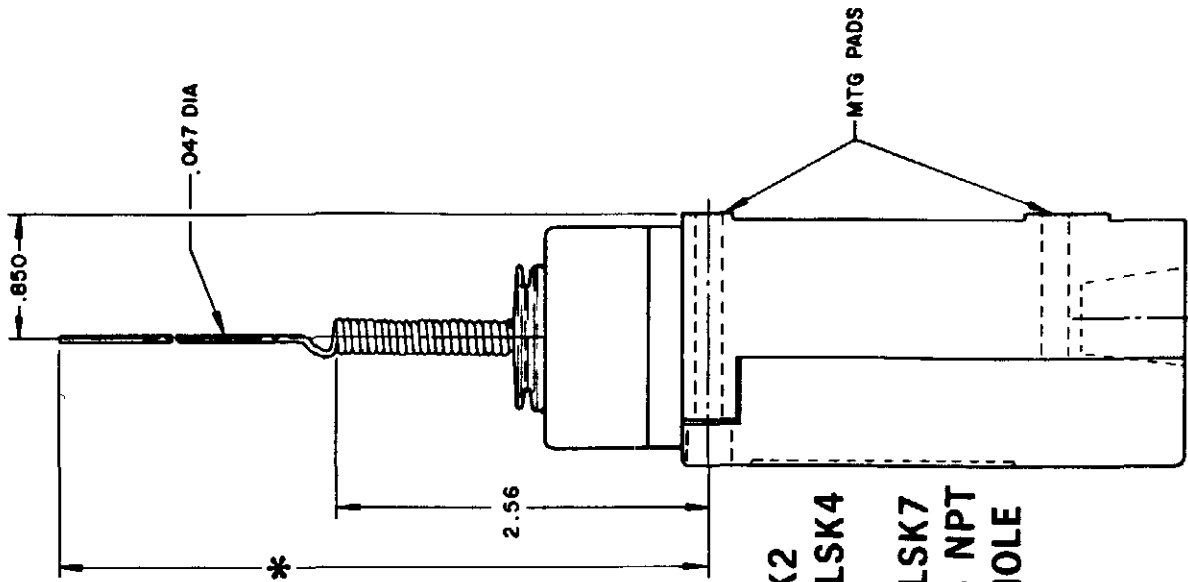
SINGLE POLE



TYPE LSK1
and LSK3

*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.

