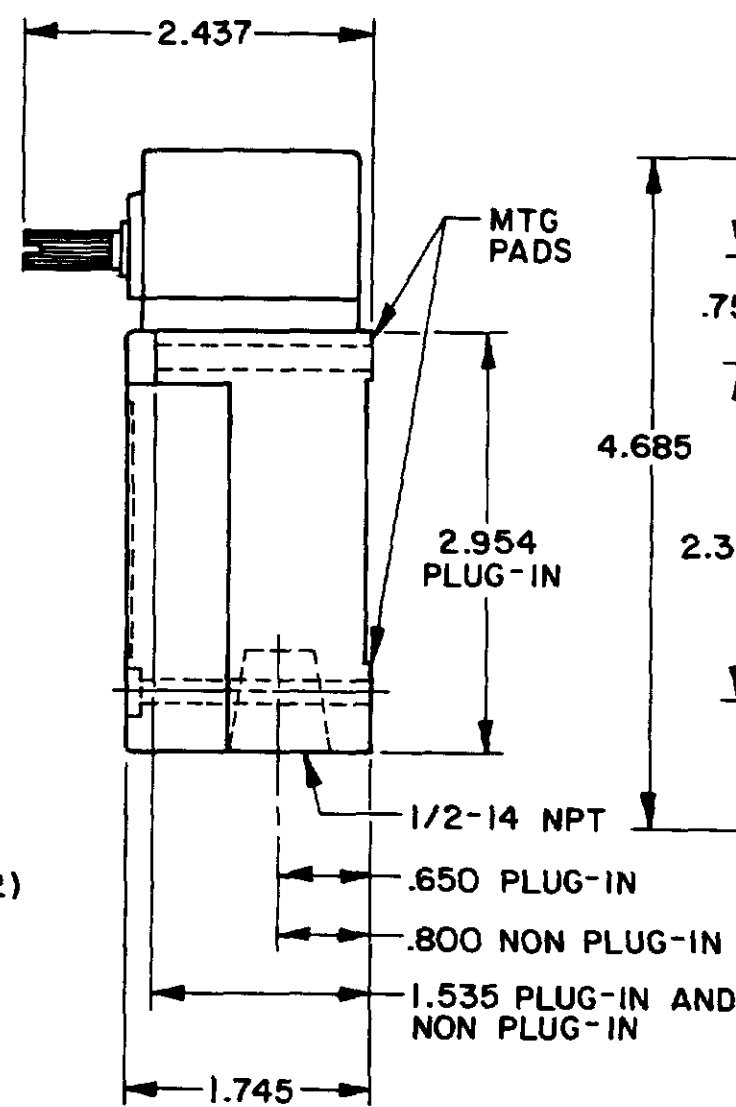
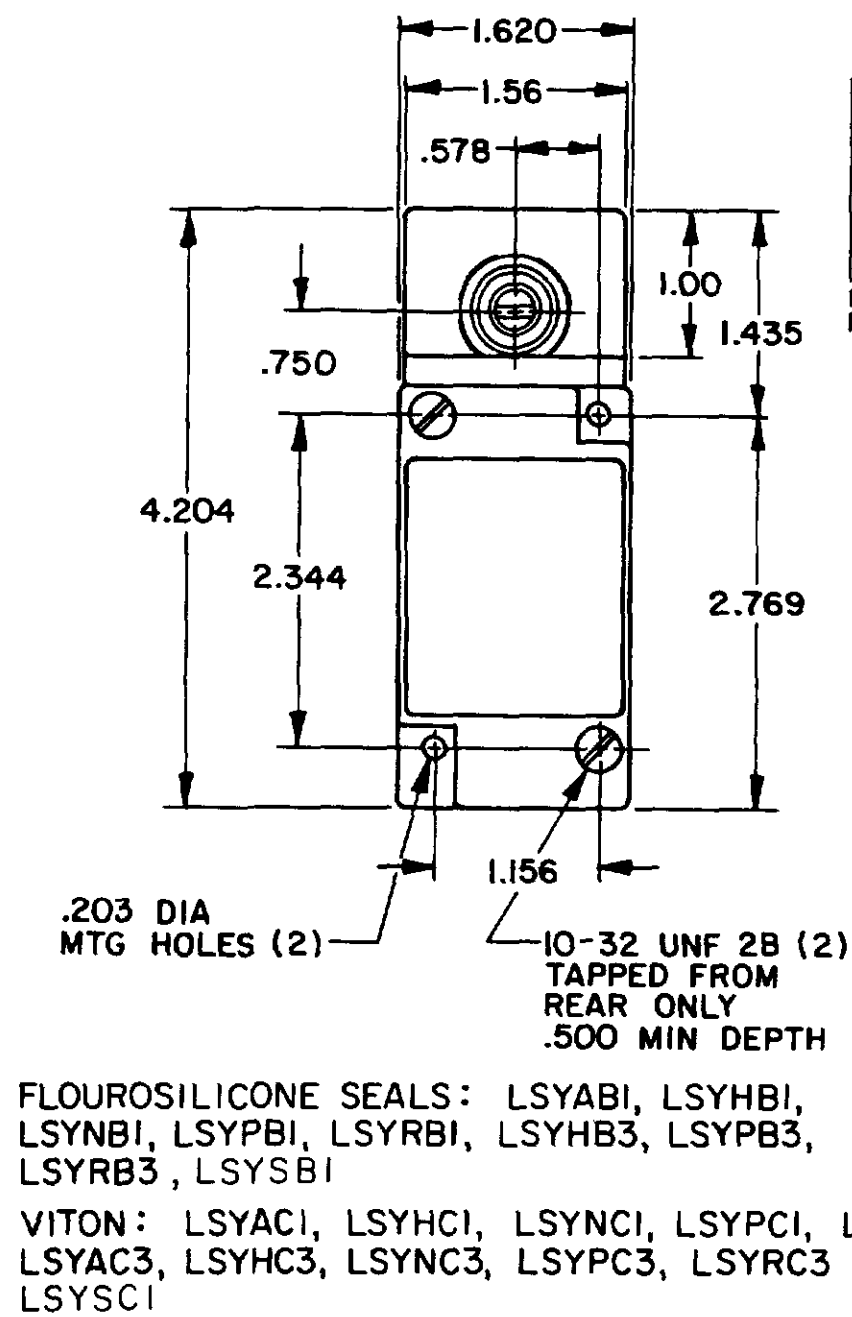


| OPERATING CHARACTERISTICS | LSYA              |                   | LSYR                 |                   | LSYN       | LSYP                                     |                   | LSYH                                   |                   | LSYL                               | LSYM                            | LSYS           | LSYU                          |
|---------------------------|-------------------|-------------------|----------------------|-------------------|------------|------------------------------------------|-------------------|----------------------------------------|-------------------|------------------------------------|---------------------------------|----------------|-------------------------------|
|                           | MOMENTARY         |                   | MOMENTARY LOW TORQUE |                   | MAINTAINED | MOMENTARY LOW PRETRAVEL AND DIFF. TRAVEL |                   | MOMENTARY LOW PRETRAVEL AND LOW TORQUE |                   | SEQUENCE DOUBLE POLE ONLY          | CENTER NEUTRAL DOUBLE POLE ONLY | GRAVITY RETURN | LOW PRETRAVEL                 |
| PRETRAVEL(MAX)            | 15°               |                   | 15°                  |                   | 65°        | 9°                                       |                   | 9°                                     |                   | 1ST STEP 15°<br>2ND STEP 10° ADD'L | 18°                             | NOT APPLICABLE | 5°                            |
| OVERTRAVEL(MIN)           | 60°               |                   | 60°                  |                   | 20°        | 68°                                      |                   | 68°                                    |                   | 48°                                | 57°                             | NOT APPLICABLE | 70°                           |
| DIFFERENTIAL TRAVEL(MAX)  | SINGLE POLE<br>5° | DOUBLE POLE<br>7° | SINGLE POLE<br>5°    | DOUBLE POLE<br>7° | 40°        | SINGLE POLE<br>3°                        | DOUBLE POLE<br>4° | SINGLE POLE<br>3°                      | DOUBLE POLE<br>4° | 5°                                 | 10°                             | 12°            | SGL POLE<br>3° DBL POLE<br>4° |
| TOTAL TRAVEL (REF)        | 75°               |                   | 75°                  |                   | 90°        | 75°                                      |                   | 75°                                    |                   | 75°                                | 75°                             | 360°           | 75°                           |
| OPERATING TORQUE(MAX)     | 4 IN. LBS         |                   | 1.7 IN. LBS          |                   | 4 IN. LBS  | 4 IN. LBS                                |                   | 1.7 IN. LBS                            |                   | 4 IN. LBS                          | 4 IN. LBS                       | 5 IN-OZ        | 4 IN. LBS                     |
| FULL TRAVEL TORQUE(MAX)   | 4 IN. LBS         |                   | 1.7 IN. LBS          |                   |            | 4 IN. LBS                                |                   | 1.7 IN. LBS                            |                   | 4 IN. LBS                          | 4 IN. LBS                       | 5 IN-OZ        | 4 IN. LBS                     |

## SIDE ROTARY

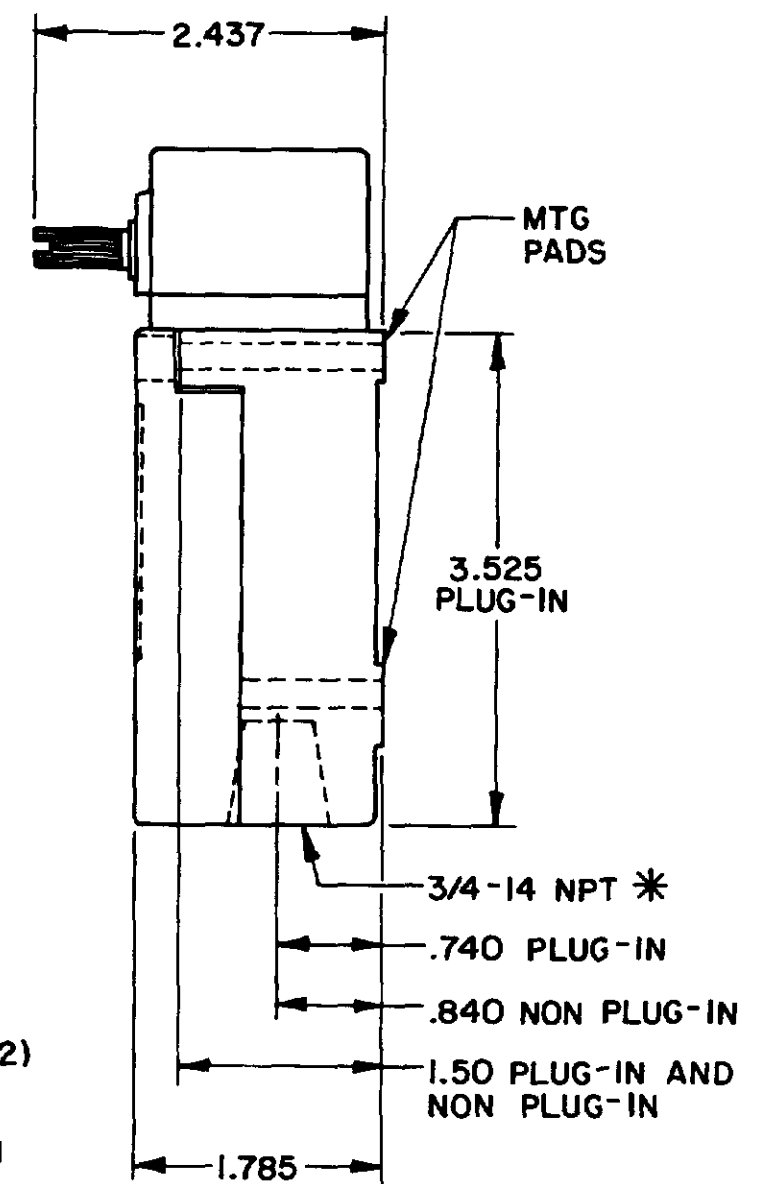
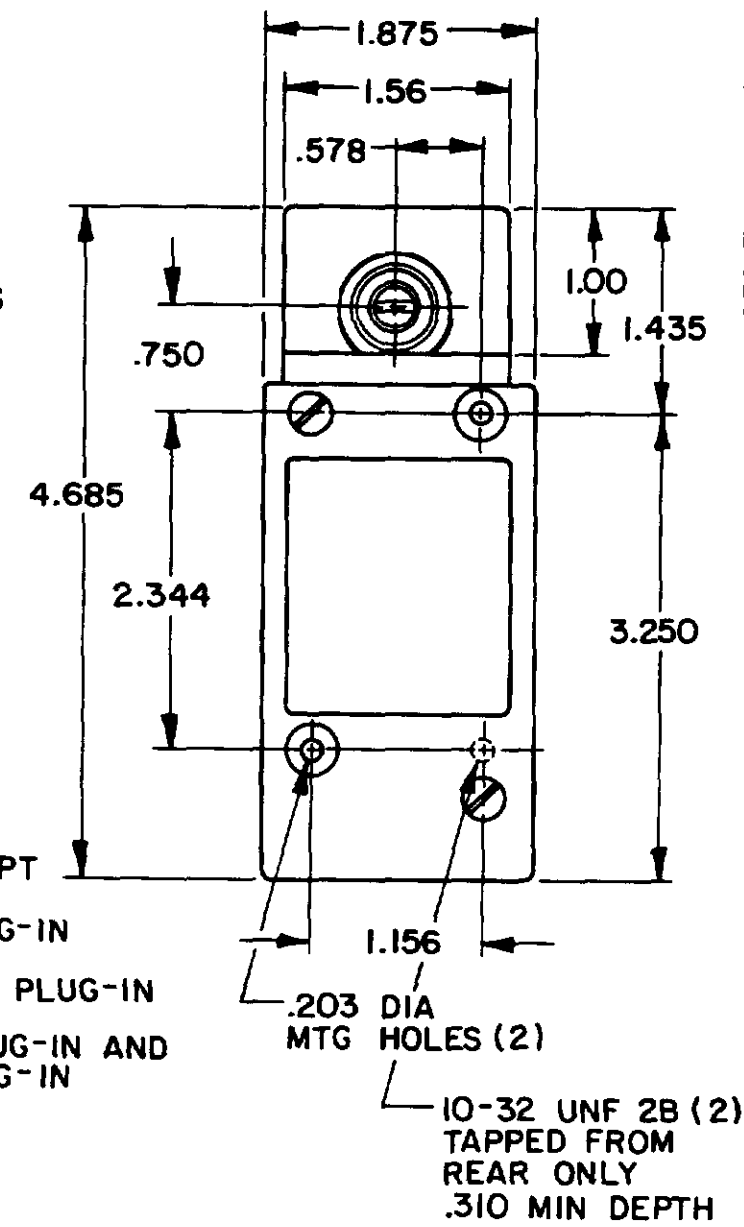
### SINGLE POLE

### DOUBLE POLE

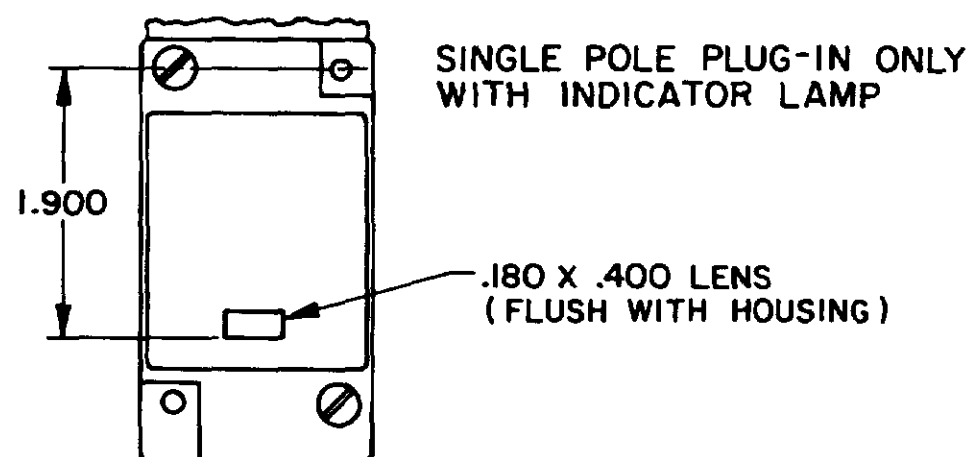


FLOUROSILICONE SEALS: LSYAB2, LSYHB2, LSYMB2, LSYNB2, LSYPB2, LSYRB2, LSYAB4, LSYHB4, LSYMB4, LSYNB4, LSYPB4, LSYRB4

\* (LSYAB6, LSYHB6, LSYMB6, LSYNB6, LSYPB6, LSYRB6, LSYAB7, LSYHB7, LSYMB7, LSYNB7, LSYPB7, LSYRB7 HAVE 1/2-14 CONDUIT HOLE)

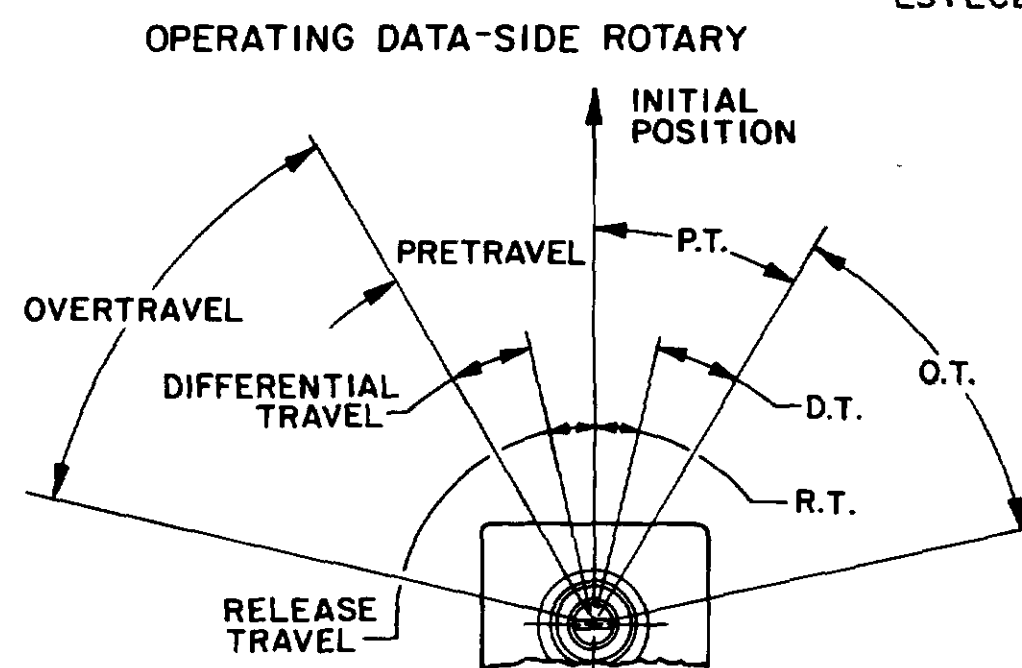


VITON SEALS: LSYAC2, LSYHC2, LSYNC2, LSYPC2, LSYRC2, LSYAC4, LSYHC4, LSYNC4, LSYPC4, LSYRC4, LSYMC2, LSYMC4, LSYMC6, LSYMC7, LSYLC2, LSYLC4, LSYLC6, LSYLC7

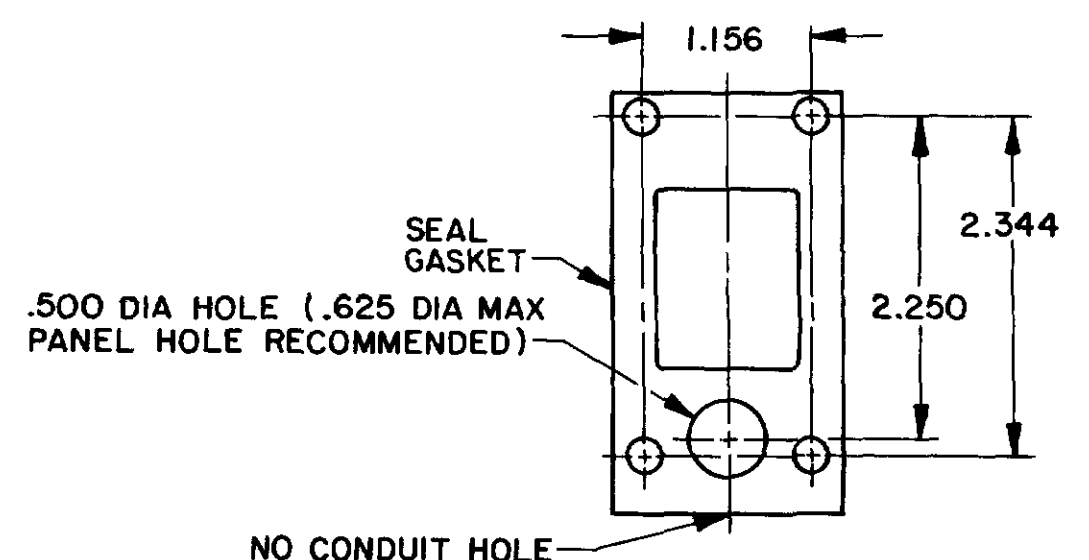


120 LAMP VOLTAGE -  
TYPE LSYAB5, LSYHB5, LSYNB5, LSYPB5, LSYRB5, LSYAC5, LSYHC5, LSYNC5, LSYPC5, LSYRC5

240 LAMP VOLTAGE -  
TYPE LSYAB8, LSYHB8, LSYNB8, LSYPB8, LSYRB8, LSYAC8, LSYHC8, LSYNC8, LSYPC8, LSYRC8

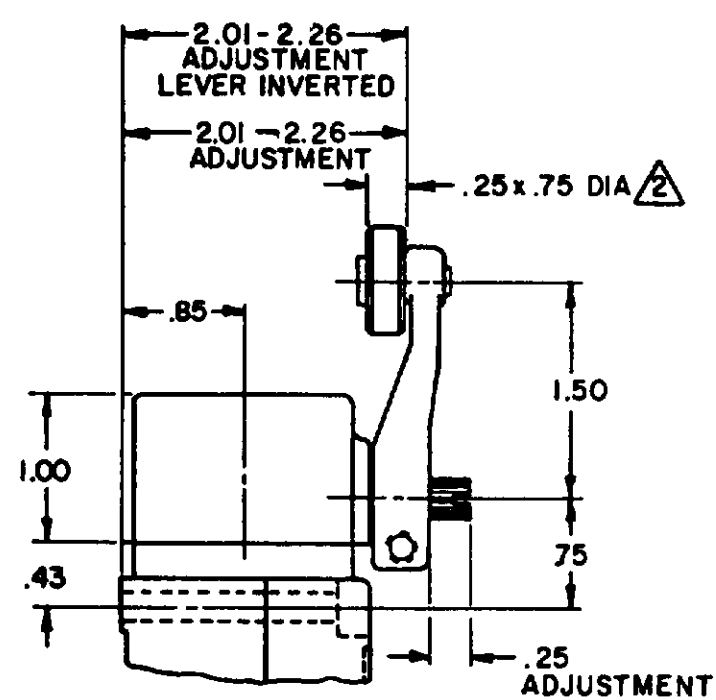
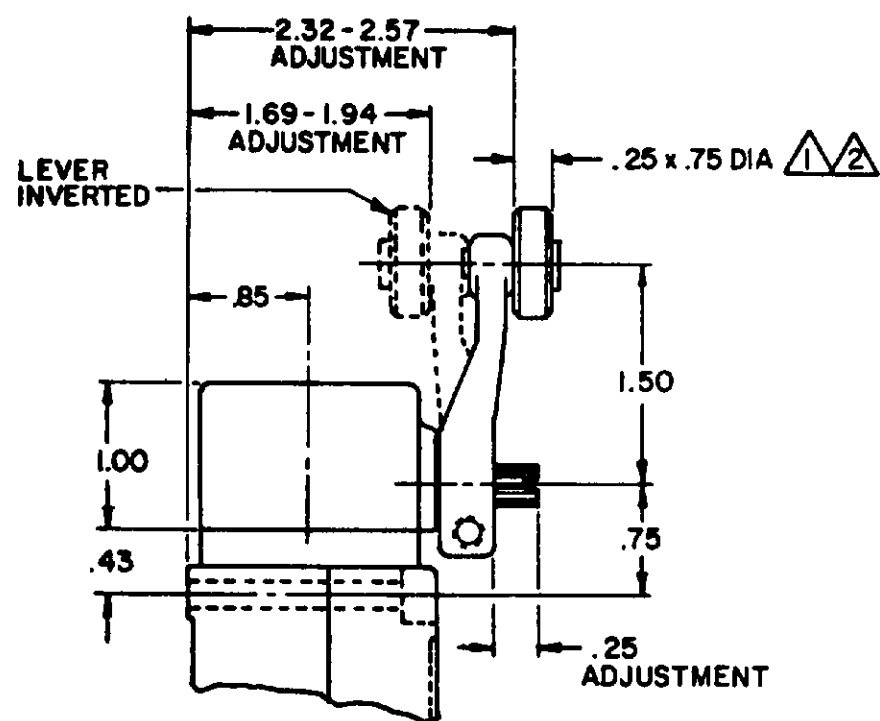


MANIFOLD MOUNT (PLUG-IN ONLY)  
SINGLE POLE AND DOUBLE POLE  
TYPE LSYA THROUGH LSYW SERIES

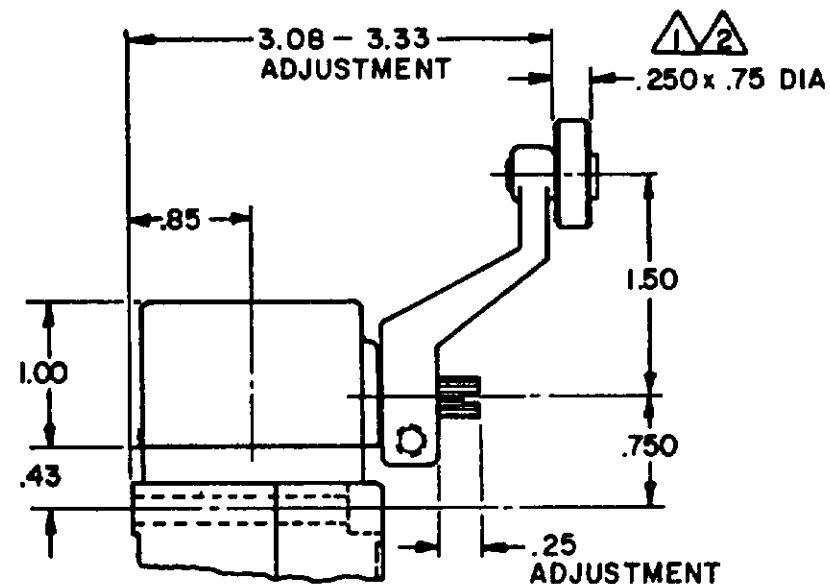
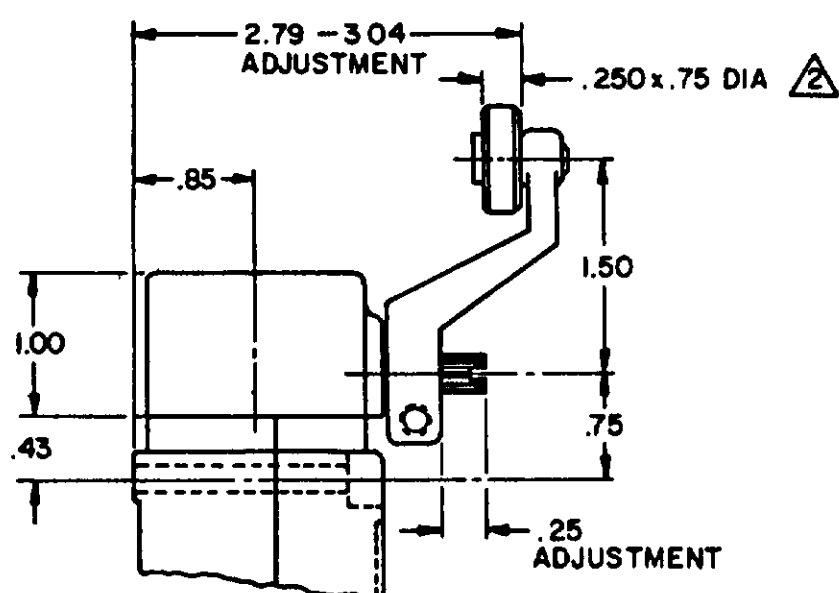


NOTE  
1 - ALL UNITS AVAILABLE WITH  
FLUOROSILICONE AND VITON SEALS

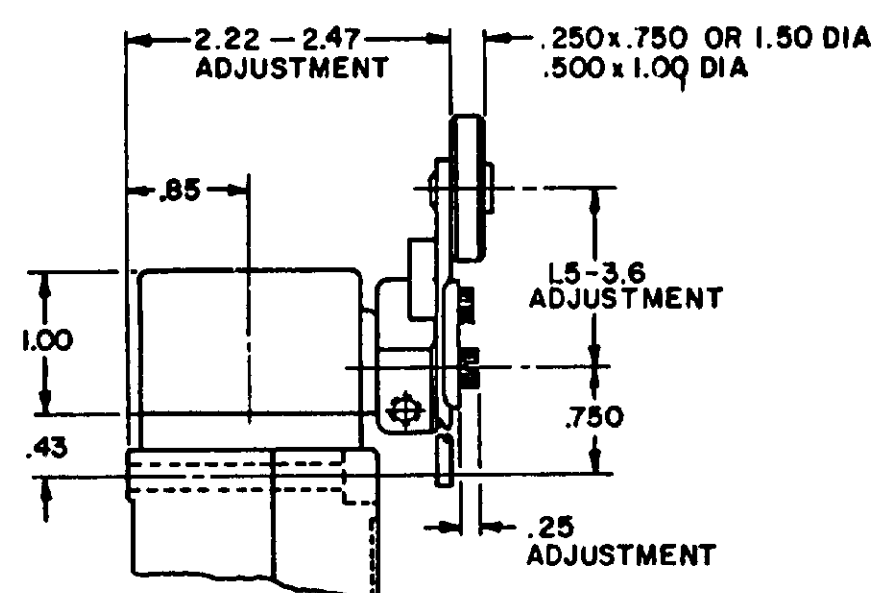
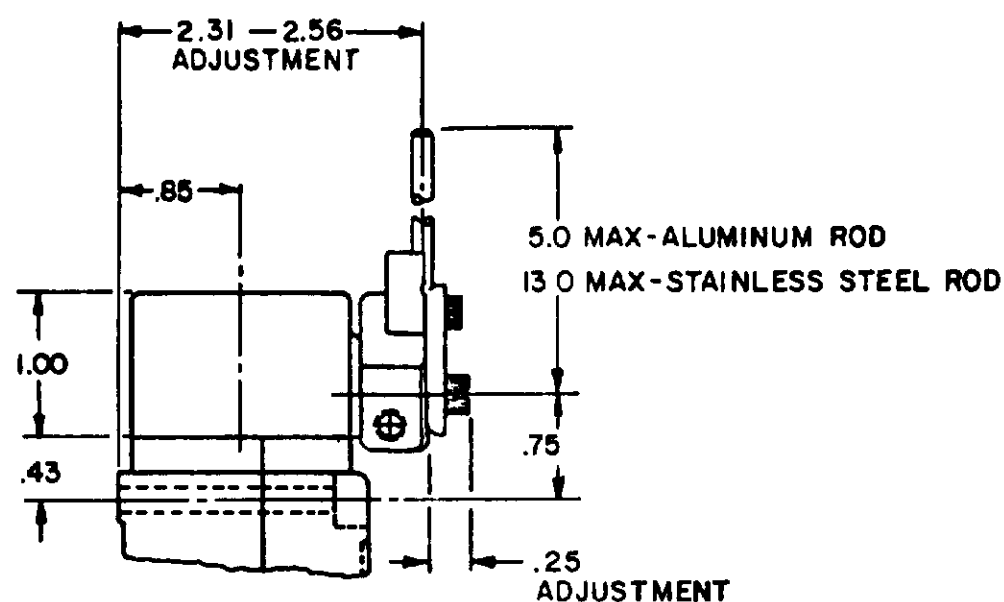
## SIDE ROTARY CAM TRACKING



## LSZ51 TYPE LEVERS

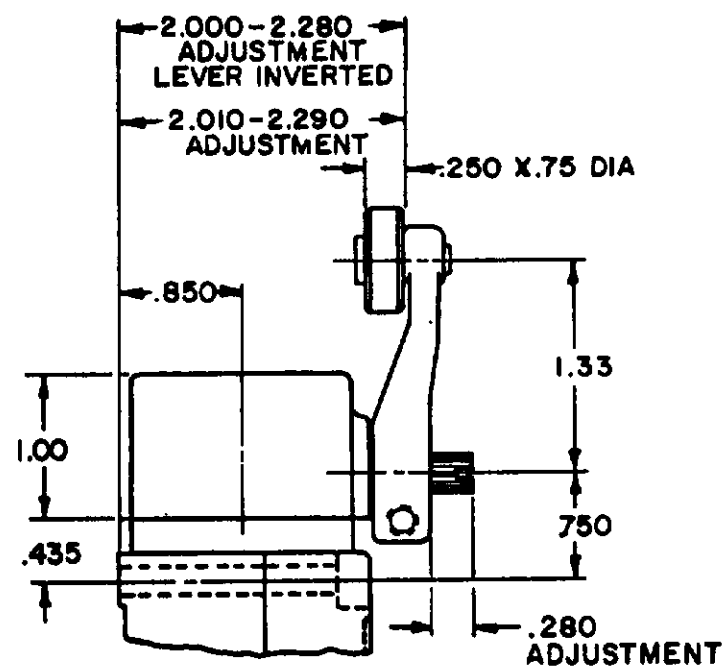
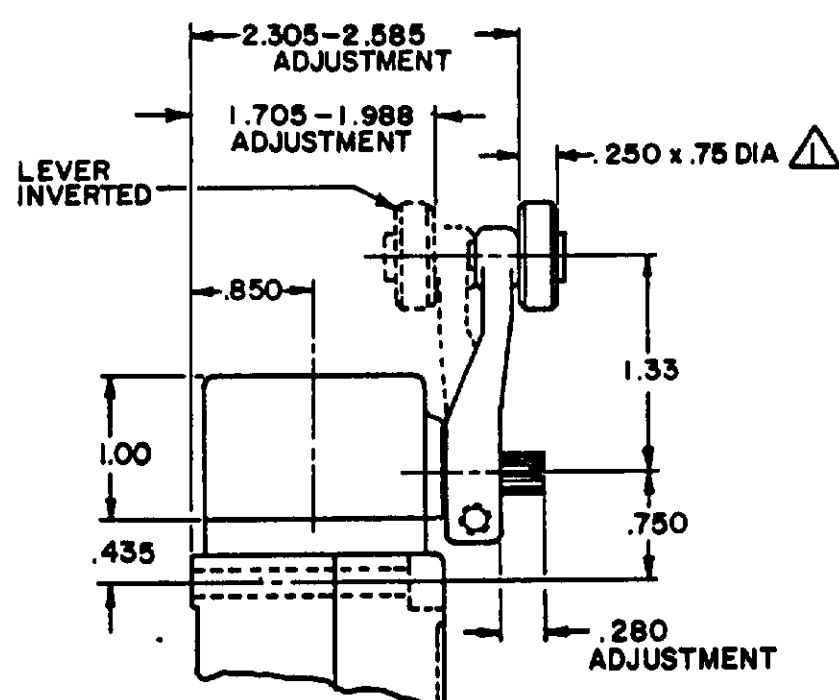


## LSZ55 TYPE LEVERS



## LSZ54 TYPE LEVER

## LSZ52 TYPE LEVER



## LSZ59 TYPE LEVERS

### NOTES

- 1 - ALSO AVAILABLE IN .250 X 1.500 DIA NYLON, BUT LEVER CANNOT BE INVERTED
- 2 - FOR ADDITIONAL ROLLER WIDTHS AND/OR DIAMETERS REFER TO (M)
- 3 - FOR ADDITIONAL TYPES OF ROLLERS AND LEVERS REFER TO LSZ CHART 1 (M)

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a Honeywell Division

FEEDING CODE 31829

CHART 1

LSY SERIES

THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE (.0) ± .030

TWO PLACE (.00) ± .015

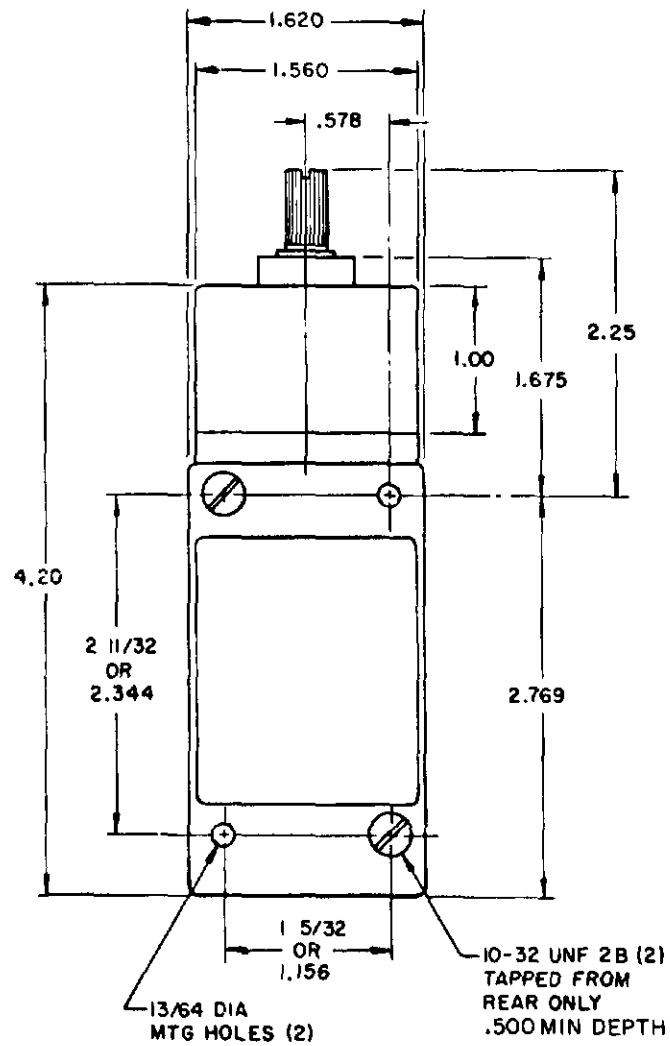
THREE PLACE (.000) ± .005

ANGLES ±

WEIGHT

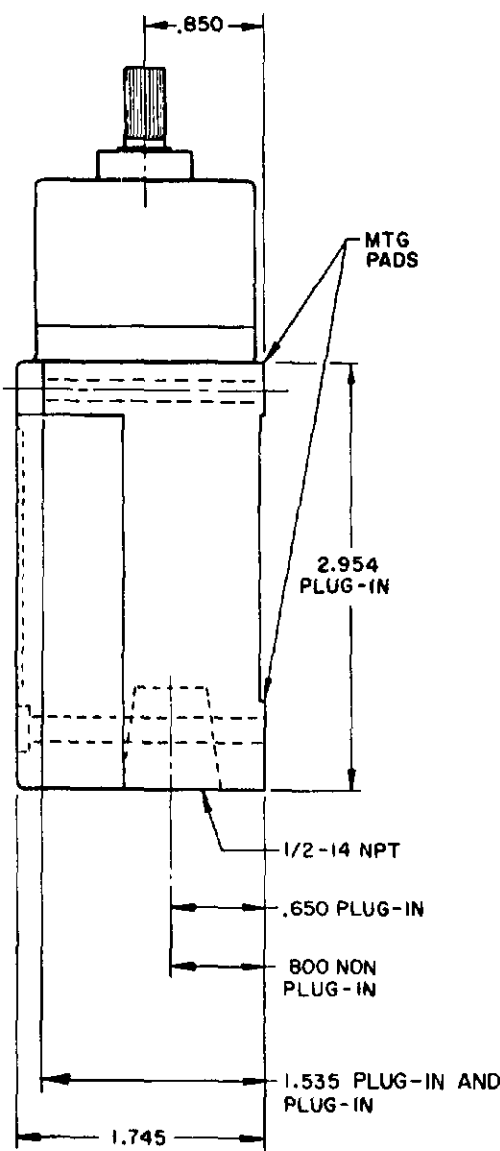
## TOP ROTARY

### SINGLE POLE

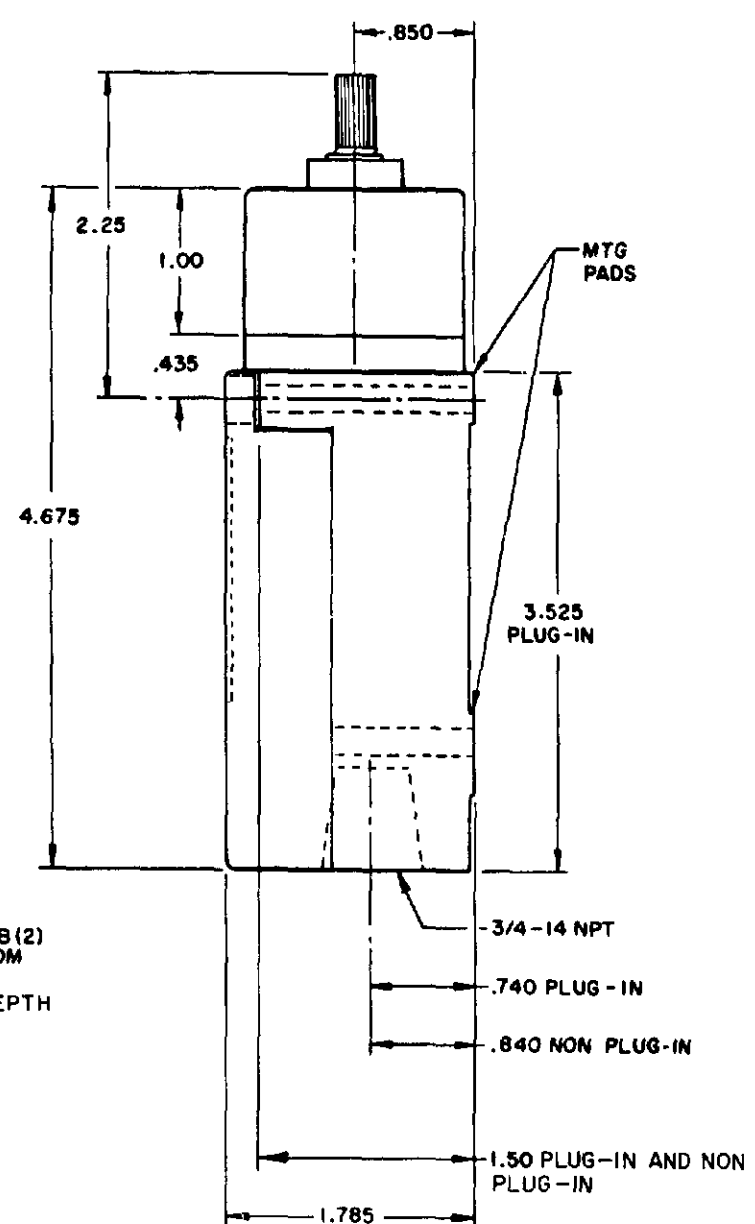
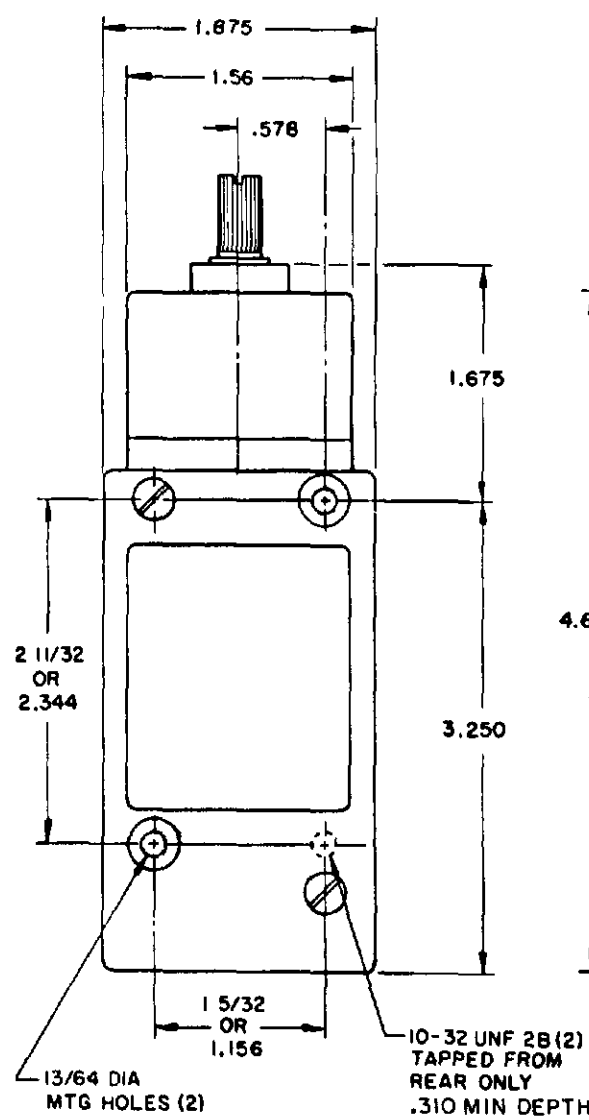


FLOUROSILICONE SEALS  
LSYBB1 & LSYBB3

VITON SEALS  
LSYBC1 & LSYBC3



### DOUBLE POLE



FLOUROSILICONE SEALS  
LSYBB2 & LSYBB4  
LSYBB6 & LSYBB7 HAVE 1/2-14NPT  
CONDUIT HOLE

VITON SEALS  
LSYBC2 & LSYBC4, LSYBC6 & LSYBC7  
HAVE 1/2-14NPT CONDUIT HOLE

| PRETRAVEL MAX           | SINGLE POLE<br>25° | DOUBLE POLE<br>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. POL.              |       | DOUBLE POL. |       |
|              | MAKE                     | BREAK | MAKE        | BREAK |
| 120          | 60                       | 6     | 10          | 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<br>INDUCTIVE | RESISTIVE |
|--------------|---------------------------|-----------|
| 120          | 0.25                      | 0.80      |
| 240          | 0.15                      | 0.40      |

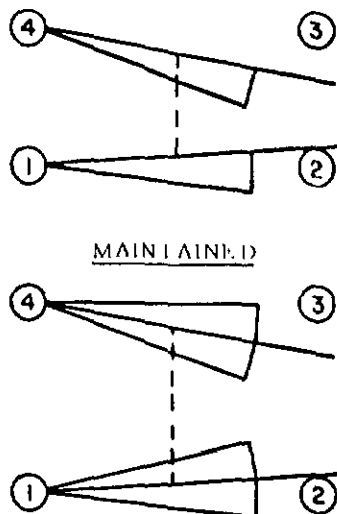
ELECTRONIC DUTY BASIC SWITCH  
10 AMP CONT.

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

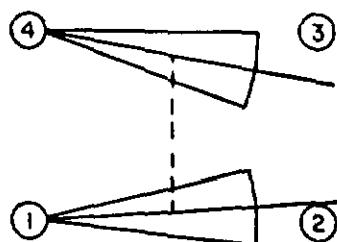
### WIRING BASIC SWITCH (SAME POLARITY MUST BE OBSERVED FOR EACH POLE)

#### SINGLE POLE

##### MOMENTARY



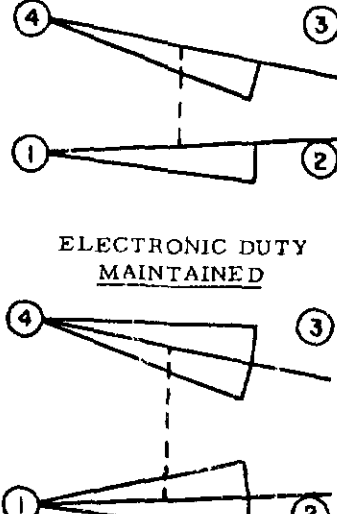
##### MAINTAINED



#### SINGLE POLE

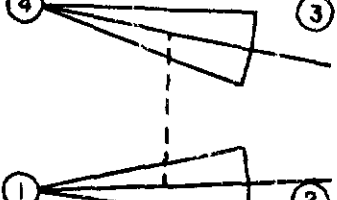
##### ELECTRONIC DUTY

##### MOMENTARY



##### ELECTRONIC DUTY

##### MAINTAINED

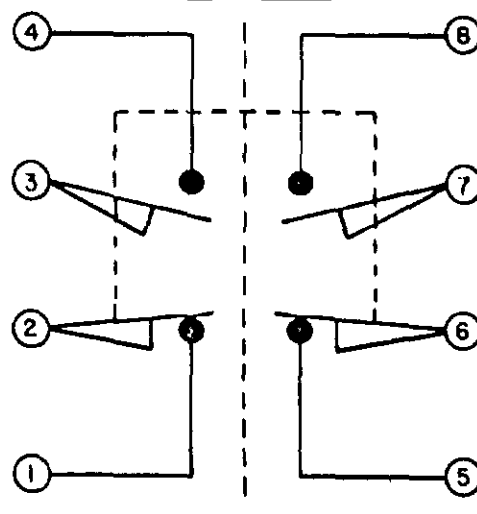


#### DIRECT ACTING

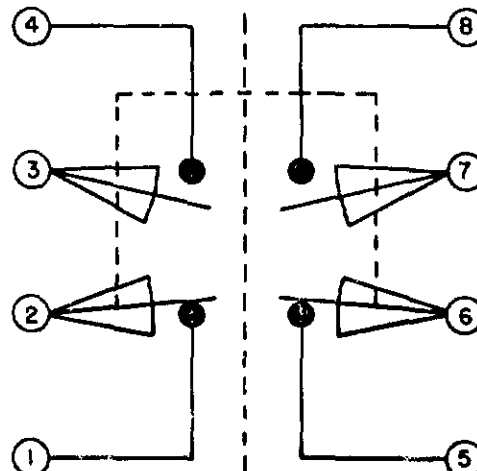


#### DOUBLE POLE

##### MOMENTARY



##### MAINTAINED



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       |

#### NOTES:

1 - ALL UNITS AVAILABLE WITH  
FLOUROSILICONE AND VITON SEALS

2 DIFFERENTIAL TRAVEL ON ALL  
OPERATING CHARACTERISTICS NOT  
APPLICABLE

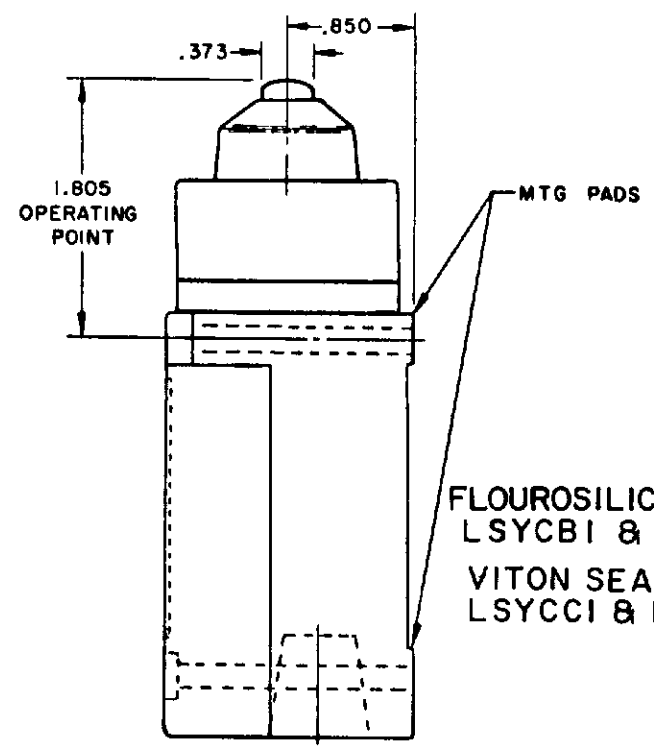
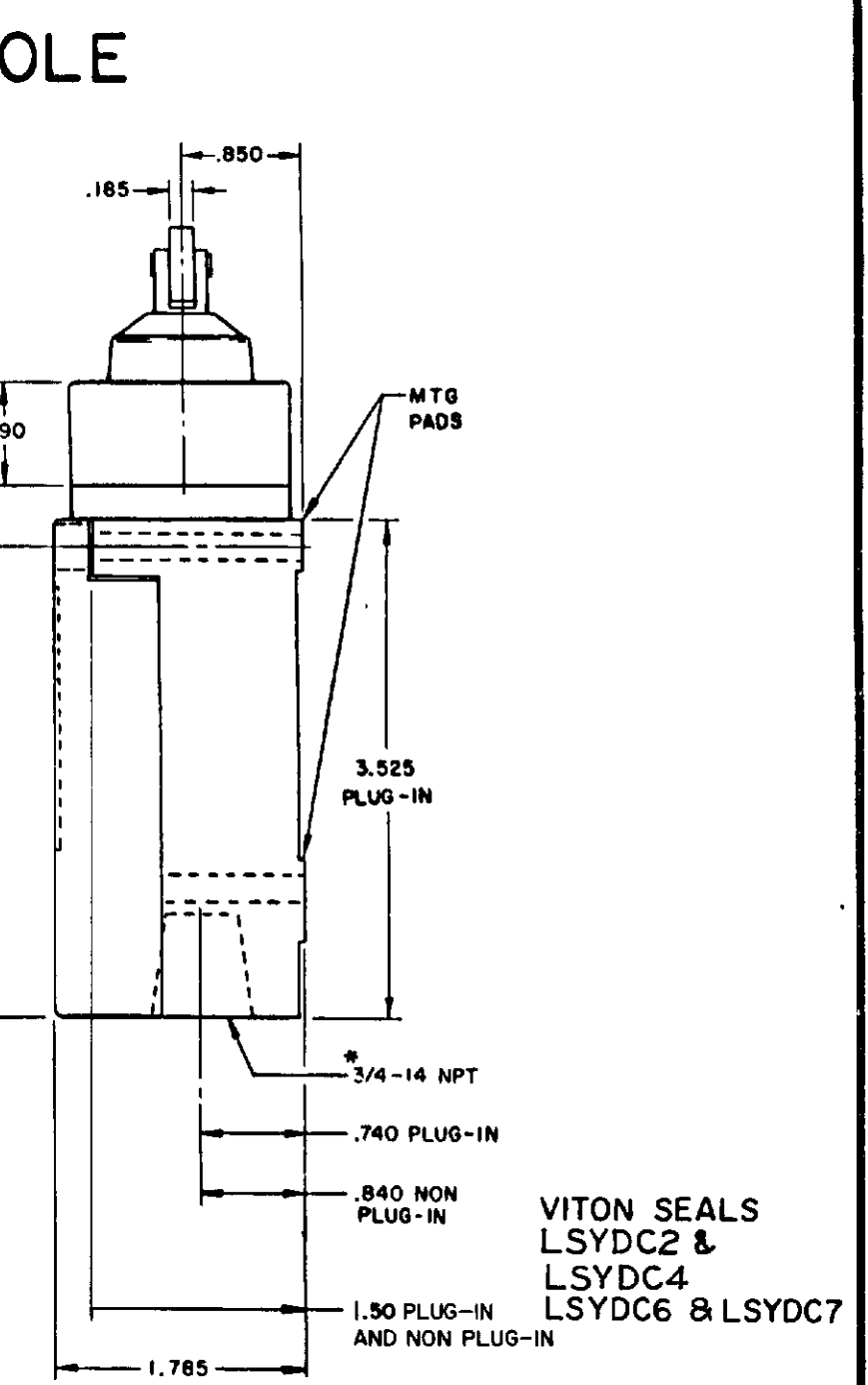
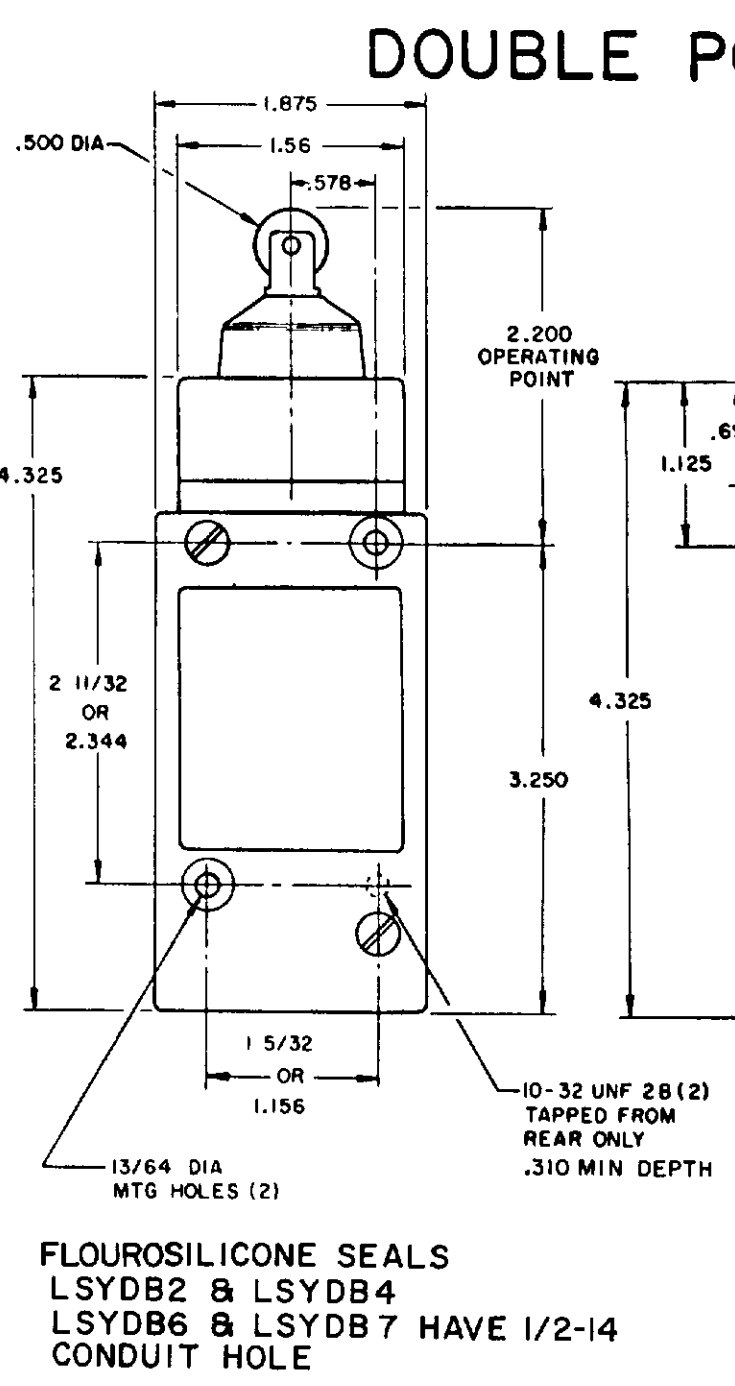
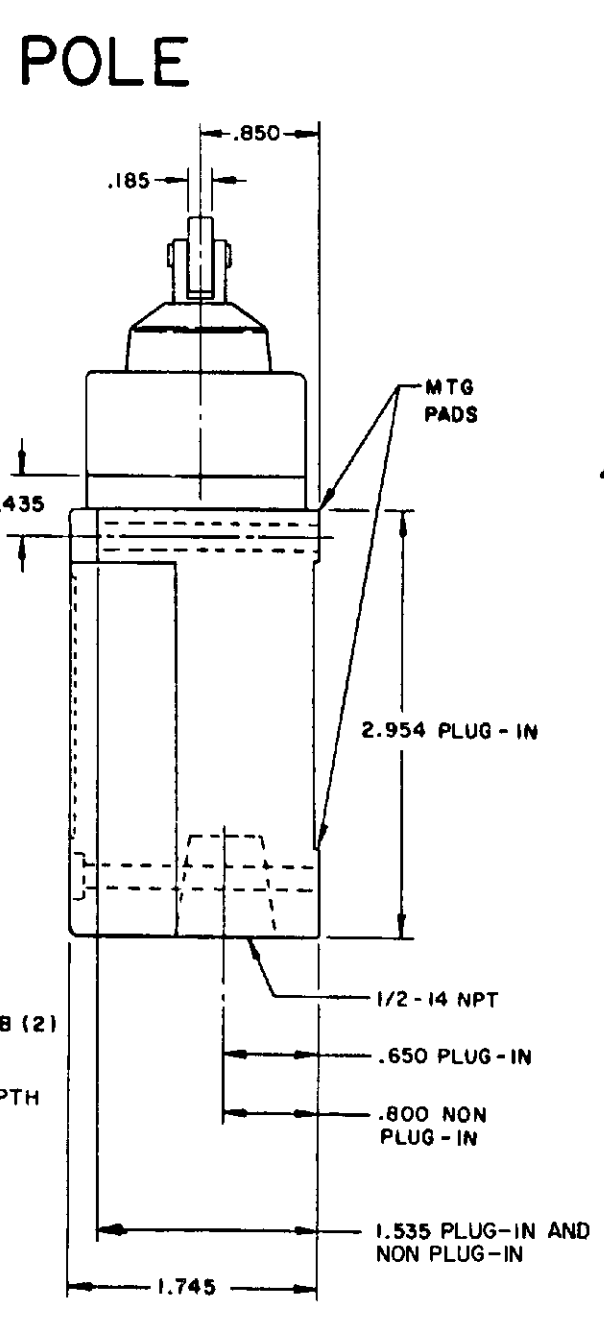
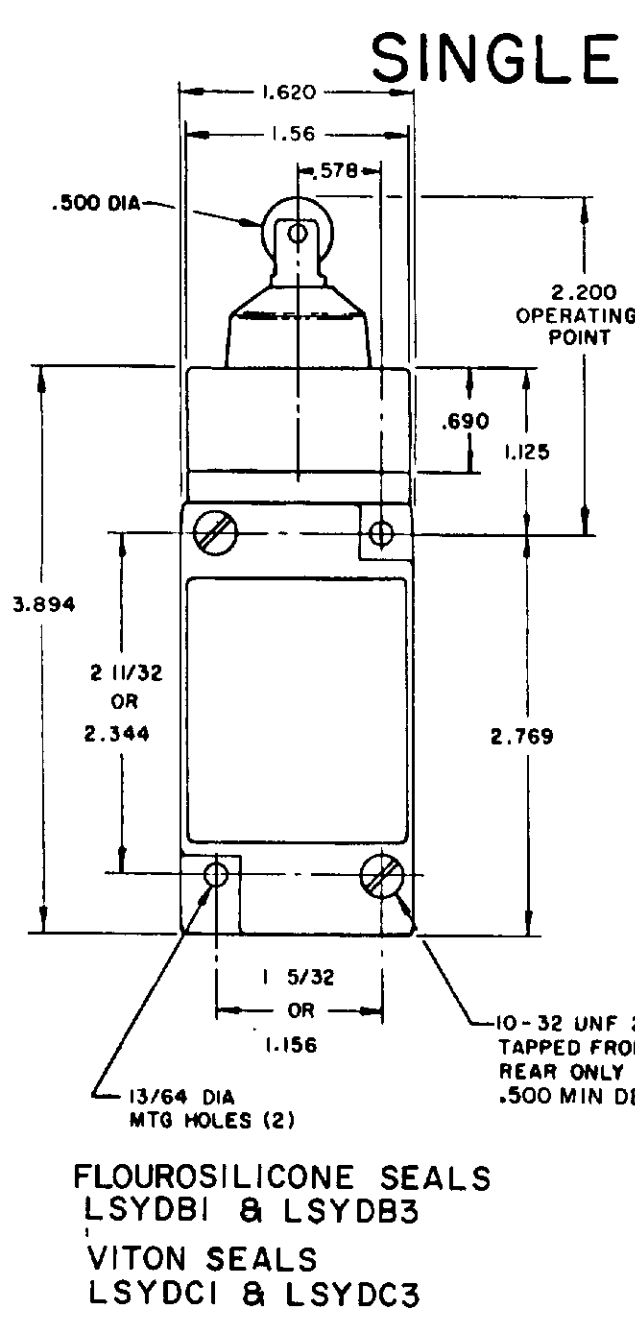
MICRO SWITCH  
FREEPORT, L.I., N.Y. U.S.A.  
A DIVISION OF HONEYWELL  
FED. REG. CODE 91918

SWITCH - ENCLOSED

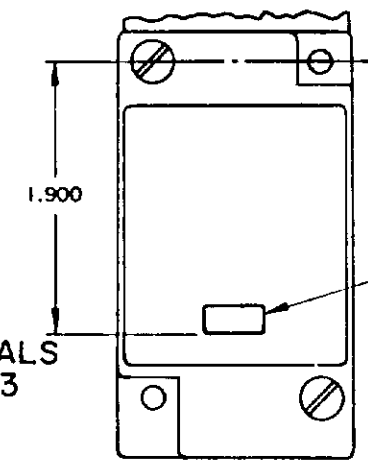
LSY SERIES  
CHART 1

SCALE NONE  
DO NOT SCALE PRINT

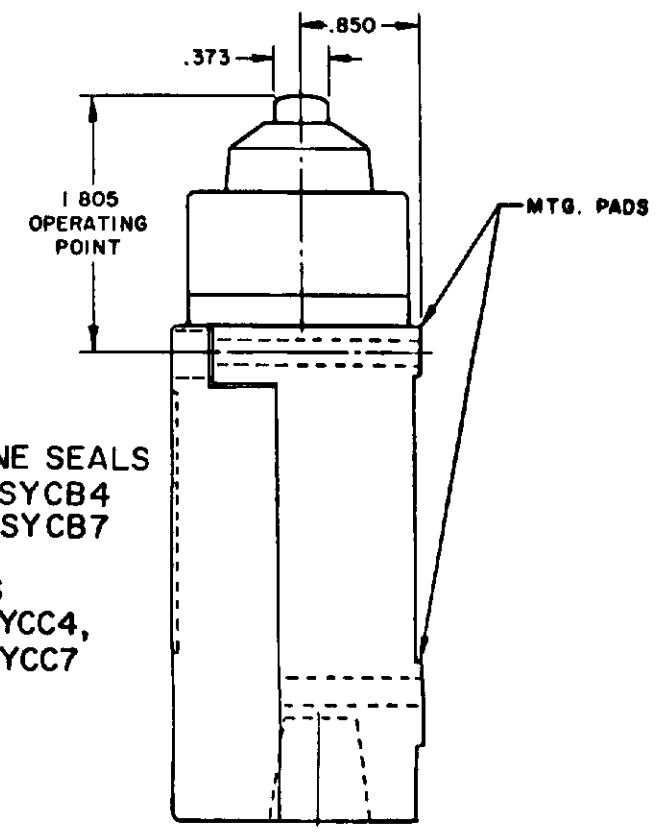
# PLUNGER TYPE TOP



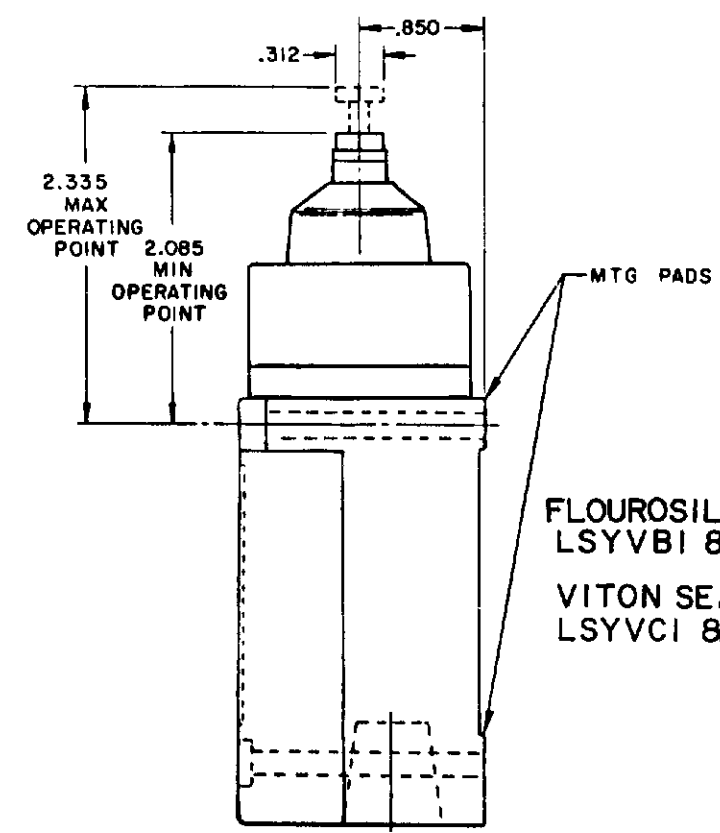
SINGLE POLE PLUG-IN ONLY  
WITH INDICATOR LAMP



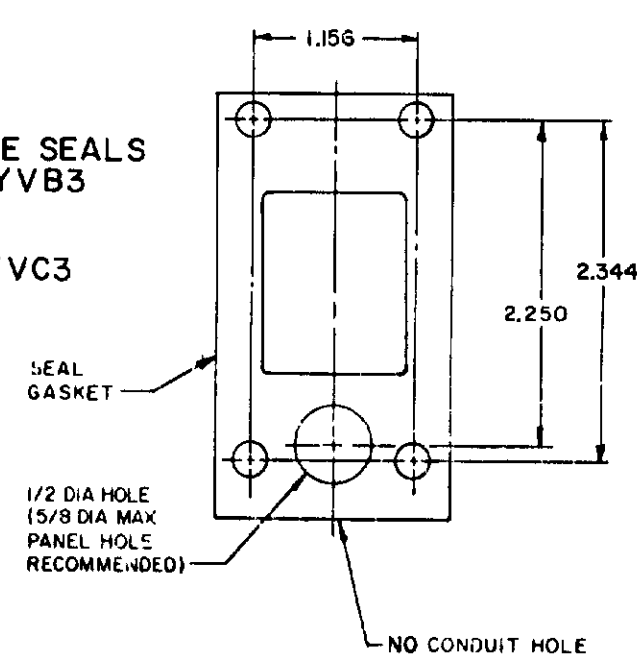
120 LAMP VOLTAGE -  
LSYCB 5, LSYDB5, LSYVB5  
LSYCC5, LSYDC5, LSYVC5  
240 LAMP VOLTAGE -  
LSYCB8, LSYDB8, LSYVB8  
LSYCC8, LSYDC8, LSYVC8



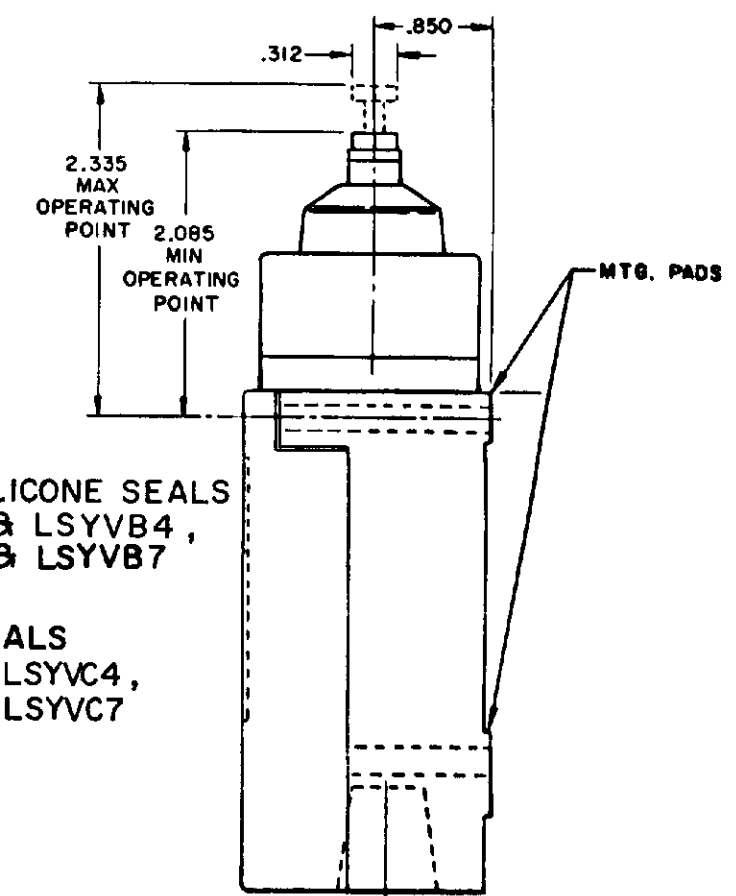
MANIFOLD MOUNT (PLUG-IN ONLY)  
SINGLE POLE AND DOUBLE POLE  
TYPE LSYA THROUGH LSYW SERIES



FLOUROSILICONE SEALS  
LSYVB1 & LSYVB3  
VITON SEALS  
LSYVC1 & LSYVC3



FLOUROSILICONE SEALS  
LSYVB2 & LSYVB4,  
LSYVB6 & LSYVB7  
VITON SEALS  
LSYVC2 & LSYVC4,  
LSYVC6 & LSYVC7



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A DIVISION OF HONEYWELL  
7500 MICROSITE DRIVE  
MILWAUKEE, WISCONSIN 53223  
**SWITCH - ENCLOSED**  
**LSY SERIES**  
**CHART 1**

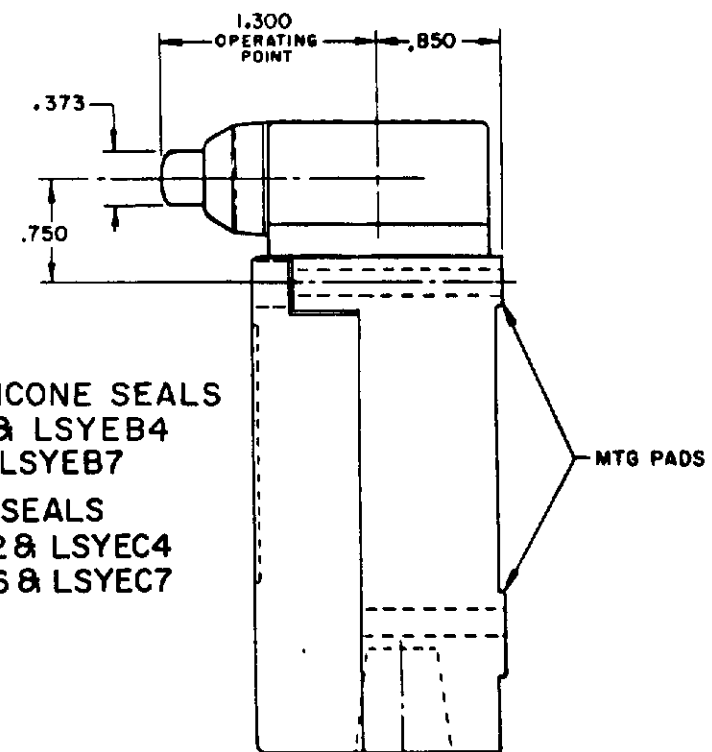
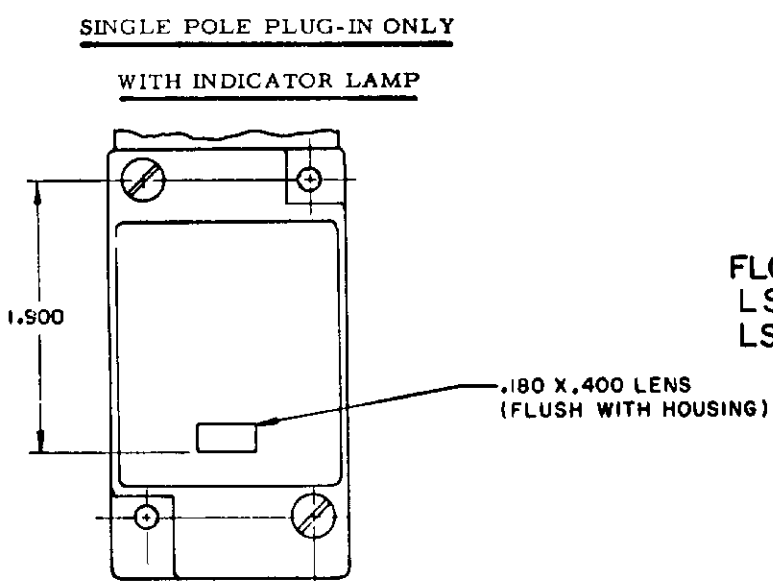
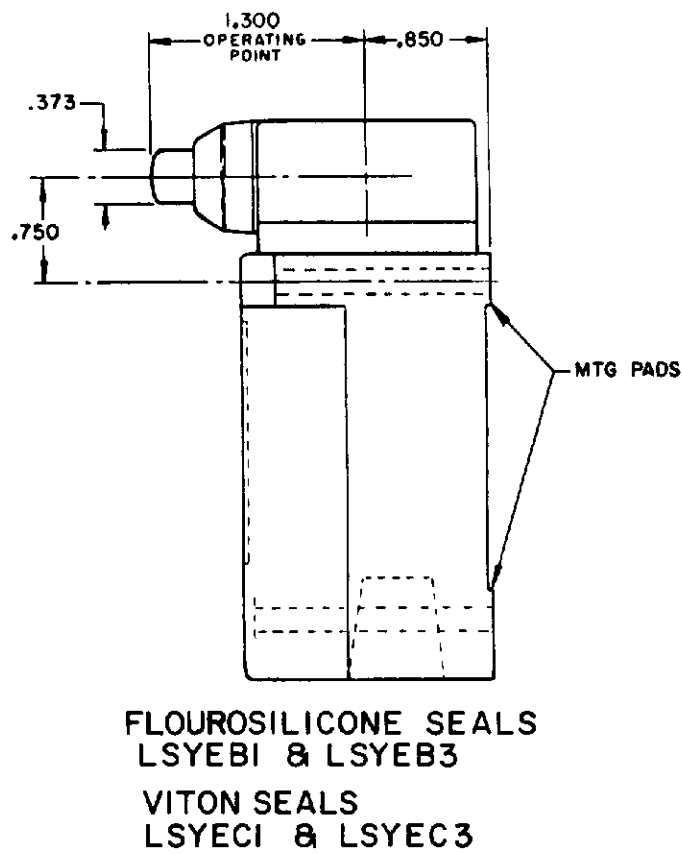
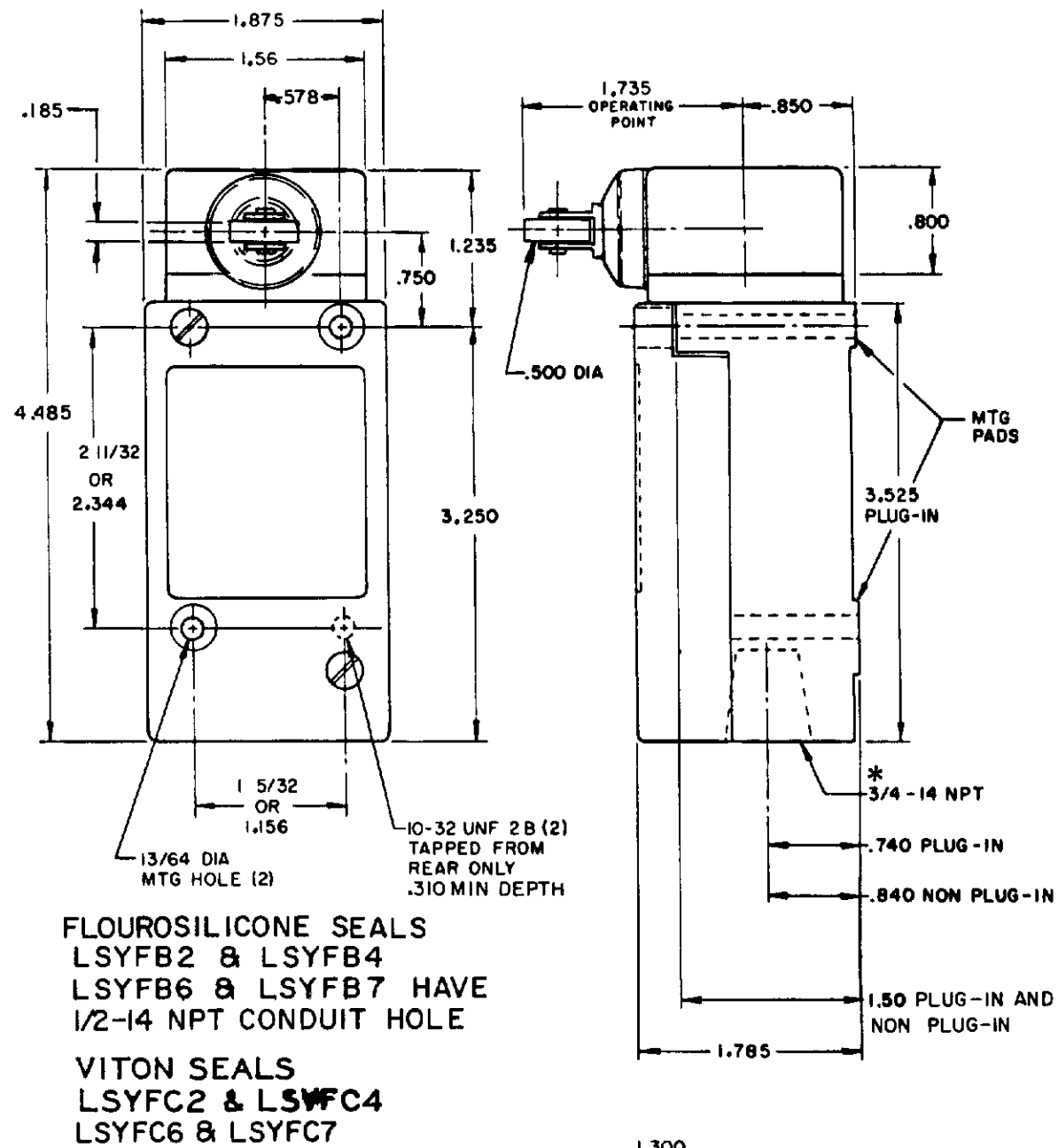
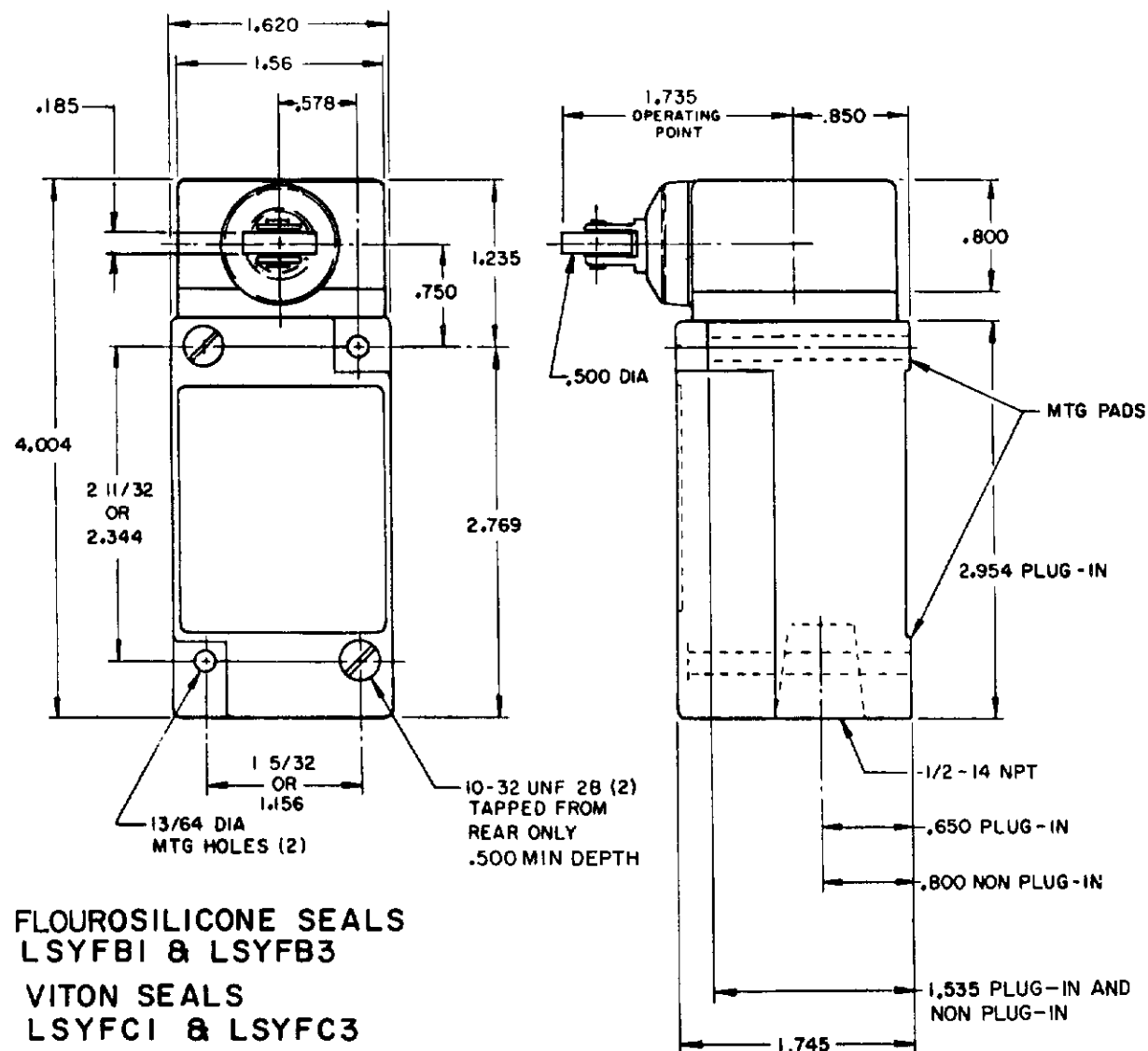
SCALE NONE  
DO NOT SCALE PRINT

NOTES:  
1 - ALL UNITS AVAILABLE WITH  
FLOUROSILICONE AND VITON SEALS

## SIDE PLUNGER TYPE

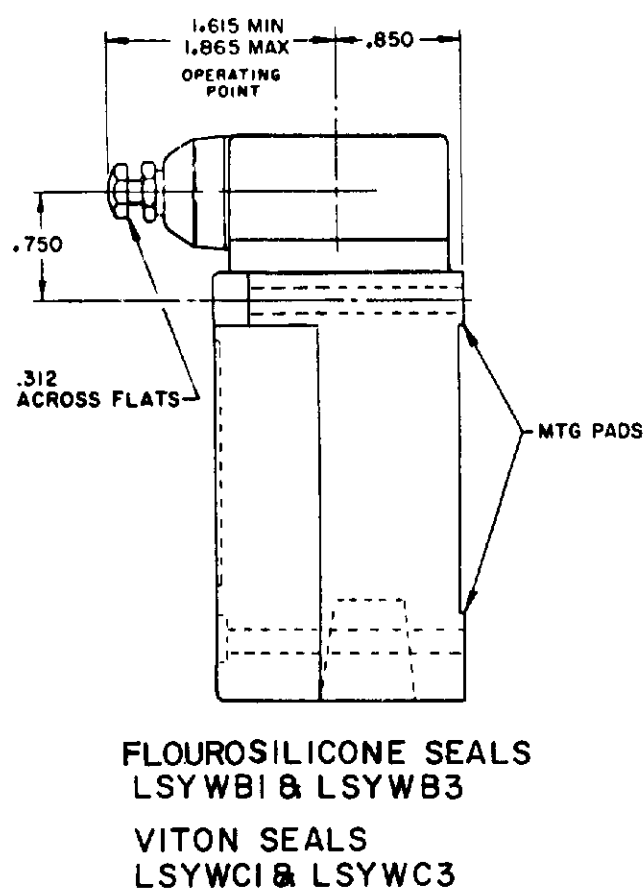
### SINGLE POLE

### DOUBLE POLE

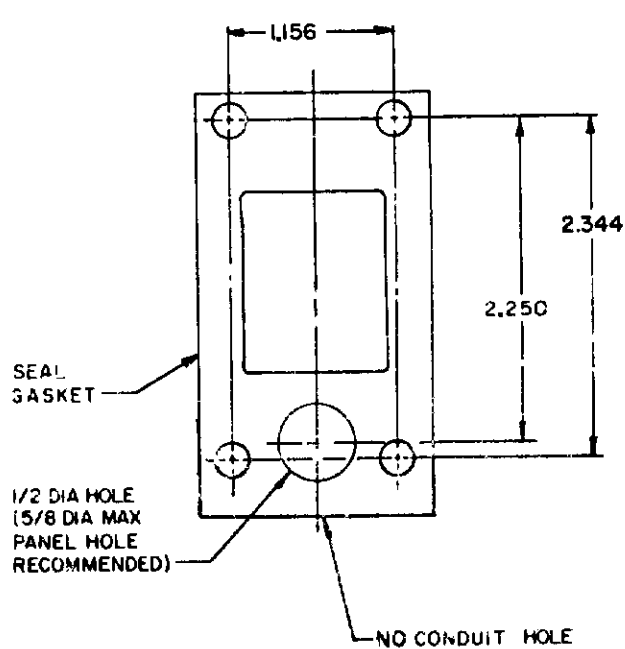


**120 LAMP VOLTAGE -**  
LSYFB5, LSYEB5, LSYWB5  
LSYFC5, LSYEC5, LSYWC5

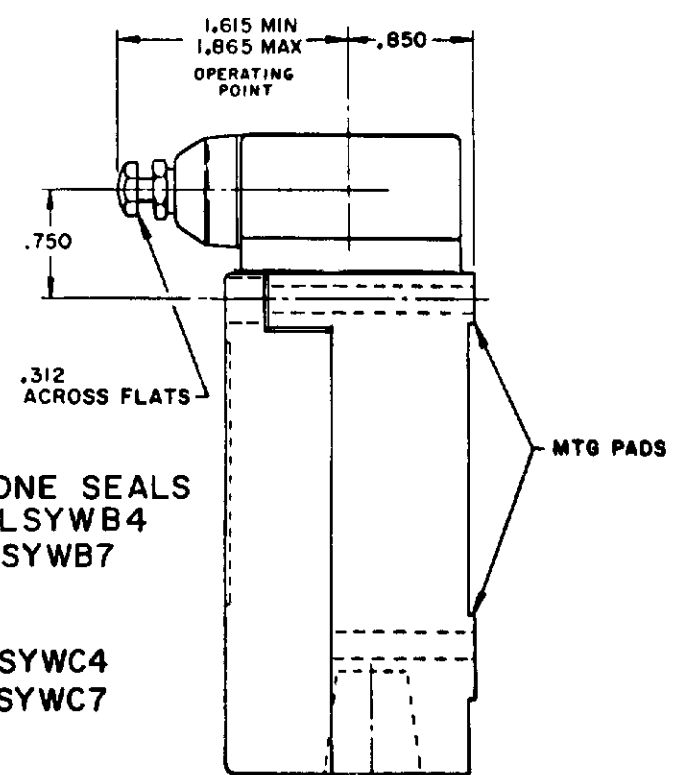
**240 LAMP VOLTAGE -**  
LSYFB8, LSYEB8, LSYWB8  
LSYFC8, LSYEC8, LSYWC8



**MANIFOLD MOUNT (PLUG-IN ONLY)**  
**SINGLE POLE AND DOUBLE POLE**  
**TYPE LSYA THROUGH LSYW SERIES**



**FLOUROSILICONE SEALS**  
LSYWB2 & LSYWB4  
LSYWB6 & LSYWB7  
**VITON SEALS**  
LSYWC2 & LSYWC4  
LSYWC6 & LSYWC7



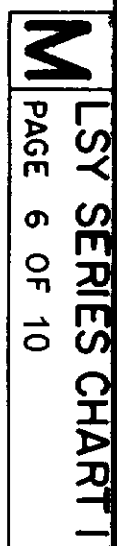
**NOTES:**  
1 - ALL UNITS AVAILABLE WITH  
FLOUROSILICONE AND VITON SEALS

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FED. REG. COPY # 948

**SWITCH - ENCLOSED**

**LSY SERIES**  
CATALOG LISTING  
**CHART 1**

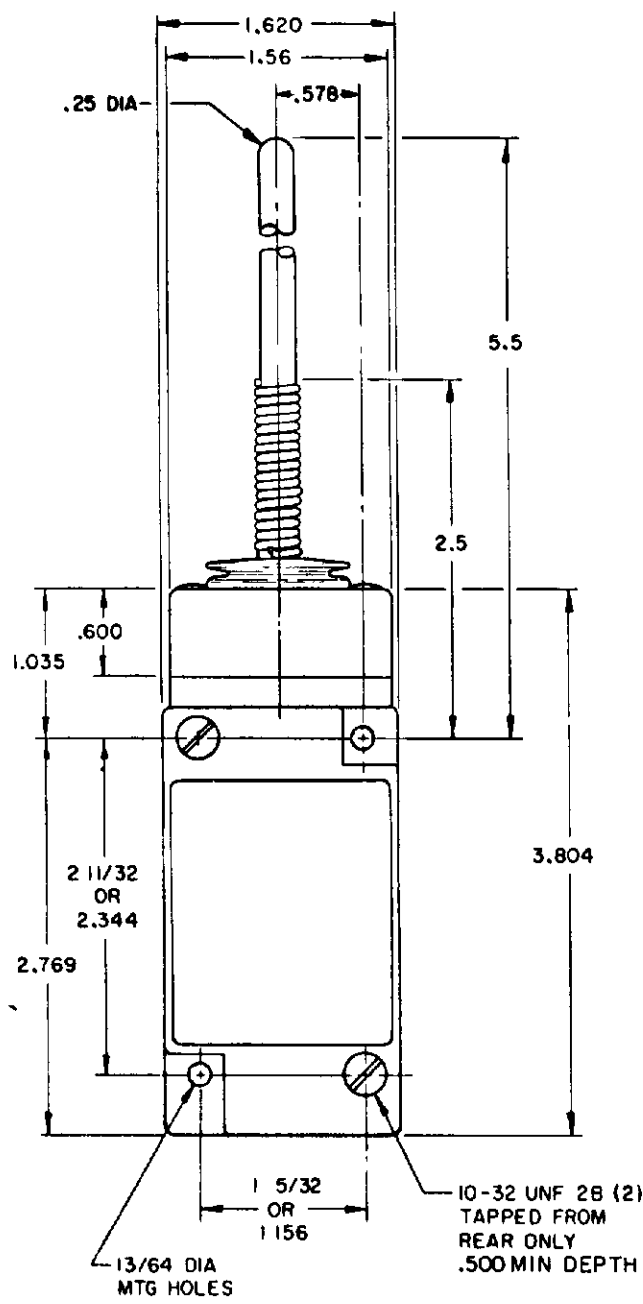
SCALE NONE  
DO NOT SCALE PRINT



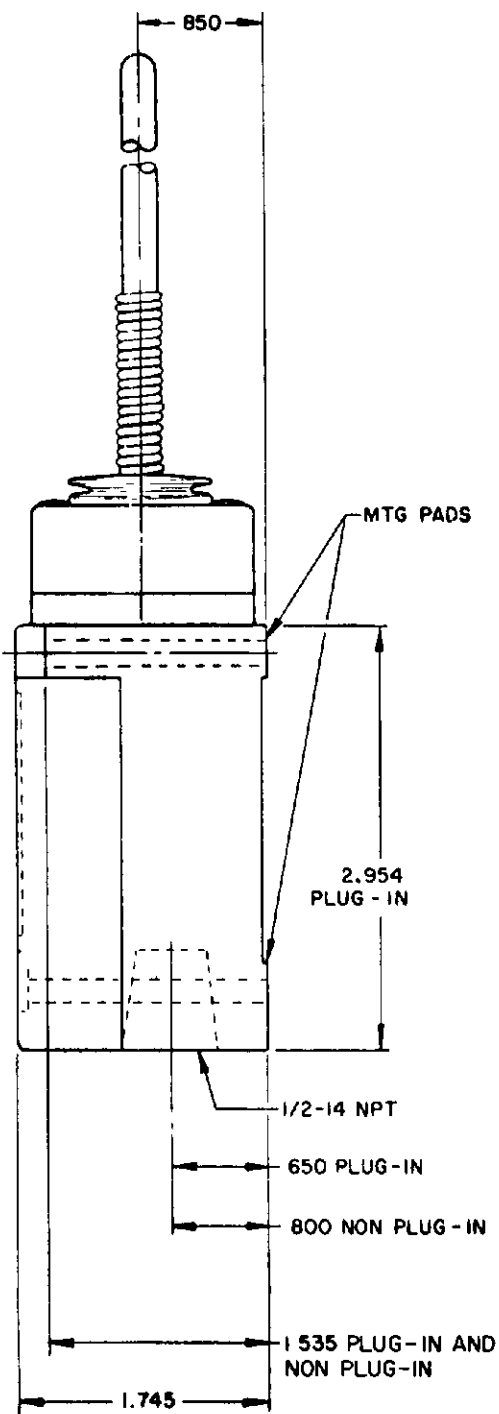
# WOBBLE STICK

## SINGLE POLE

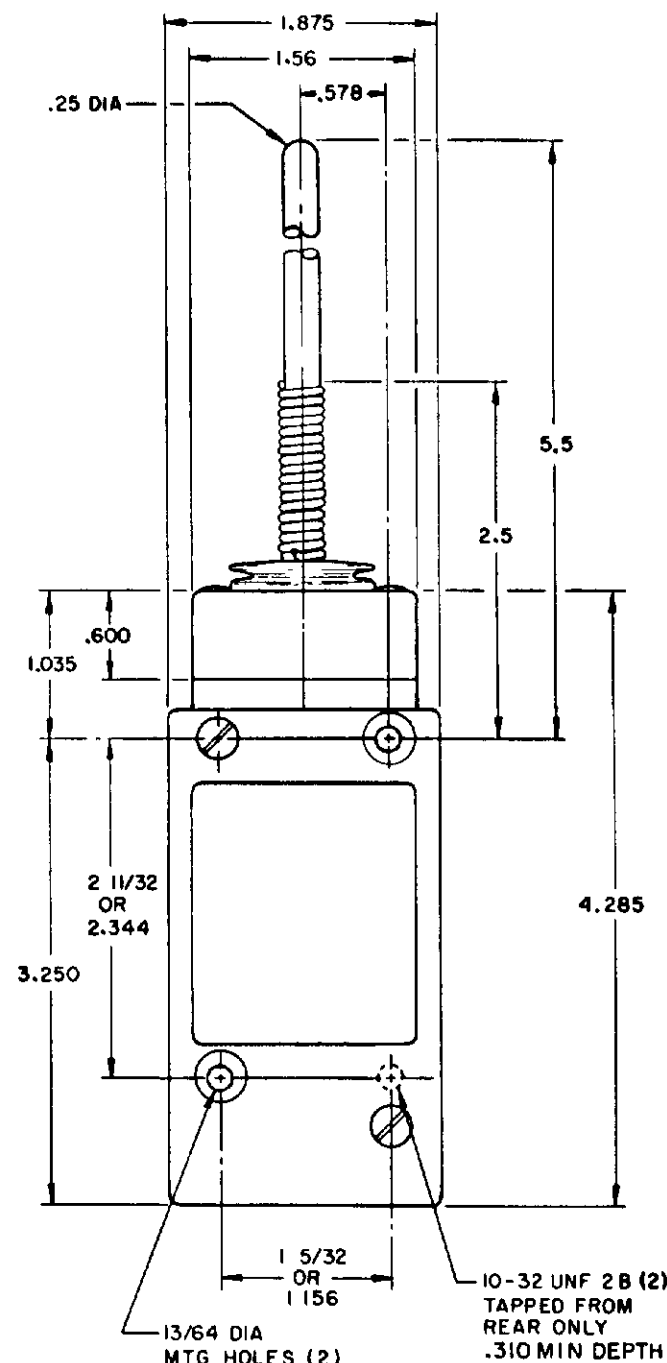
## DOUBLE POLE



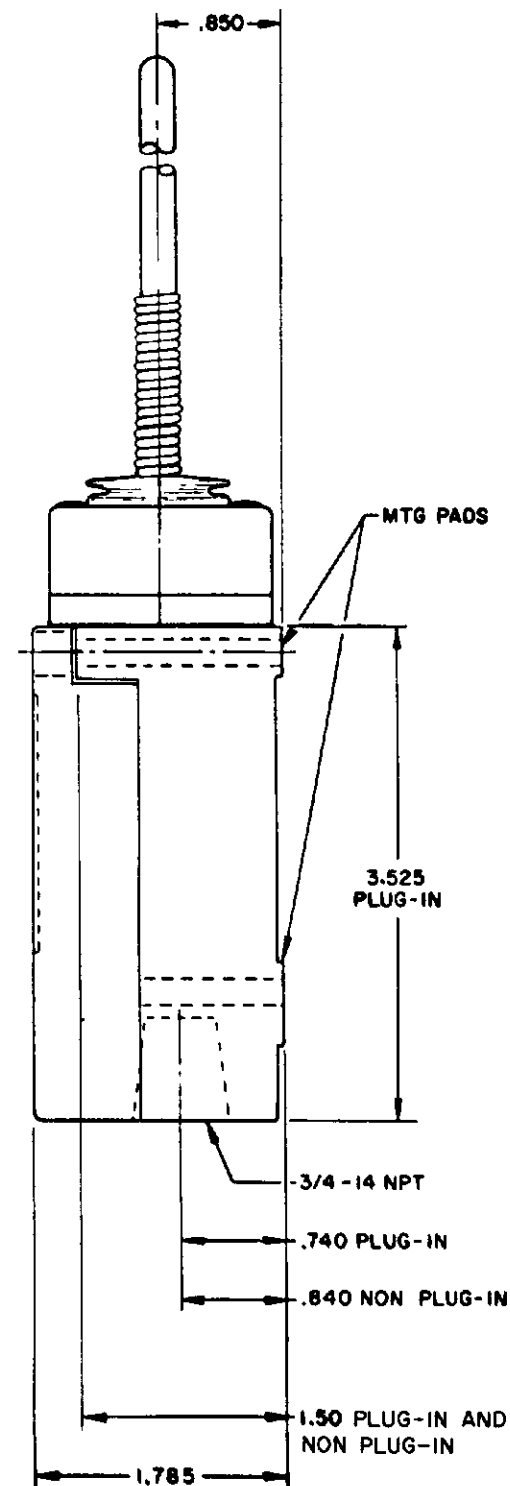
**PLASTIC EXTENSION  
TYPE 7A ACTUATOR**



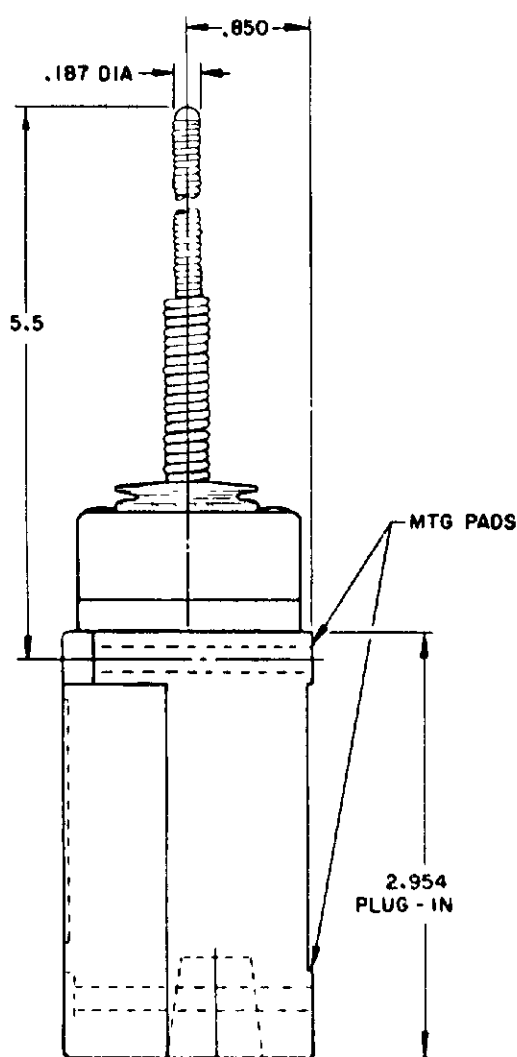
**REPLACEMENT ACTUATOR  
LSZ 4009**



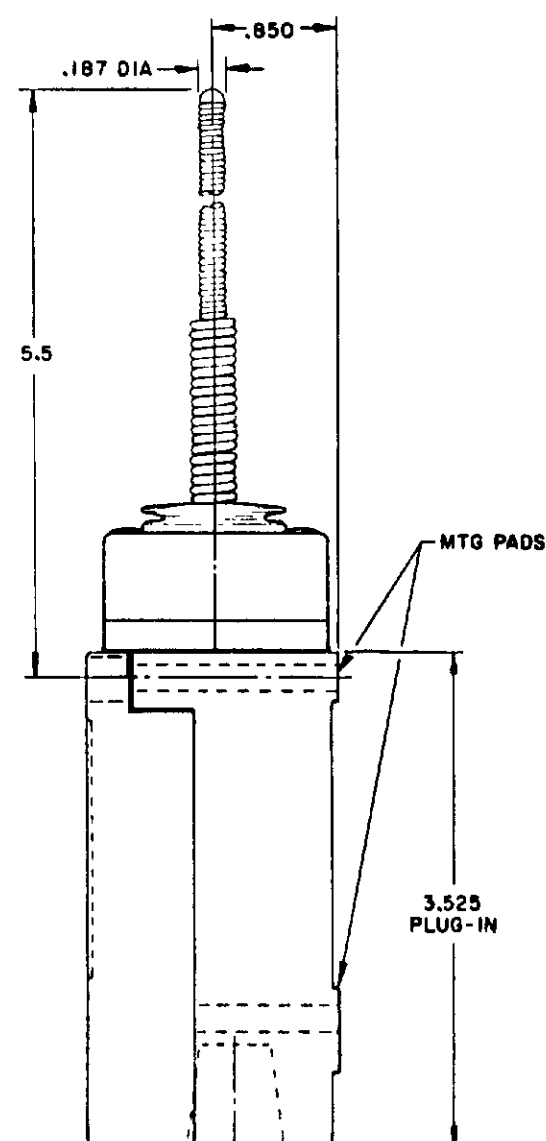
**PLASTIC EXTENSION  
TYPE 7A ACTUATOR**



**REPLACEMENT ACTUATOR  
LSZ 4011**

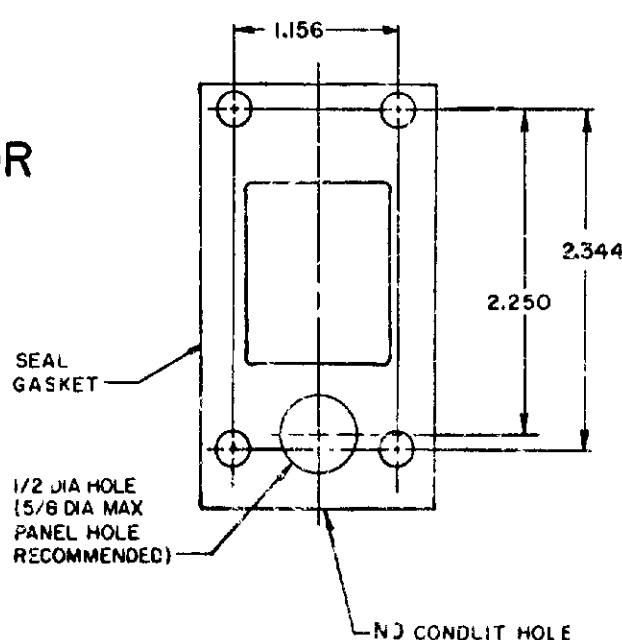


**CABLE EXTENSION  
TYPE 7N ACTUATOR**



**CABLE EXTENSION  
TYPE 7N ACTUATOR**

MANIFOLD MOUNT (PLUG-IN ONLY)  
SINGLE POLE AND DOUBLE POLE  
TYPE LSYA THROUGH LSYW SERIES



NOTES:  
1 - ALL UNITS AVAILABLE WITH  
FLUOROSILICONE AND VITON SEALS

**MICRO SWITCH**  
FREEPORT ILLINOIS U.S.A.  
A DIVISION OF HONEYWELL

**SWITCH-ENCLOSED**

**CHART 1**

**LSY SERIES**

SCALE NONE  
DO NOT SCALE PRINT

Technical drawing of a mechanical assembly. The drawing shows a vertical assembly with a central shaft. The shaft has a diameter of .850 at the top. A dimension of 13.0 is shown for the total height of the assembly. A dimension of 2.63 is shown for the height of the central shaft section. The shaft is labeled .075 DIA. The assembly is mounted on a base with MTG PADS (Mounting Pads) indicated by arrows.

Diagram of the front view of the Model 1000 camera. The overall height is dimensioned as 1.900. A callout points to the lens, which is labeled ".180 X .400 LENS (FLUSH WITH HOUSING)". The diagram shows the lens, viewfinder, and various controls on the front of the camera body.

120 LAMP VOLTAGE TYPE-LSYJB5 & LSYJC5  
240 LAMP VOLTAGE TYPE-LSYJB8 & LSYJC8

FLOUROSILICONE SEALS  
LSYJBI & LSYJB3

VITON SEALS  
LSYJC1 & LSYJC3

CAT WHISKER

A cross-sectional diagram of a mechanical assembly. The diagram shows a central vertical shaft with a diameter of .850. A spring is located on the shaft, with a distance of 2.56 from the bottom of the shaft to the top of the spring. The top of the shaft is labeled .047 DIA. The assembly is sealed with two types of seals: FLOUROSILICONE SEALS (LSYKBI & LSYKB3) and VITON SEALS (LSYKCI & LSYKC3). The VITON SEALS are shown as two distinct layers. The assembly is supported by MTG PADS. A dimension line on the left indicates a distance of 2.56 from the bottom of the shaft to the top of the spring. A dimension line at the top indicates a diameter of .850. A dimension line on the right indicates a diameter of .047 DIA. A dimension line on the left indicates a distance of 2.56 from the bottom of the shaft to the top of the spring. A dimension line on the left indicates a distance of 2.56 from the bottom of the shaft to the top of the spring. A dimension line on the left indicates a distance of 2.56 from the bottom of the shaft to the top of the spring.

WIRE EXTENSION

\*TYPE 8 A ACTUATOR 5.5 IN.  
TYPE 8 B ACTUATOR 7.5 IN.  
TYPE 8 C COIL ACTUATOR 5.5 IN

Technical drawing of a mechanical assembly, likely a valve or actuator component, showing a vertical shaft and internal components.

Dimensions and Labels:

- Top section dimension: .850
- Wire diameter: .047 DIA
- Spring dimension: 2.56
- Seals: SEALS
- YKB4
- YKB7
- NPT
- LE
- MTG PADS

## WIRE EXTENSION REPLACEMENTS

\*TYPE 8A ACTUATOR 5.5 IN. - LSZ 4012  
TYPE 8B ACTUATOR 7.5 IN. - LSZ 4013  
TYPE 8C ACTUATOR 5.5 IN. - LSZ 4014

NOTE-  
1 - ALL UNITS AVAILABLE WITH  
FLOUROSILICONE AND VITON SEALS

|                               | CAT WHISKER      |             |             | WOBBLE STICK |       |      |
|-------------------------------|------------------|-------------|-------------|--------------|-------|------|
| PRETRAVEL (APPROX) IN. RADIUS | 5 1/2" COIL WIRE | 5 1/2" WIRE | 7 1/2" WIRE | ROD          | CABLE | WIRE |
|                               | 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  |

THIS DRAWING COVER  
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**MICRO SWITCH**  
FREERPORT ILLINOIS U S A  
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FED REG CODE 91919

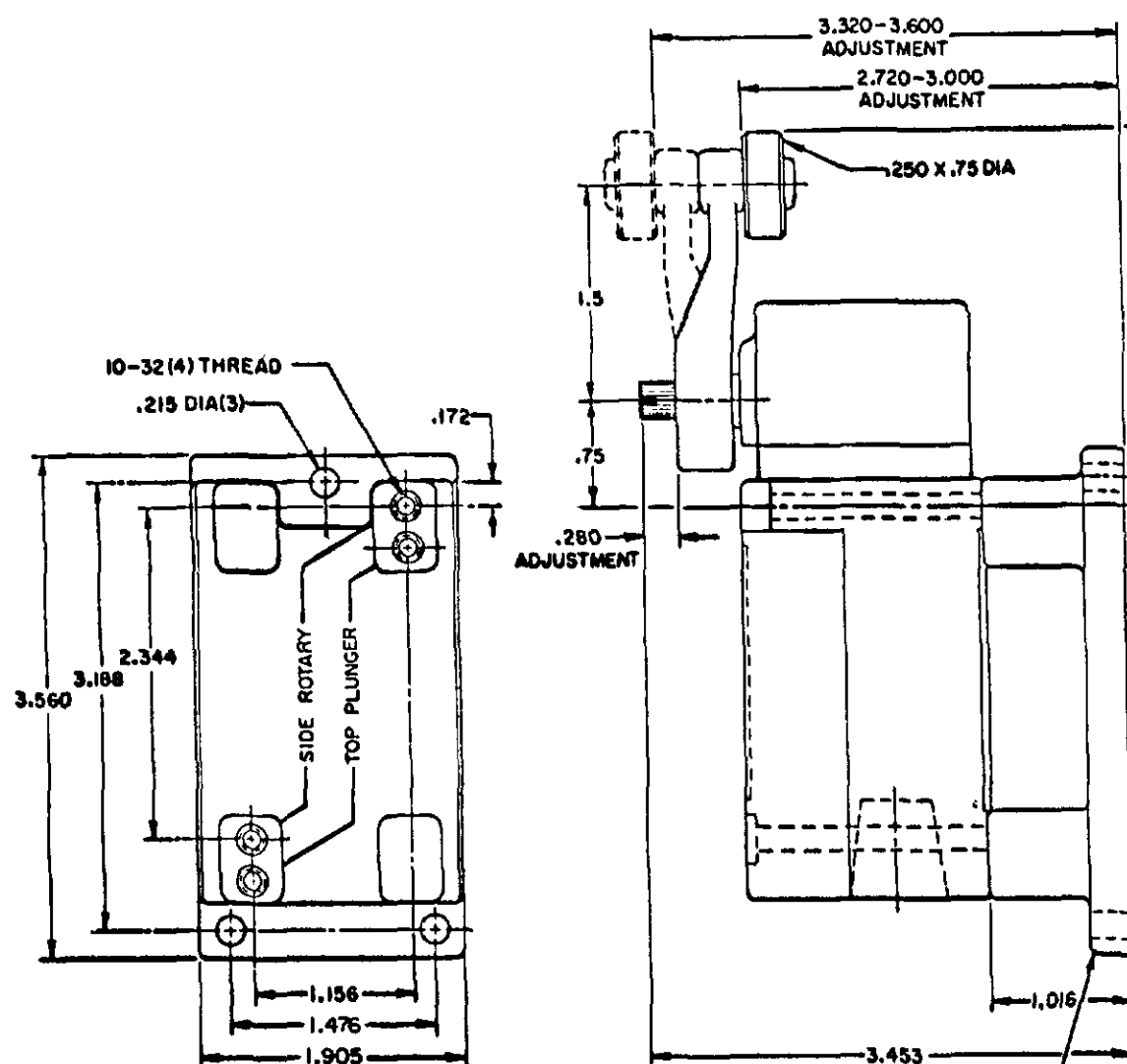
**SWITCH-ENCLOSED**

LSY SERIES  
CHART 1

SCALE NONE  
DO NOT SCALE PRINT

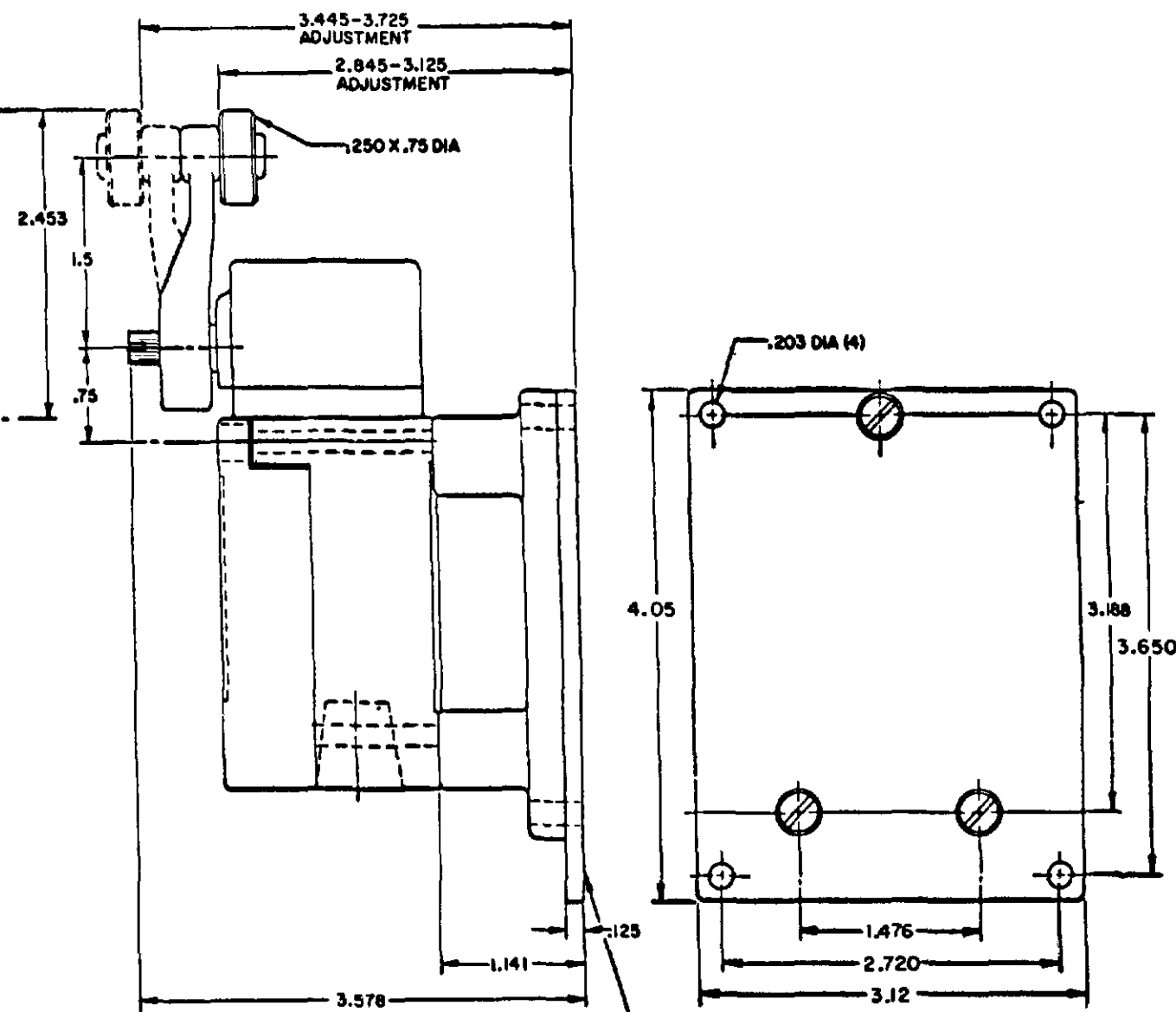
## CONVERSION BASES

### SINGLE POLE (SIDE ROTARY) LSZ 4003



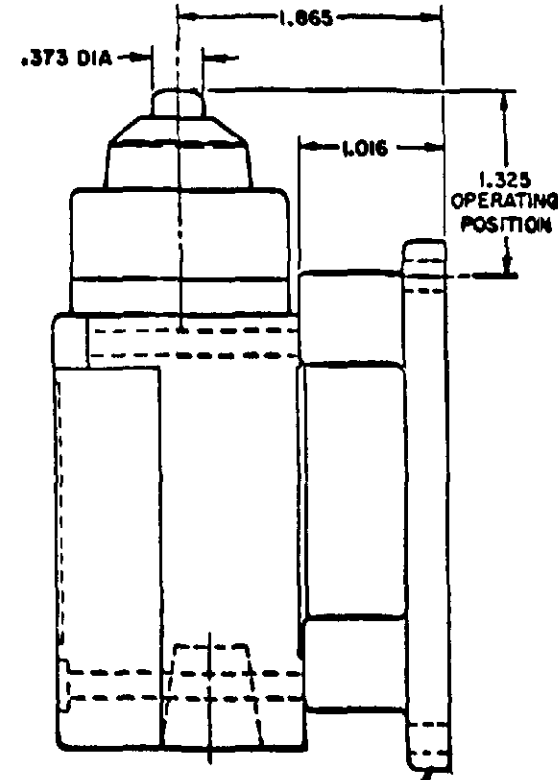
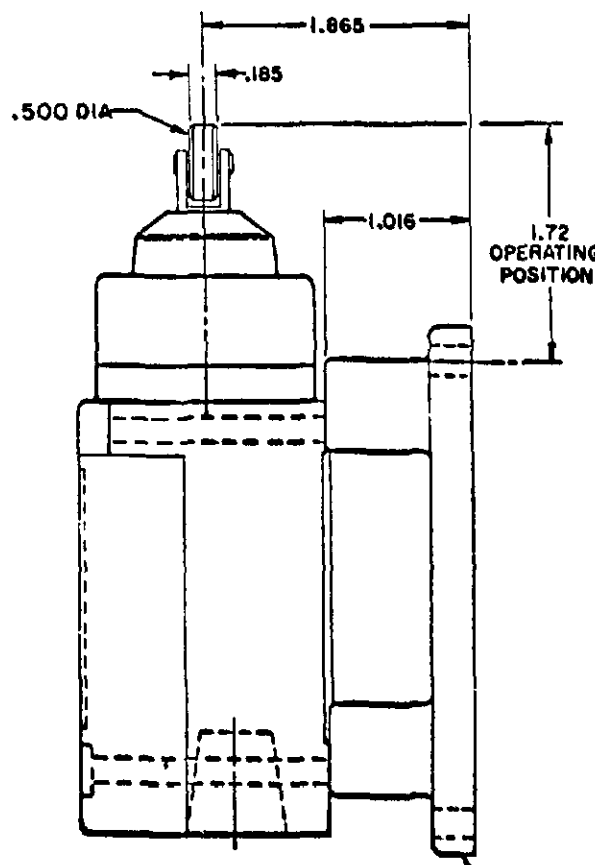
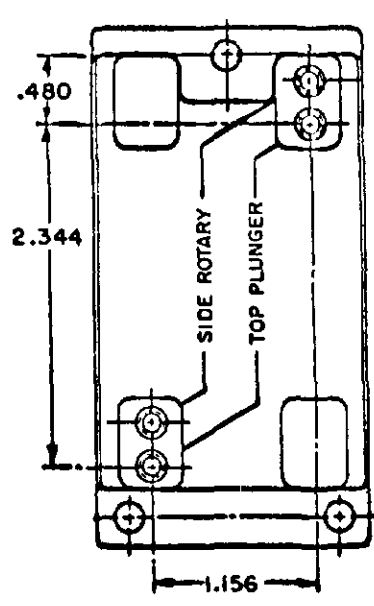
LSZ4003 CONVERSION BASE, WHEN USED WITH HEAVY DUTY LS WILL GIVE SAME TRACKING AS 201LS TYPE (LIMIT SWITCH NOT INCLUDED)

### DOUBLE POLE (SIDE ROTARY) LSZ4004



LSZ4004 (FURNISHED ASSEMBLED) CONVERSION BASE, WHEN USED WITH HDLS WILL GIVE SAME TRACKING AS 301LS TYPE (LIMIT SWITCH NOT INCLUDED)

### SINGLE POLE TOP PLUNGER LSZ4003



LSZ4003 CONVERSION BASE, WHEN USED WITH HDLS WILL GIVE SAME TRACKING AS 201LS TYPE (LIMIT SWITCH NOT INCLUDED)

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FID. MFG. CODE 9188

**SWITCH - ENCLOSED**

**LSY SERIES**  
CATALOG LISTING  
**CHART 1**

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- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
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ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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