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

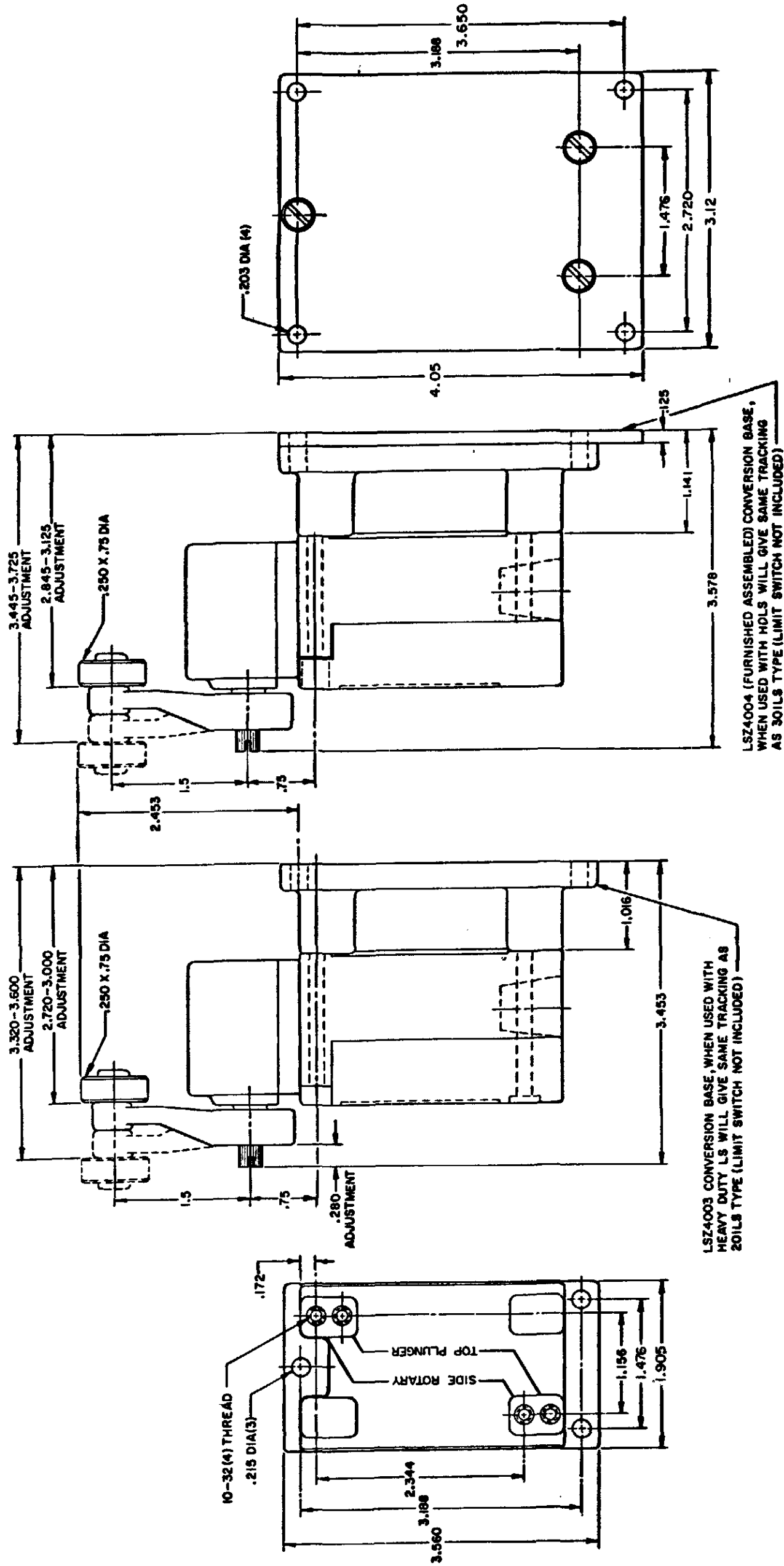
SCALE NONE
DO NOT SCALE PRINT

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

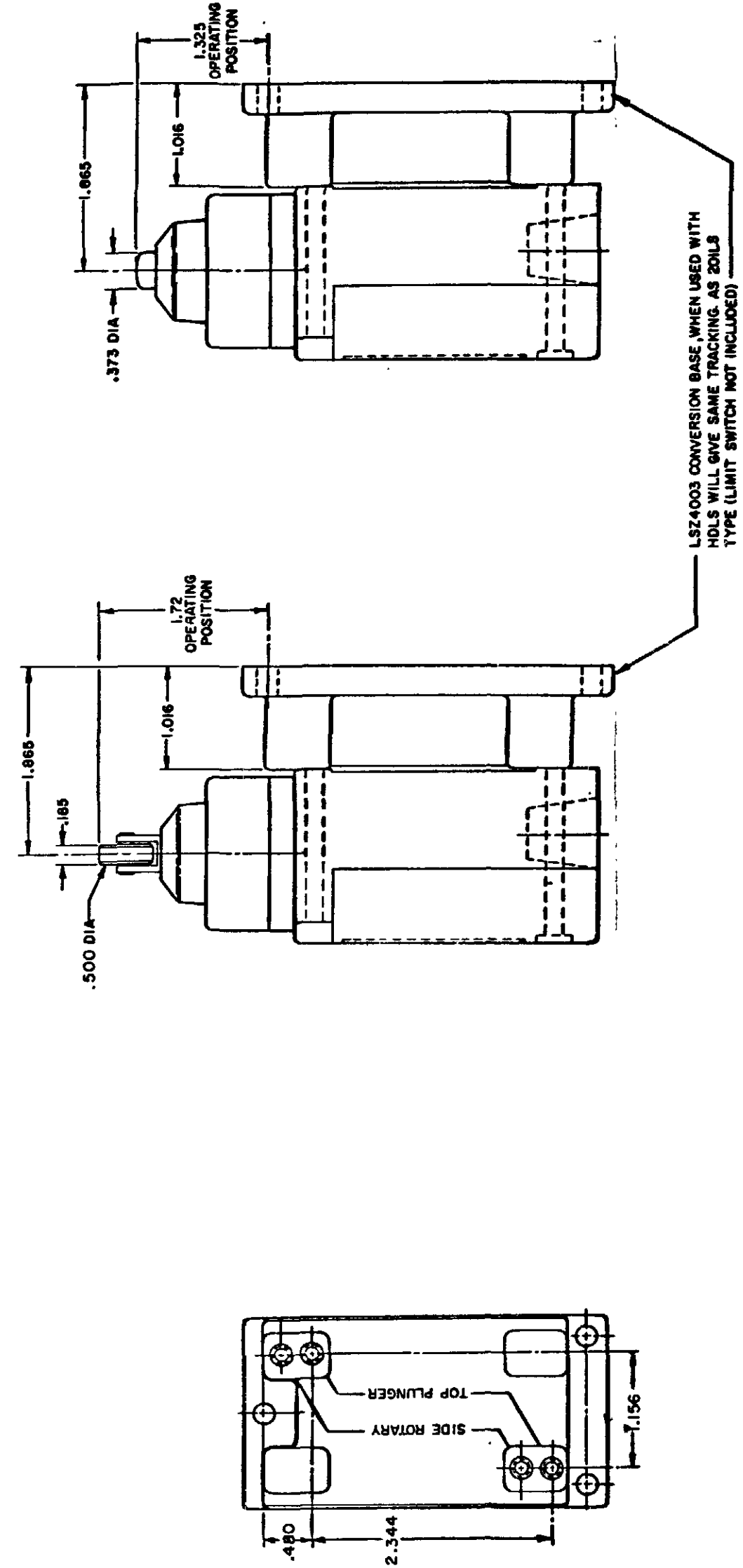
**SINGLE POLE
(SIDE ROTARY)
LSZ 4003**

**DOUBLE POLE
(SIDE ROTARY)
LSZ4004**



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

SINGLE POLE TOP PLUNGER 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 1010, 1035, 1120 MINERAL OIL PETR. OIL CRUDE SILICON GR & OIL SUNSAFE BEER STODDARD SOLV. CHLORINATED SOLVENTS CITRIC ACID DI-ESTER SYN. LUBRICANTS OZONE PYDRAUL PROGUARD PETRO. BASE HYDRAULIC OIL LARD OIL SILICATE ESTERS																							
	LSA	LSB	LSC	LSD	LSE	LSF	LSG	LSH	LSJ	LSK	LSL	LSM	LSN	LSP	LSR	LSV	LSW	LST	LSS					
4	1	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2
4	1	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2
4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	2	4	1	4	3	4	4	2	2	2
4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	2	4	1	4	3	4	4	2	2	2
4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	2	4	1	4	3	4	4	2	2	2
4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	2	4	1	4	3	4	4	2	2	2
4	1	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2
4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	2	4	1	4	3	4	4	2	2	2
4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	2	4	1	4	3	4	4	2	2	2
4	1	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2
4	1	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2
4	1	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2
4	1	1	1	1	1	1	2	1	4	1	1	1	1	1	1	4	1	2	4	4	4	1	1	2
4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	2	4	1	4	3	4	4	2	2	2
4	2	2	1	2	4	4	2	4	2	2	1	2	1	2	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

CATALOG LISTING

LSA-LSW SERIES CHART 1

12

PSR

10JUL07

RELEASE NO. CO-78498

REPLACES LSA-LSW SERIES

REVISIONS

L	0031956	BS	10JUL07
B	201004	CSL	10 AUG 00
C	201748	CSL	17 NOV 00
D	202198	CSL	23 JAN 01
E	204871	GLW	FEB 02
F	206581	GLH	14 OCT 02
G	206783	CSL	31 OCT 02
H	207179	GLH	14 JAN 03
J	207474	TSM	18 FEB 03
K	0006871	KR	11AUG04

MAAM

15 JUN 94

11 JUL 94

11AUG04

AK

11AUG04

11AUG04

RASTER

DRAWN

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru