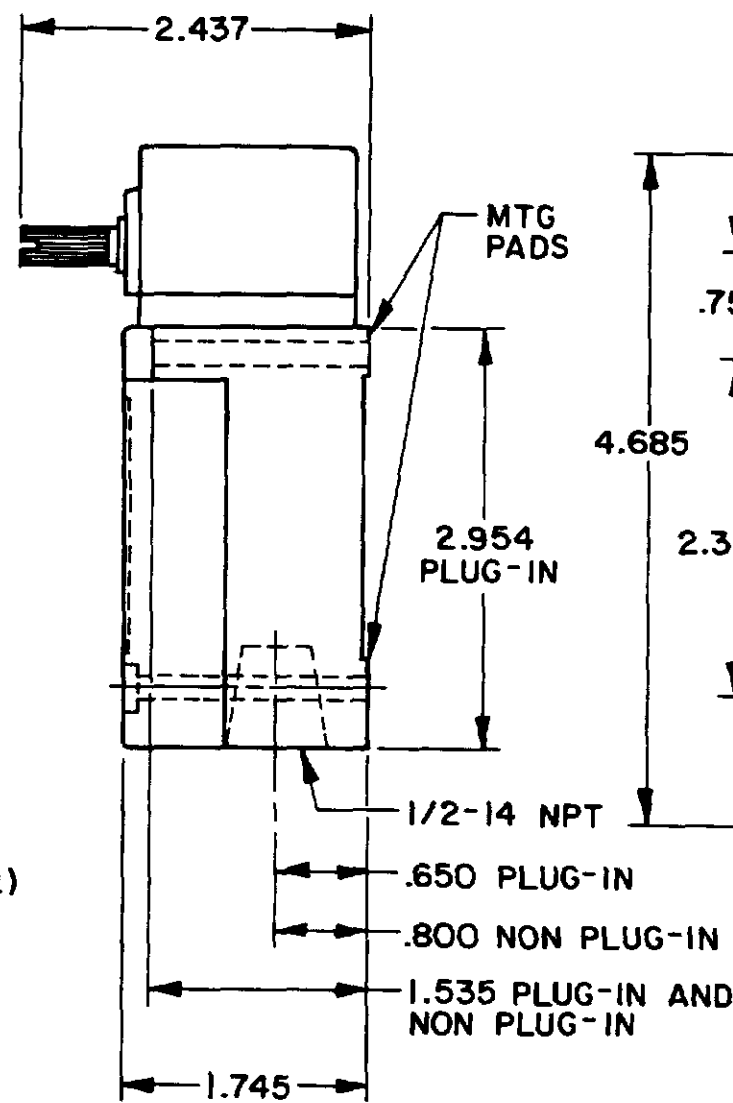
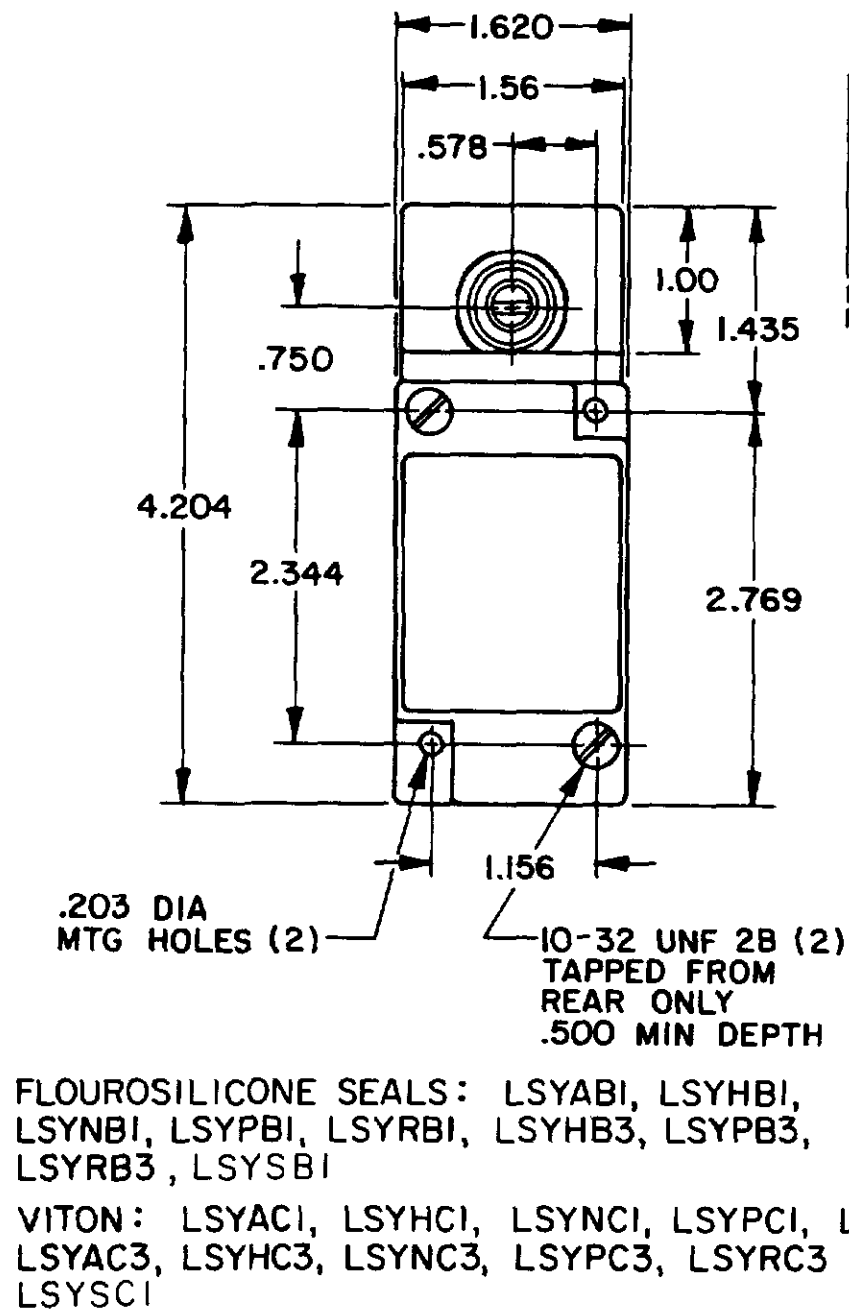


| OPERATING<br>CHARACTERISTICS | LSYA                 |                      | LSYR                    |                      | LSYN       | LSYP                                           |                      | LSYH                                         |                      | LSYL                               | LSYM                                  | LSYS           | LSYU              |                   |
|------------------------------|----------------------|----------------------|-------------------------|----------------------|------------|------------------------------------------------|----------------------|----------------------------------------------|----------------------|------------------------------------|---------------------------------------|----------------|-------------------|-------------------|
|                              | MOMENTARY            |                      | MOMENTARY<br>LOW TORQUE |                      | MAINTAINED | MOMENTARY<br>LOW PRETRAVEL<br>AND DIFF. TRAVEL |                      | MOMENTARY<br>LOW PRETRAVEL<br>AND LOW TORQUE |                      | SEQUENCE<br>DOUBLE POLE<br>ONLY    | CENTER NEUTRAL<br>DOUBLE POLE<br>ONLY | GRAVITY RETURN | LOW<br>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<br>TRAVEL(MAX)  | SINGLE<br>POLE<br>5° | DOUBLE<br>POLE<br>7° | SINGLE<br>POLE<br>5°    | DOUBLE<br>POLE<br>7° | 40°        | SINGLE<br>POLE<br>3°                           | DOUBLE<br>POLE<br>4° | SINGLE<br>POLE<br>3°                         | DOUBLE<br>POLE<br>4° | 5°                                 | 10°                                   | 12°            | SGL<br>POLE<br>3° | DBL<br>POLE<br>4° |
| TOTAL TRAVEL<br>(REF)        | 75°                  |                      | 75°                     |                      | 90°        | 75°                                            |                      | 75°                                          |                      | 75°                                | 75°                                   | 360°           | 75°               |                   |
| OPERATING<br>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<br>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         |                   |

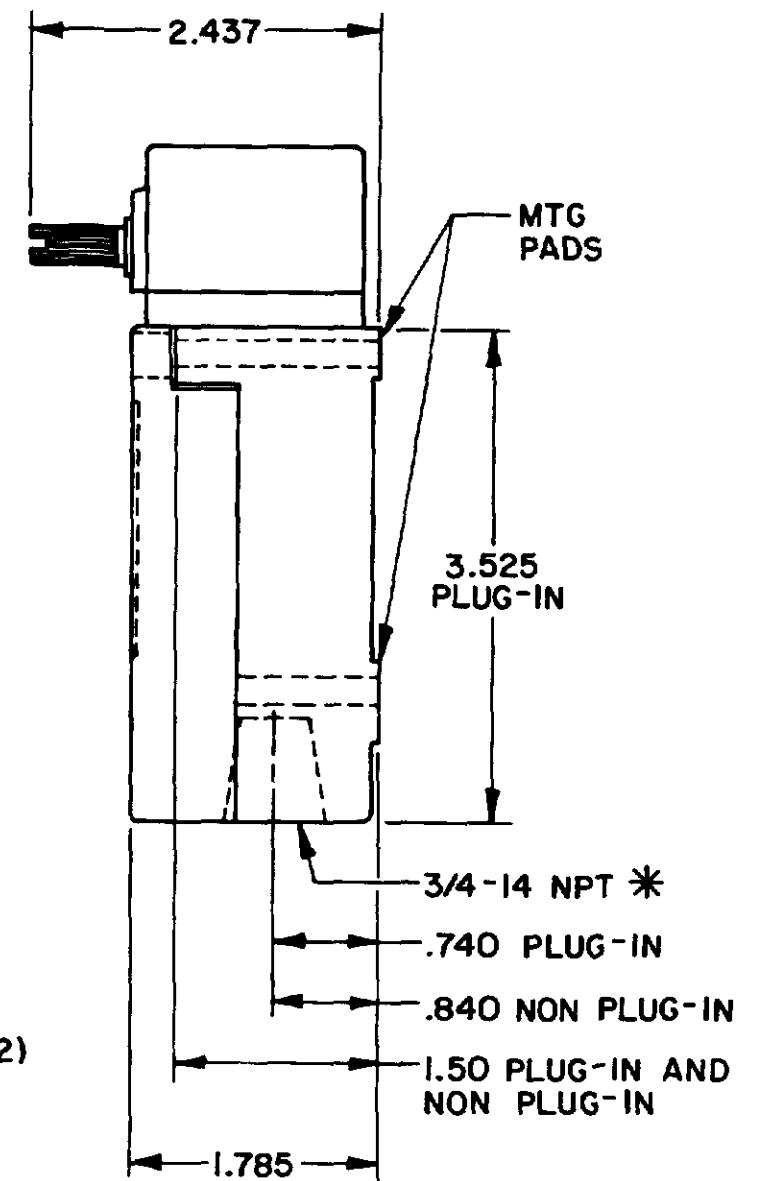
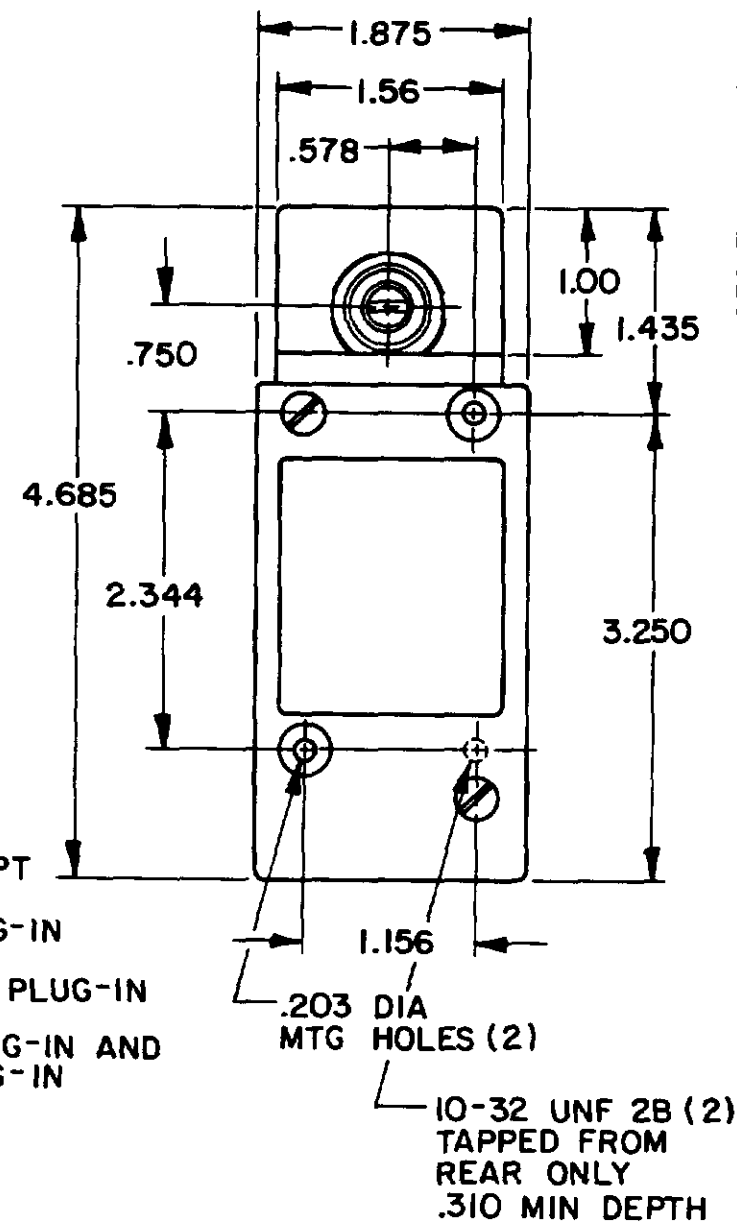
## SIDE ROTARY

### SINGLE POLE

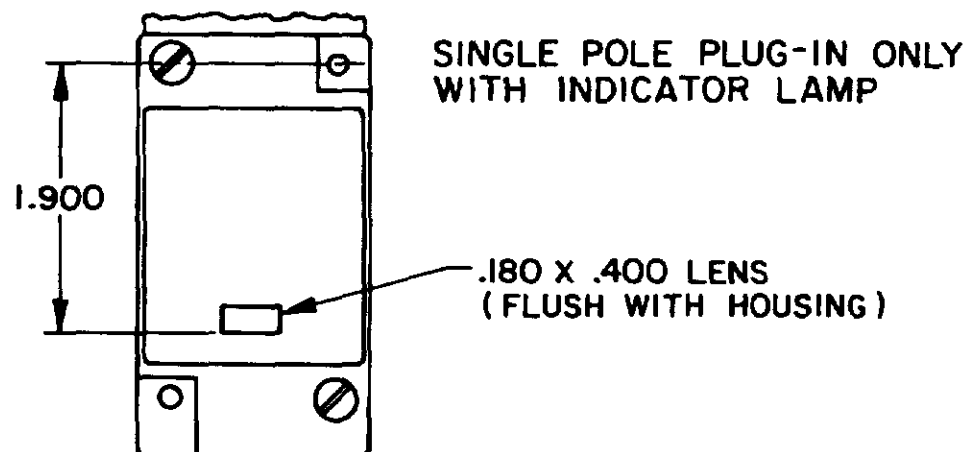
### DOUBLE POLE



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)

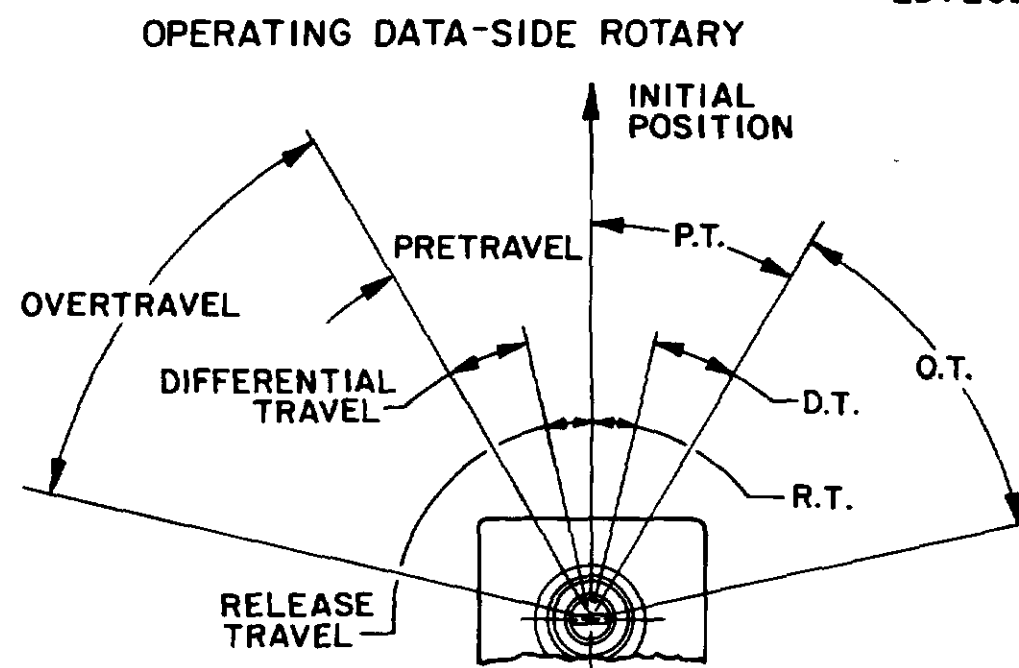


VITON SEALS: LSYAC2, LSYHC2, LSYNC2, LSYPC2, LSYRC2, LSYAC4, LSYHC4, LSYNC4, LSYPC4, LSYRC4, LSYMC2, LSYMC4, LSYMC6, LSYMC7, LSYLC2, LSYLC4, LSYLC6, LSYLC7

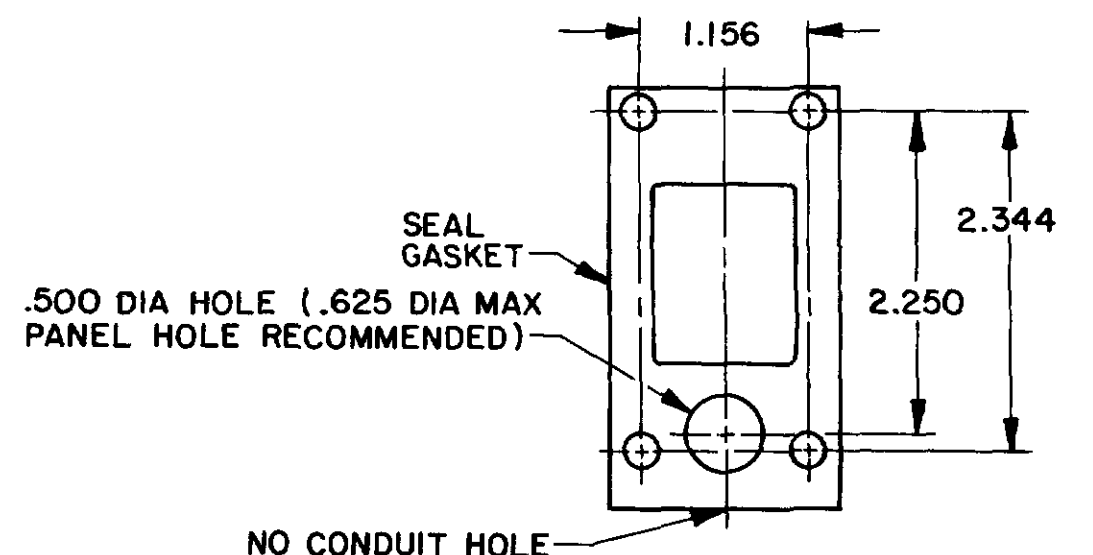


120 LAMP VOLTAGE -  
TYPE LSYAB5, LSYHB5, LSYNB5, LSYPB5, LSYRB5, LSYAC5, LSYHC5, LSYNC5, LSYPC5, LSYRC5  
240 LAMP VOLTAGE -  
TYPE LSYAB8, LSYHB8, LSYNB8, LSYPB8, LSYRB8, LSYAC8, LSYHC8, LSYNC8, LSYPC8, LSYRC8

NOTE  
1 - ALL UNITS AVAILABLE WITH  
FLUOROSILICONE AND VITON SEALS



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



MICRO SWITCH  
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A DIVISION OF HONEYWELL  
FED. REG. CODE 51429

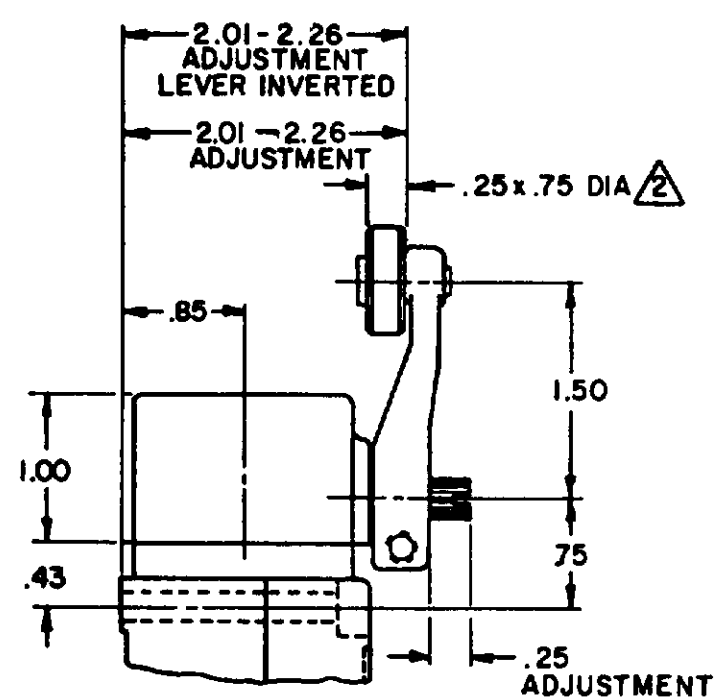
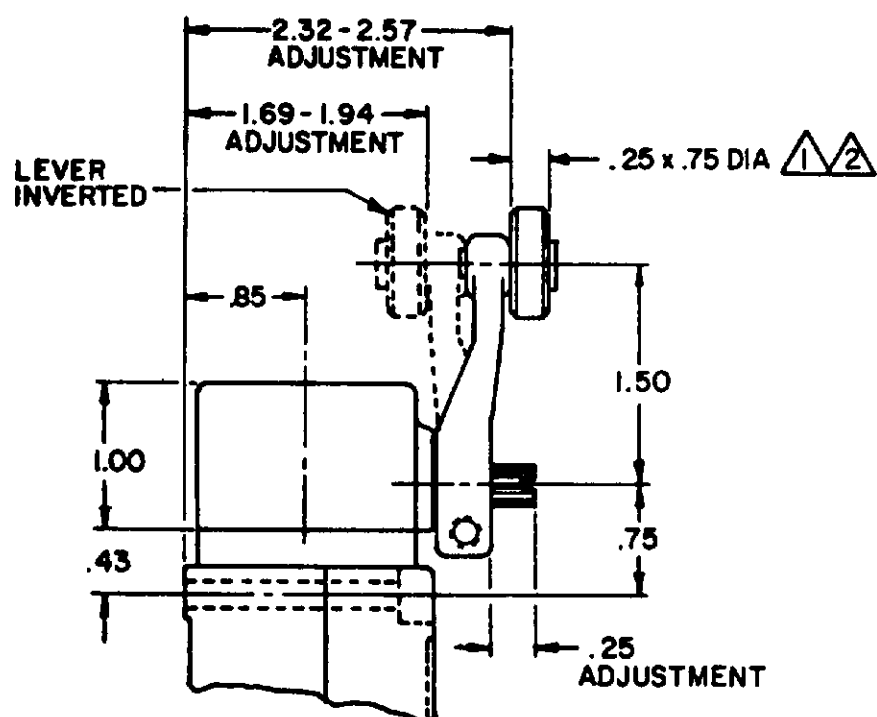
SWITCH-ENCLOSED

LSY SERIES  
CATALOG LISTING  
CHART 1

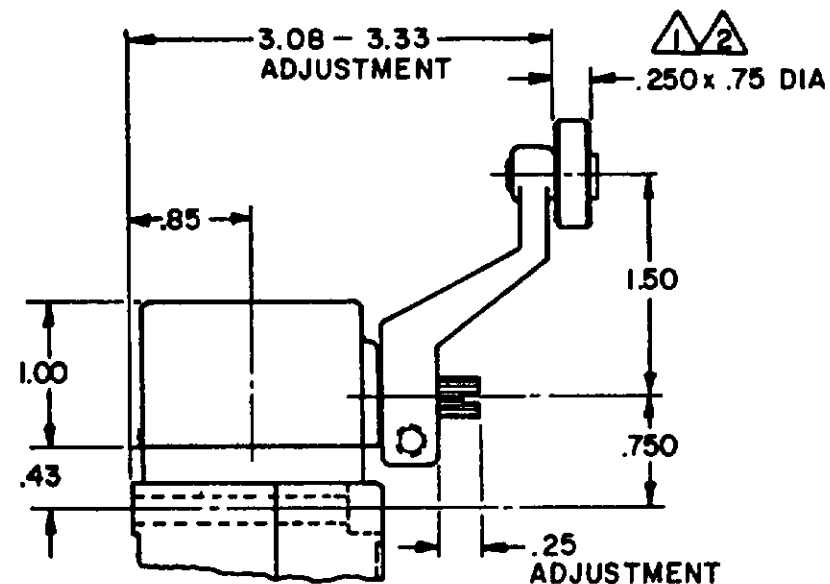
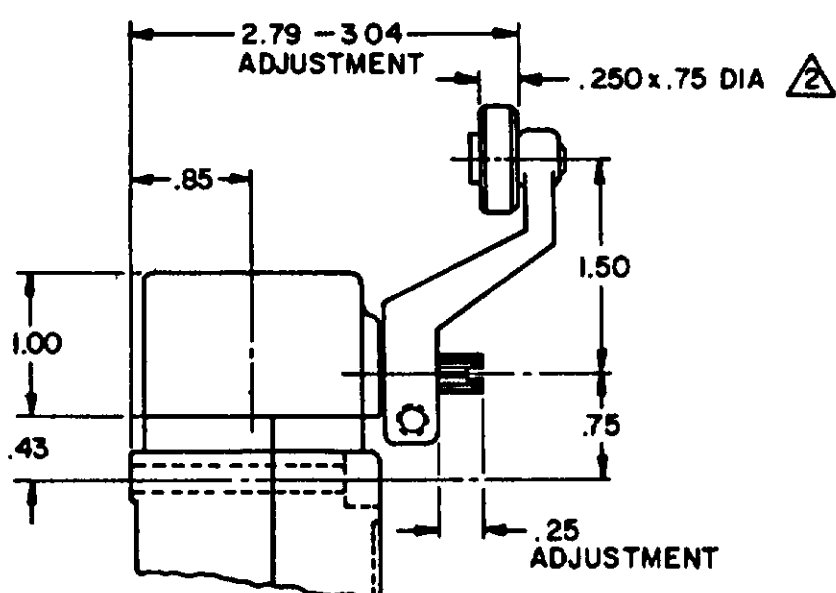
LSY SERIES CHART 1  
PAGE 1 OF 10

| DESIGN UNITS | SCALE     | THIRD ANGLE PROJECTION |
|--------------|-----------|------------------------|
| INCHES       | 1" = 1"   |                        |
| MILLIMETERS  | 1" = 25.4 |                        |
| WEIGHT       |           |                        |

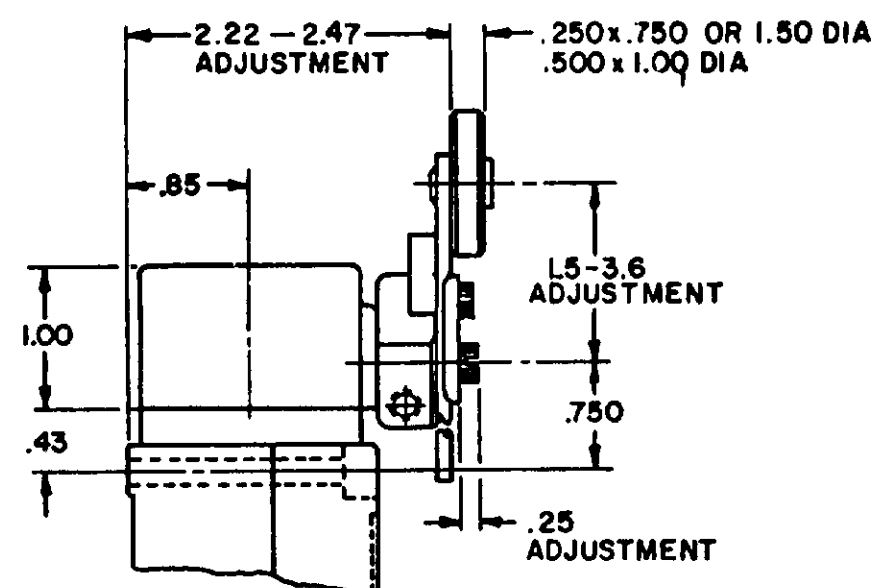
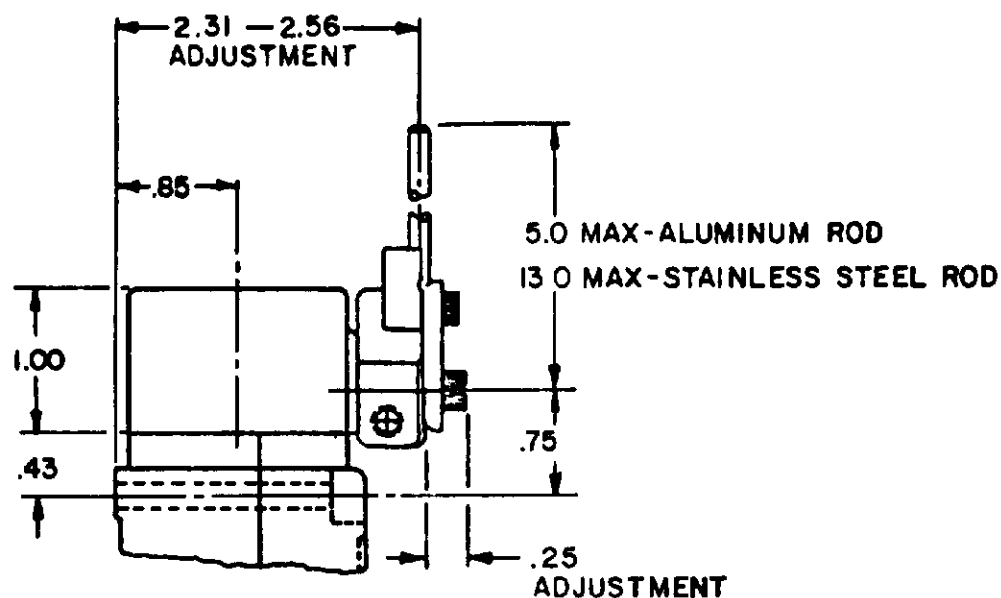
## SIDE ROTARY CAM TRACKING



## LSZ51 TYPE LEVERS

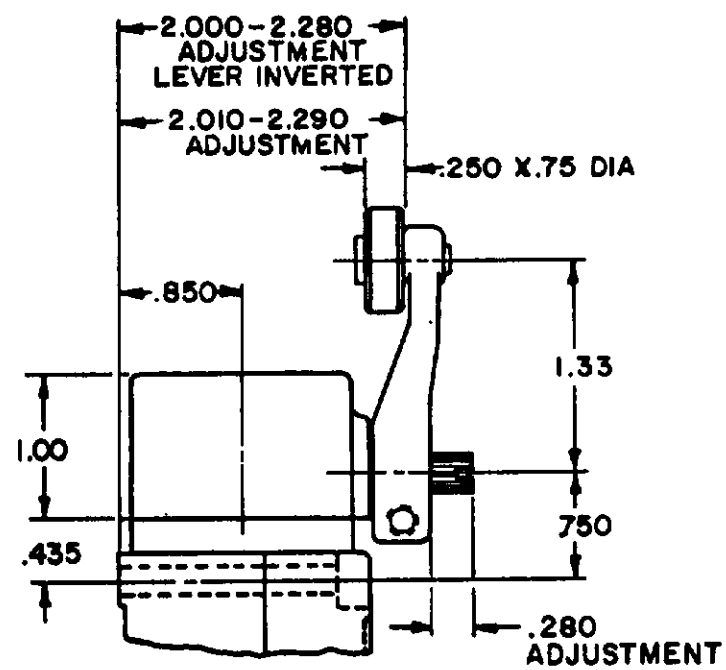
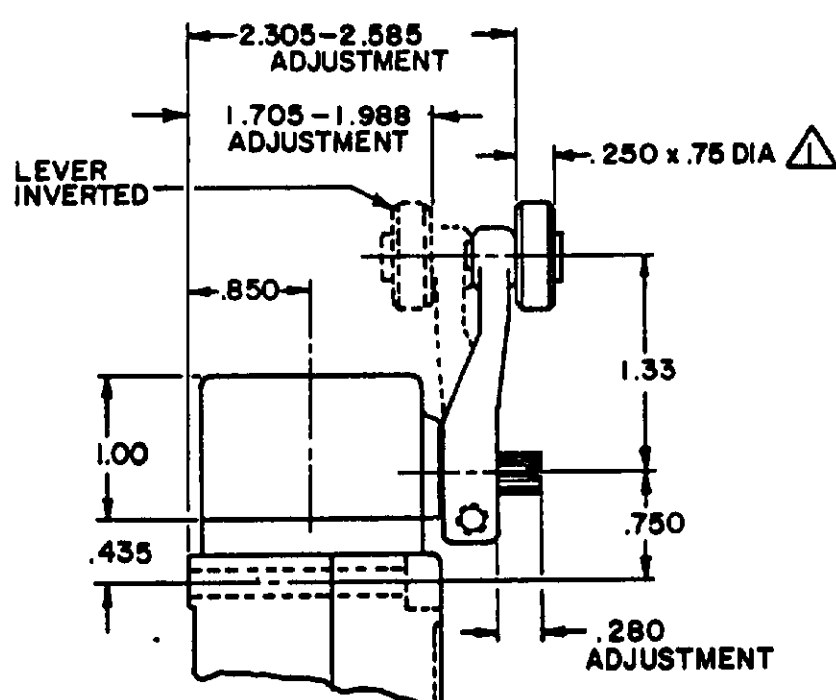


## LSZ55 TYPE LEVERS



## 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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**MICRO SWITCH**  
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

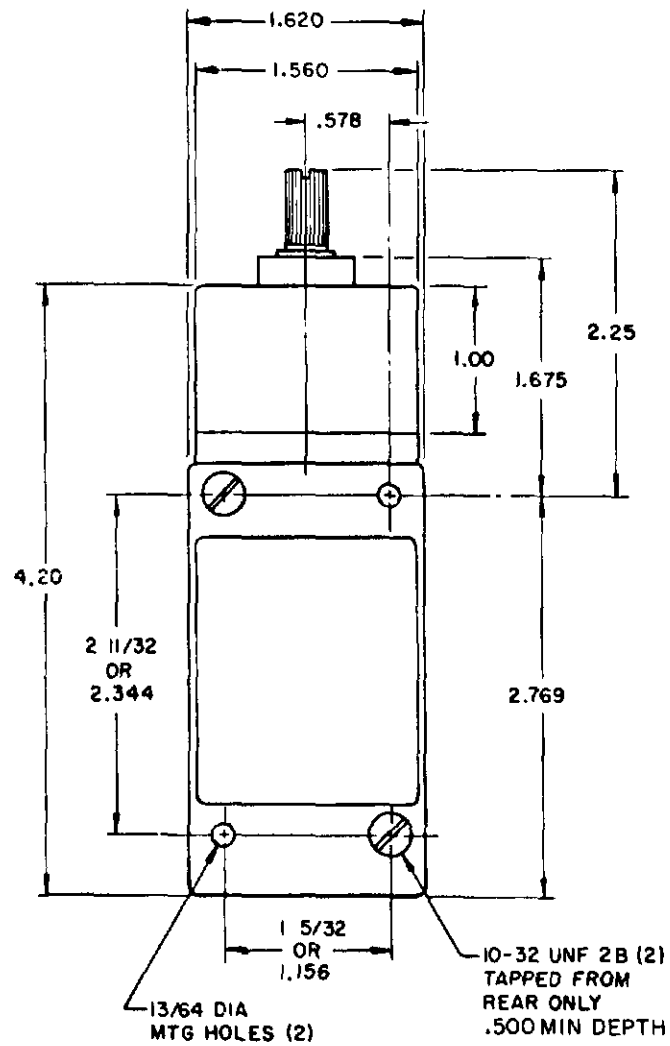
TWO PLACE (.00) ± .015

THREE PLACE (.000) ± .005

ANGLES ±

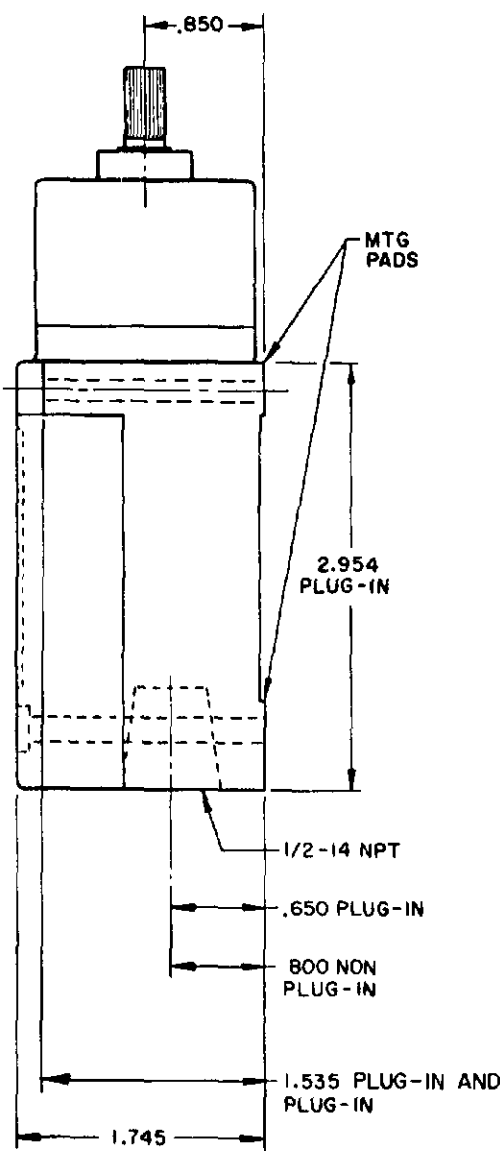
# TOP ROTARY

## SINGLE POLE



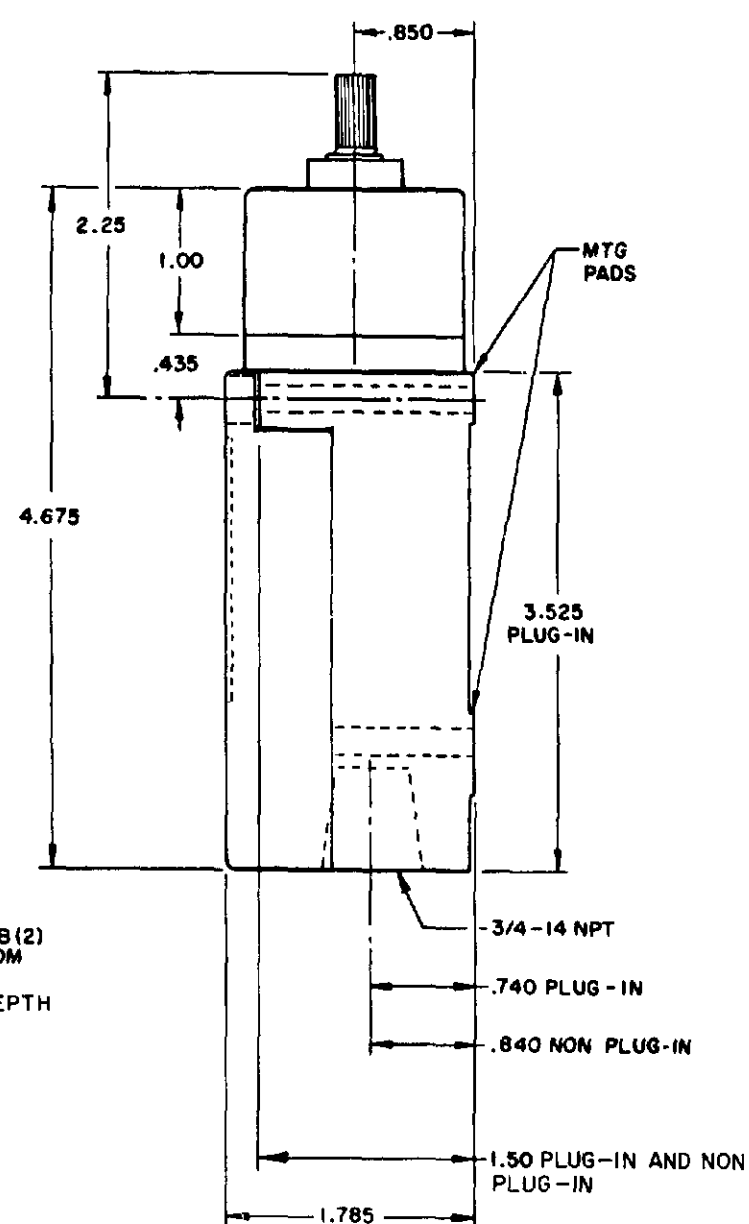
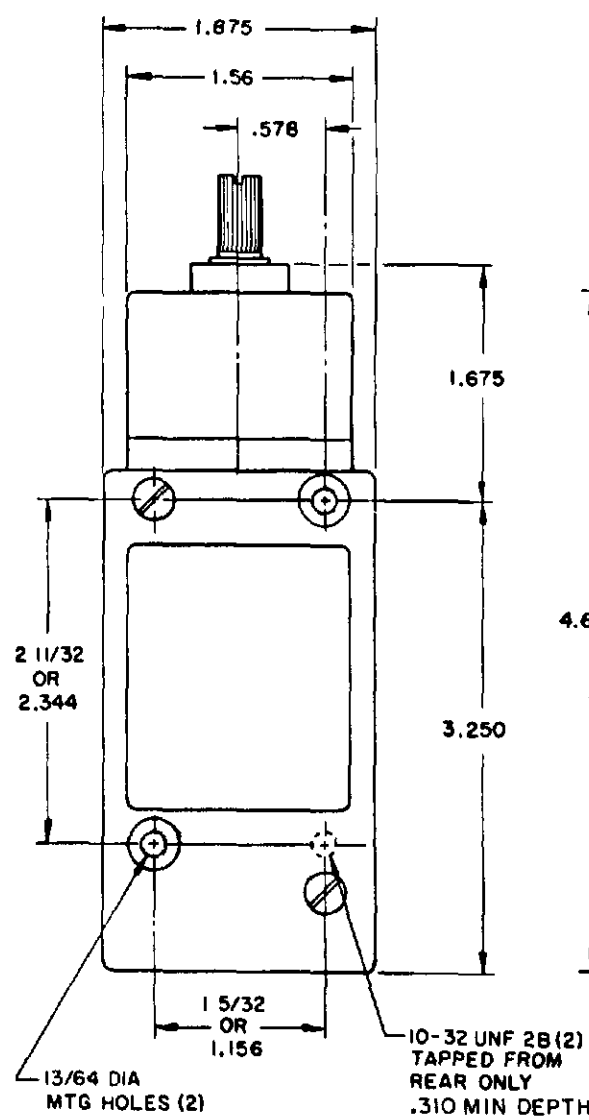
FLOUROSILICONE SEALS  
LSYBB1 & LSYBB3

VITON SEALS  
LSYBC1 & LSYBC3



|                         |                    |                    |
|-------------------------|--------------------|--------------------|
| 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°               |

## 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

## 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      |

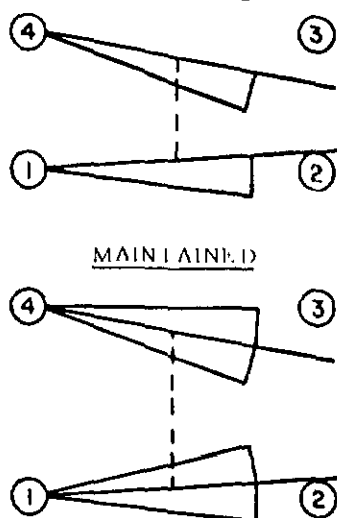
ELECTRONIC DUTY BASIC SWITCH  
10 AMP CONT.

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

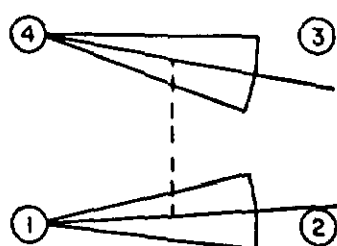
## WIRING BASIC SWITCH (SAME POLARITY MUST BE OBSERVED FOR EACH POLE)

### SINGLE POLE

#### MOMENTARY



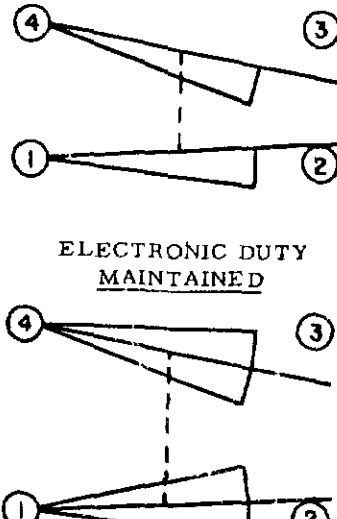
#### MAINTAINED



### SINGLE POLE

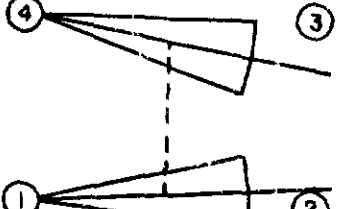
#### ELECTRONIC DUTY

#### MOMENTARY



#### ELECTRONIC DUTY

#### MAINTAINED

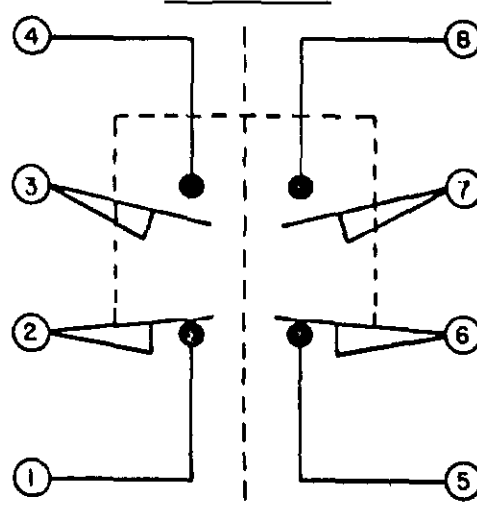


### DIRECT ACTING

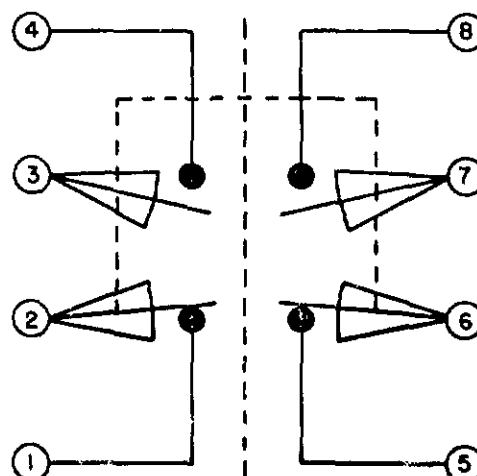


### DOUBLE POLE

#### 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

SCALE NONE  
DO NOT SCALE PRINT

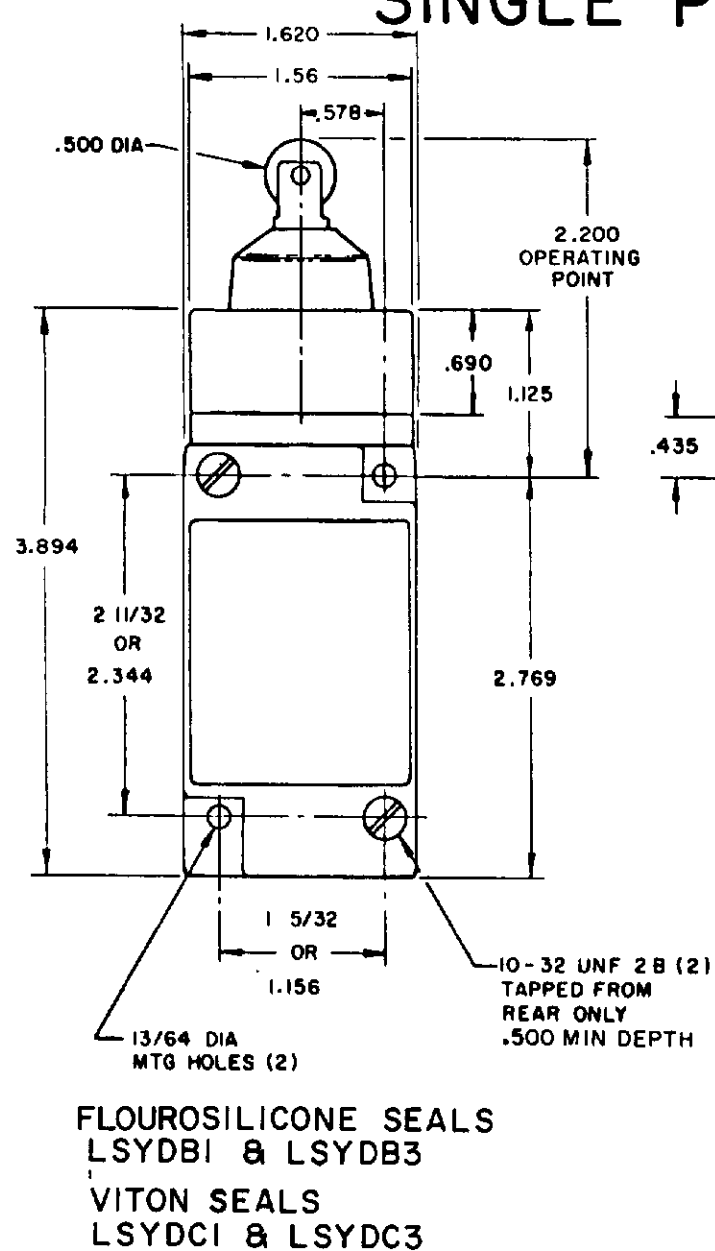
MICRO SWITCH  
FREEPORT, L.I., N.Y. U.S.A.  
A DIVISION OF HONEYWELL  
FID. MFG. CODE 91918

SWITCH - ENCLOSED

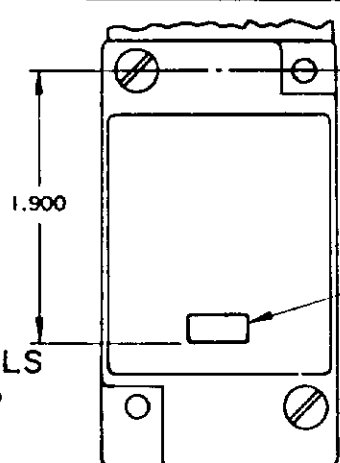
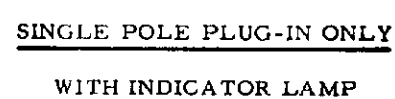
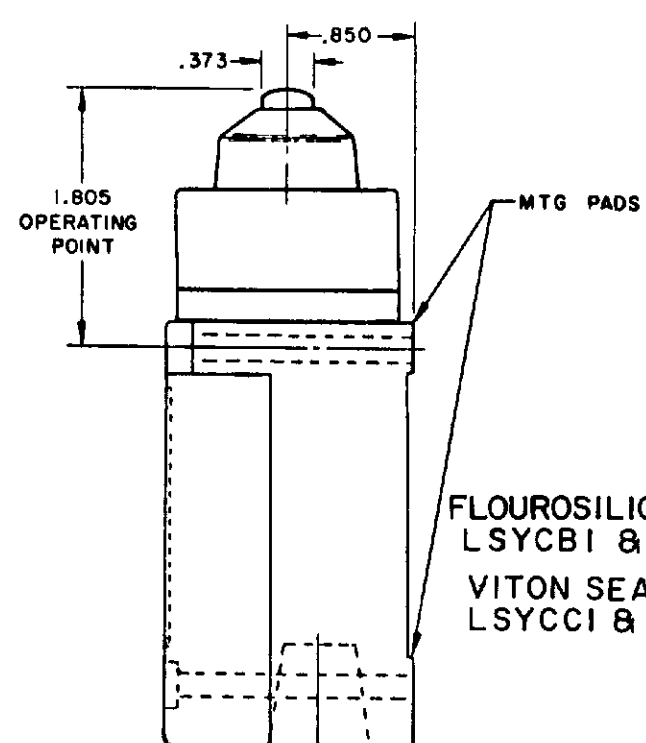
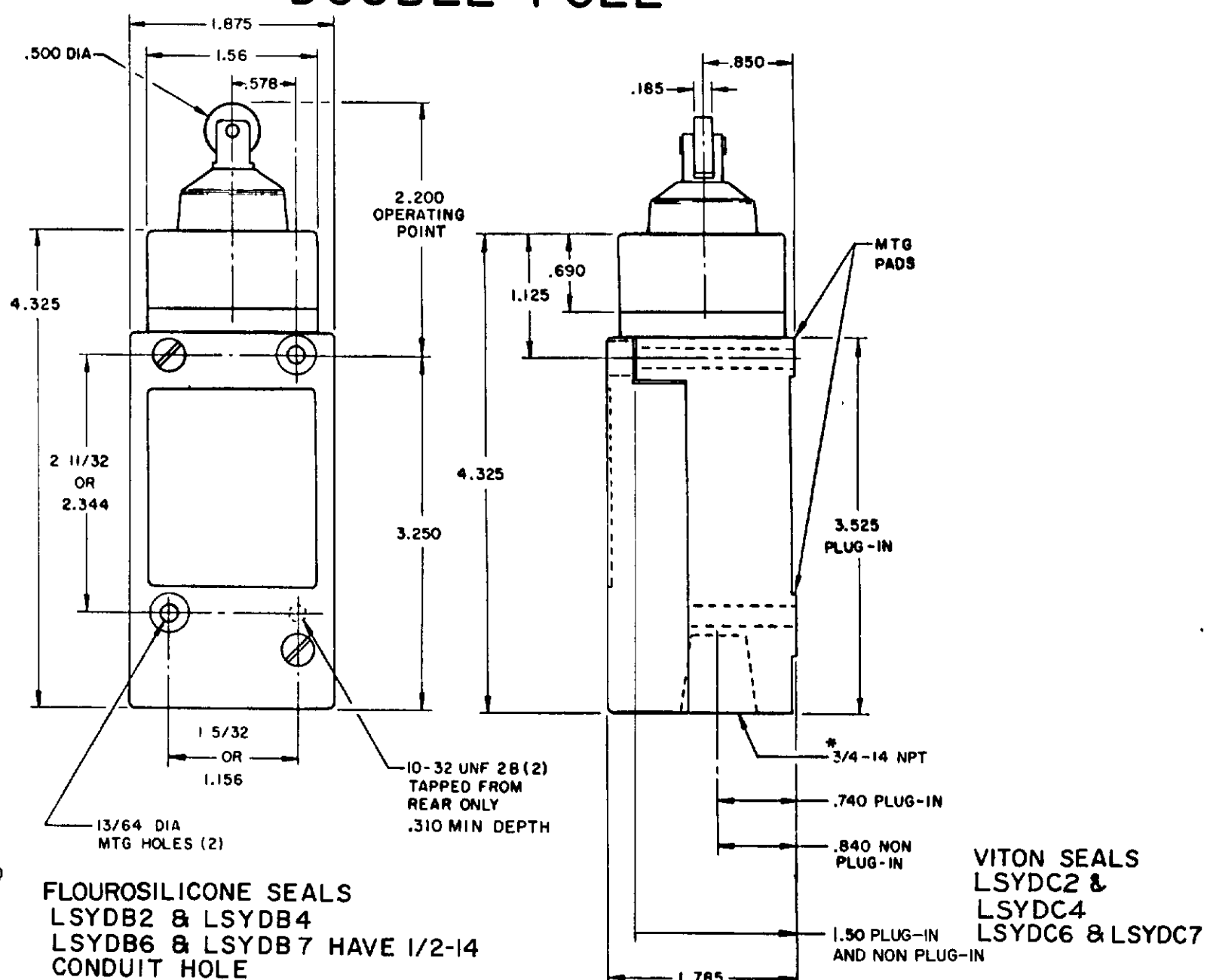
LSY SERIES  
CHART 1

# PLUNGER TYPE TOP

SINGLE POLE



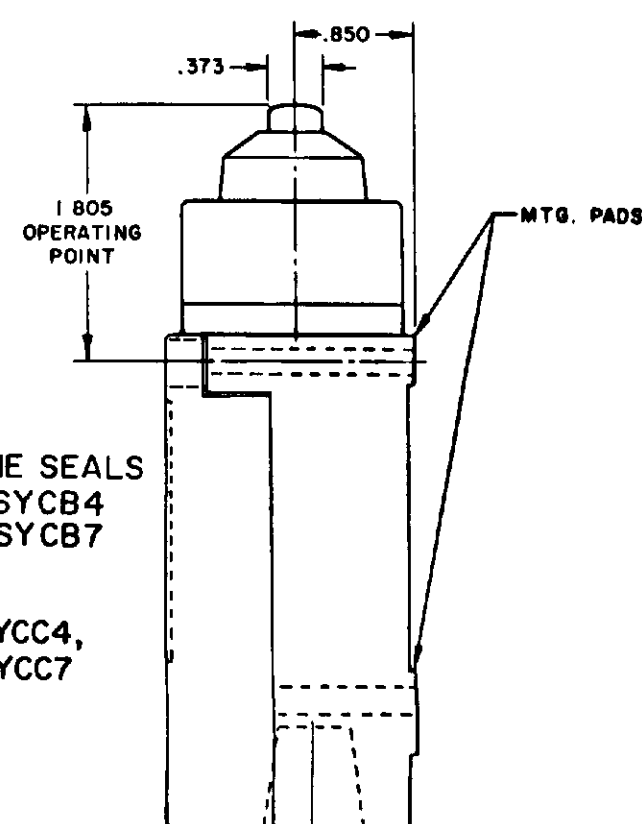
DOUBLE POLE



FLOUROSILICONE SEALS  
LSYCB1 & LSYCB3  
VITON SEALS  
LSYCC1 & LSYCC3

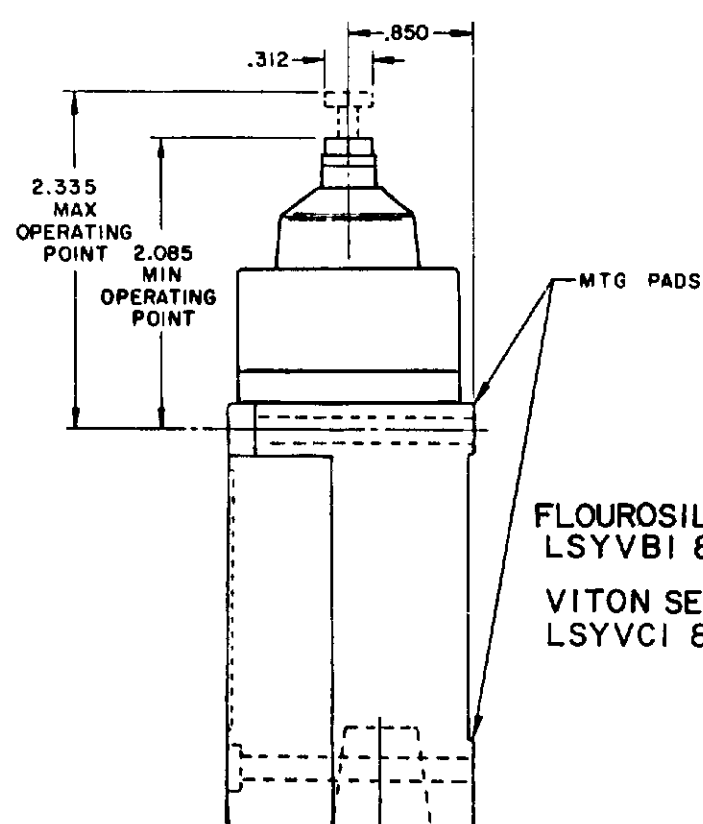
**120 LAMP VOLTAGE -**  
**LSYCB 5, LSYDB5, LSYVB5**  
**LSYCC 5, LSYDC5, LSYVC5**

**240 LAMP VOLTAGE -**  
**LSYCB8, LSYDB8, LSYVB8**  
**LSYCC8, LSYDC8, LSYVC8**



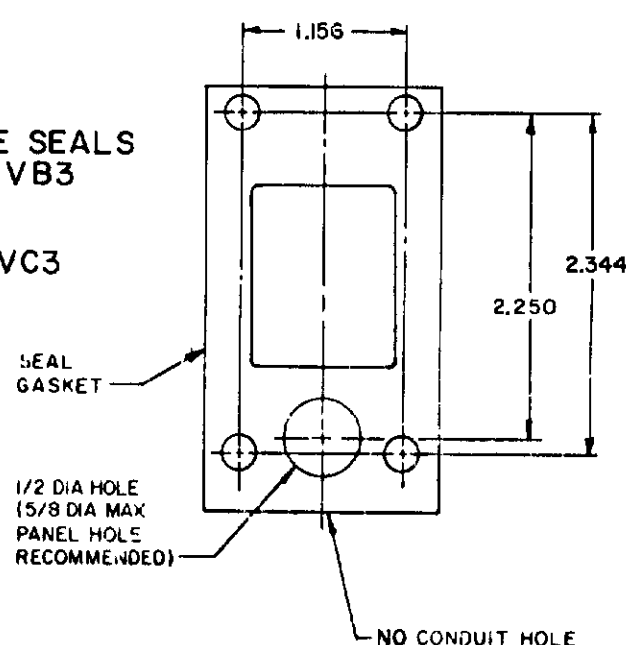
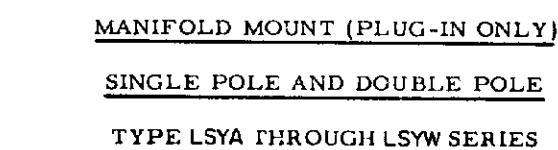
FLOUROSILICONE SEALS  
LSYCB2 & LSYCB4  
LSYCB6 & LSYCB7

VITON SEALS  
LSYCC2 & LSYCC4,  
LSYCC6 & LSYCC7



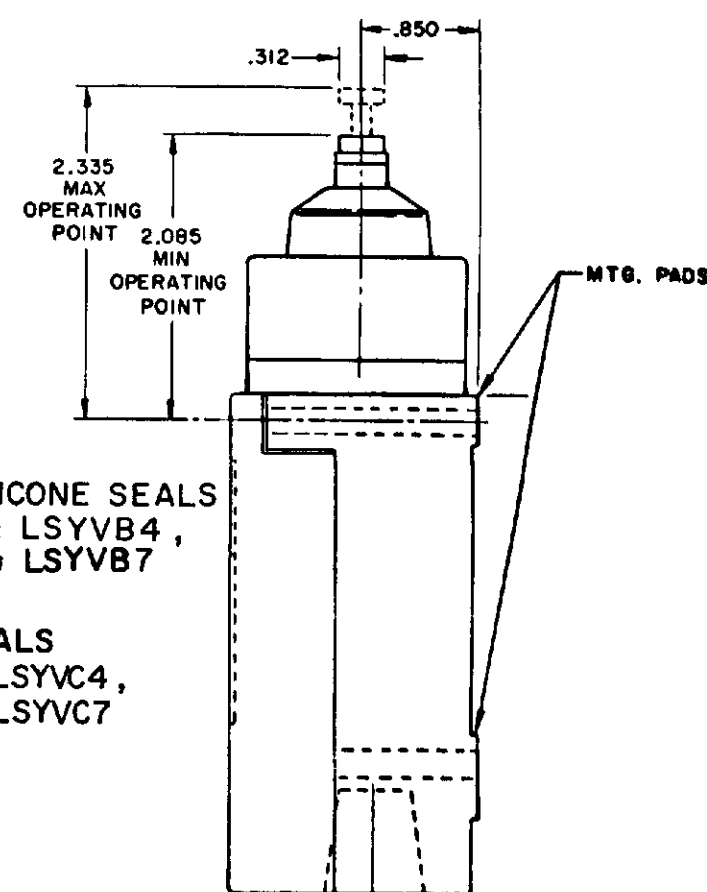
FLOUROSILICONE SEALS  
LSYVBI & LSYVB3

VITON SEALS  
LSYVCI & LSYVC3



**FLOUROSILICONE SEALS**  
LSYVB2 & LSYVB4,  
LSYVB6 & LSYVB7

**VITON SEALS**  
LSYVC2 & LSYVC4,  
LSYVC6 & LSYVC7



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

**MICRO SWITCH**  
FREEMONT, CALIF. 94534 U.S.A.  
A DIVISION OF MONEYSWELL  
FED. MFG. CODE 91020

SWITCH - ENCLOSED

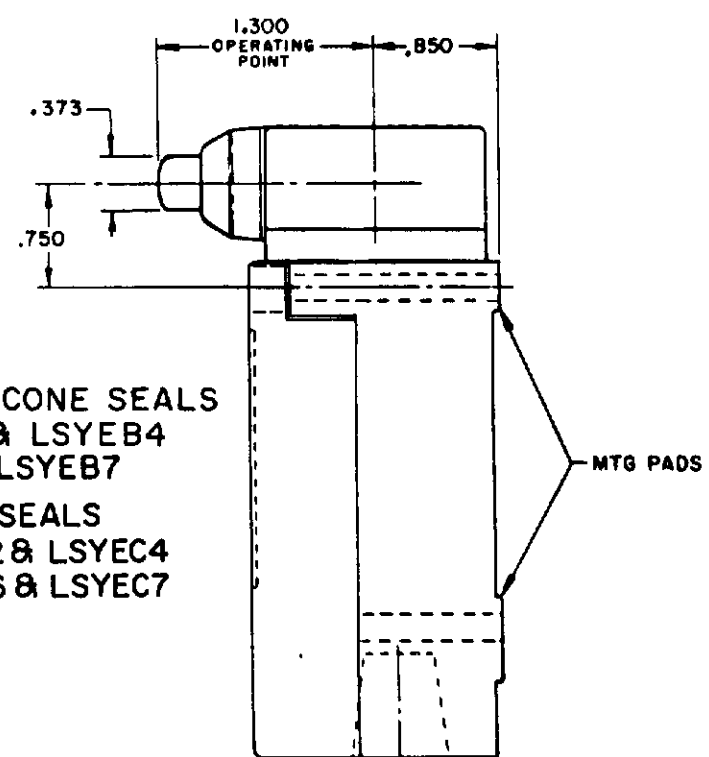
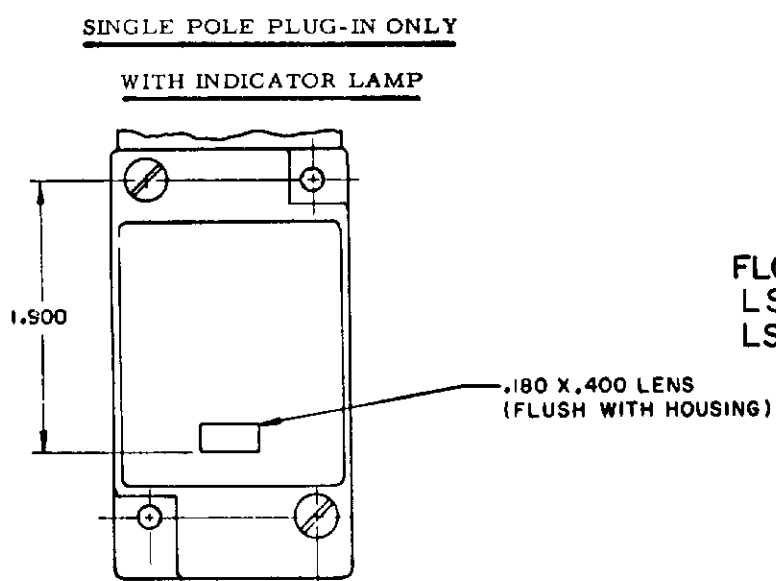
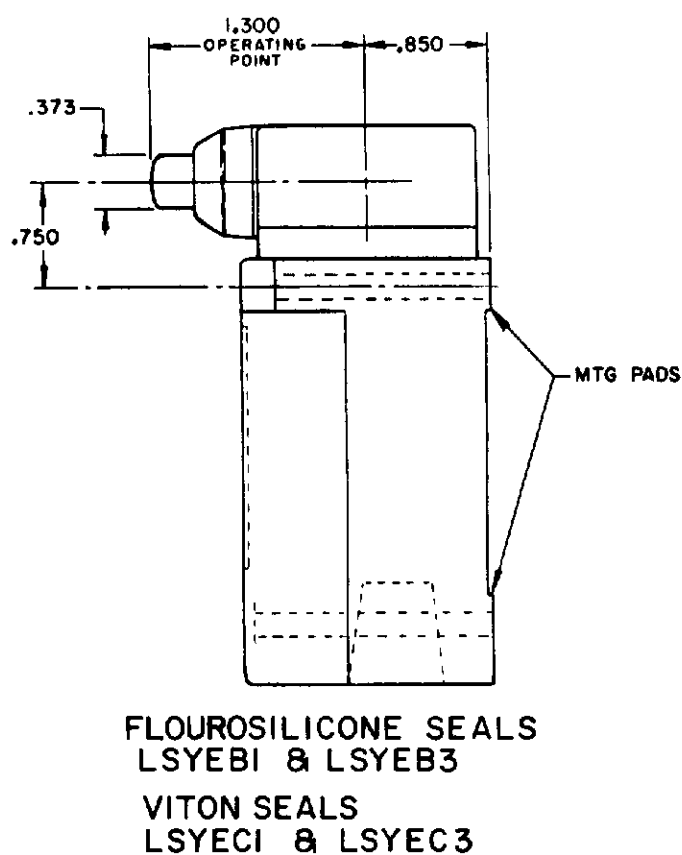
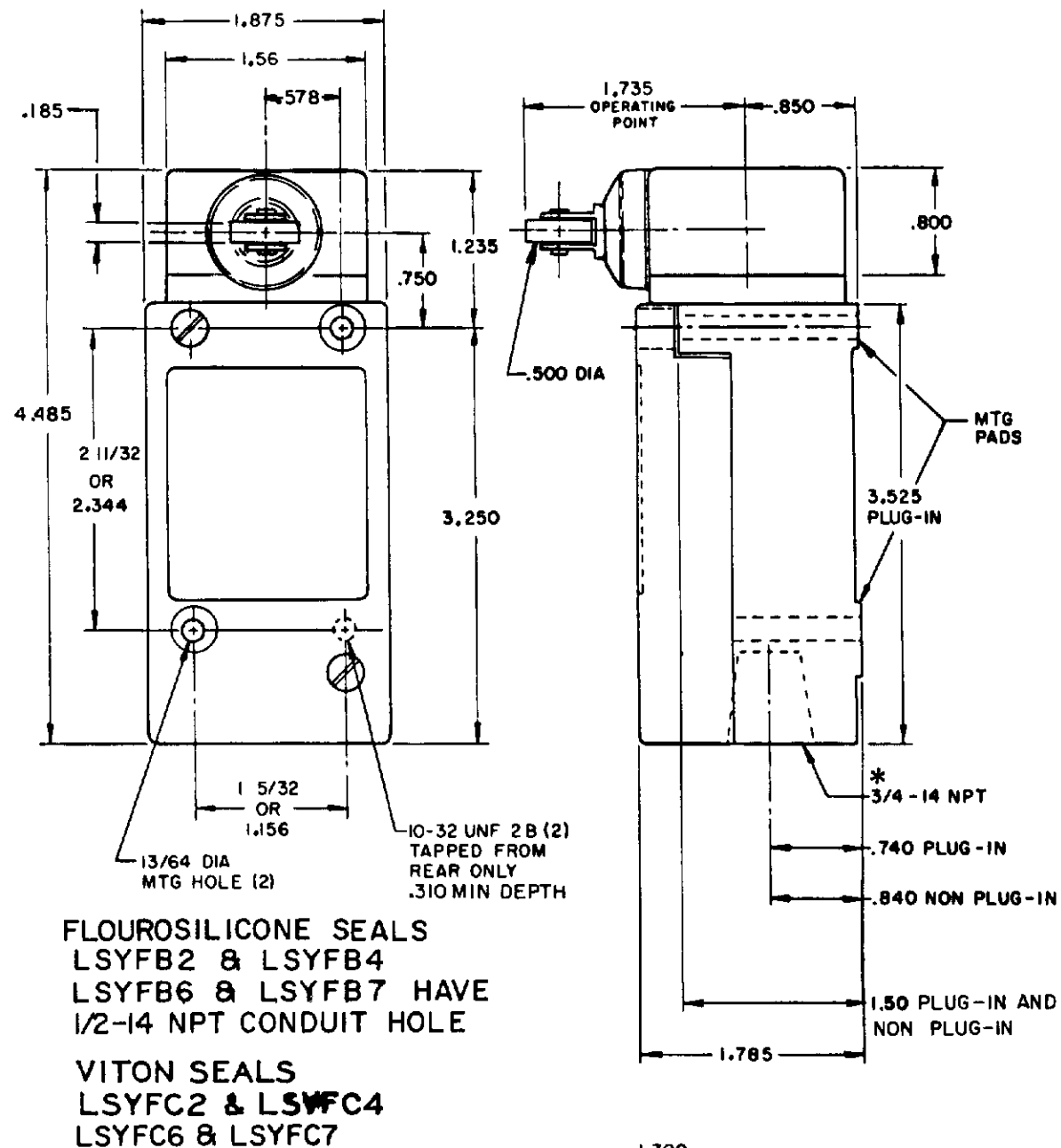
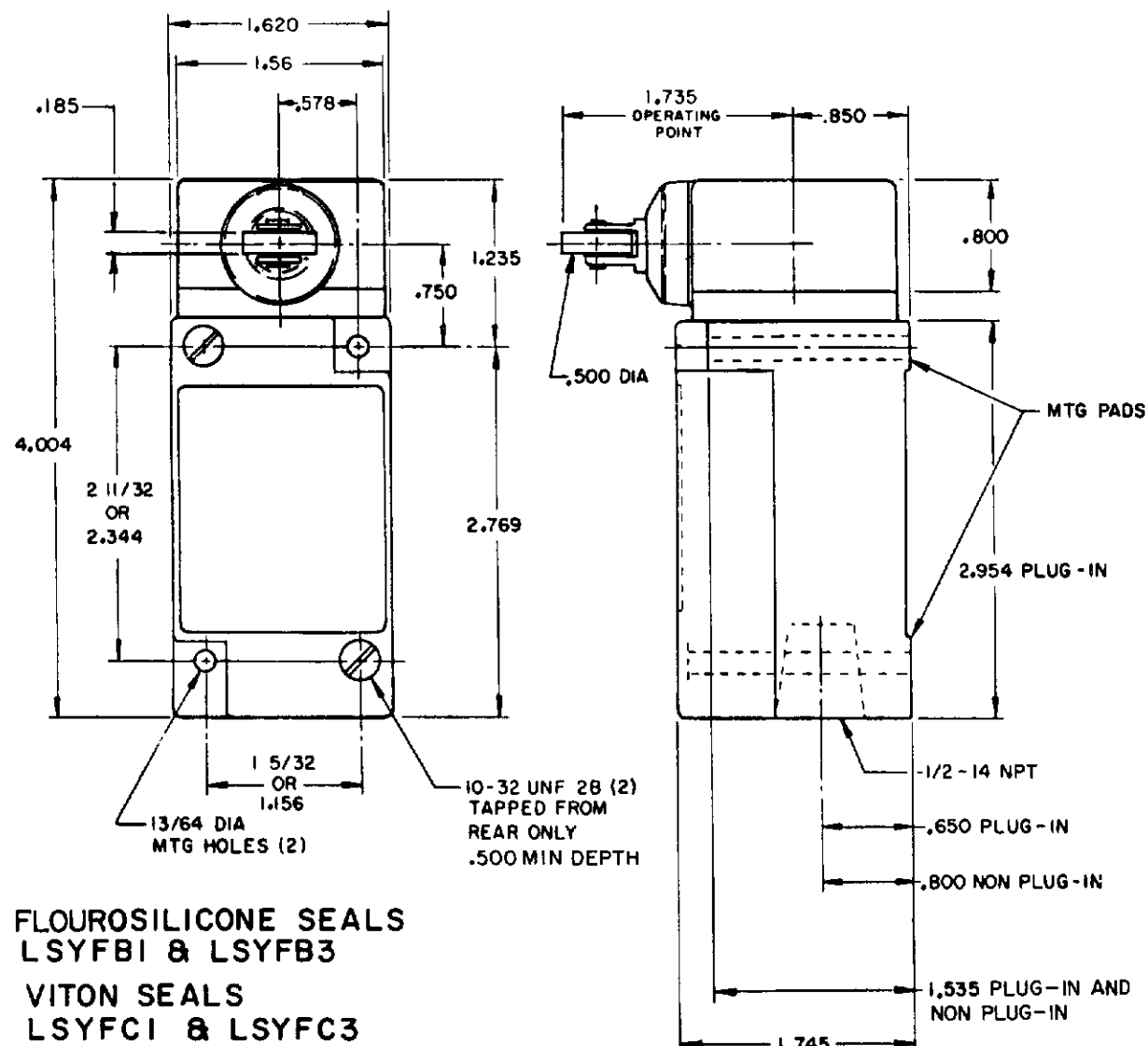
LSY SERIES  
CHART 1

**M** LSY SERIES CHART  
PAGE 4 OF 10

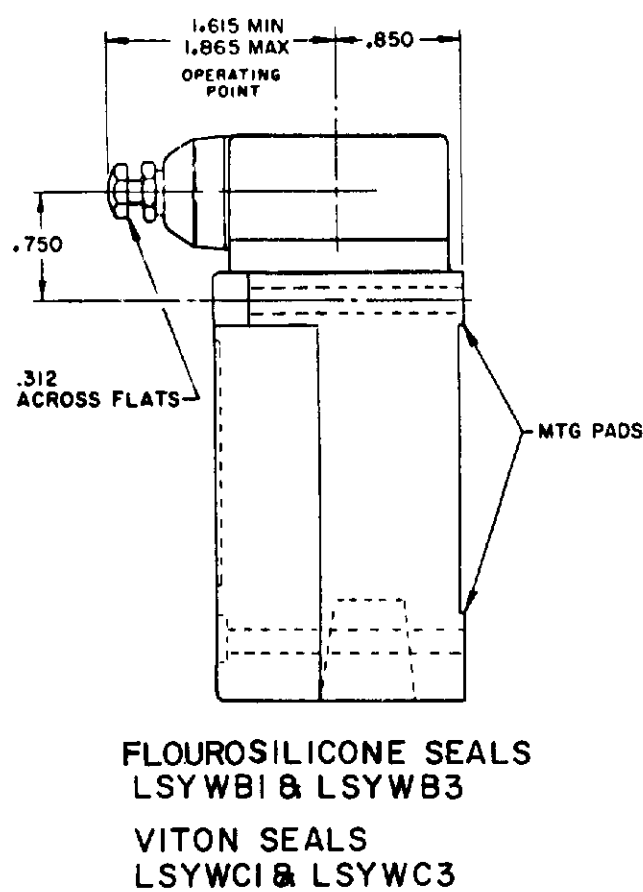
## SIDE PLUNGER TYPE

### SINGLE POLE

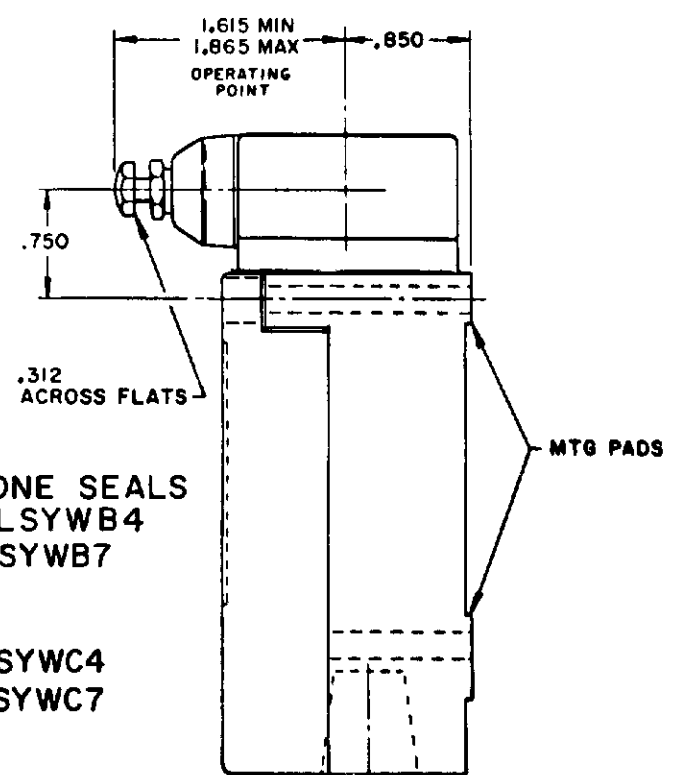
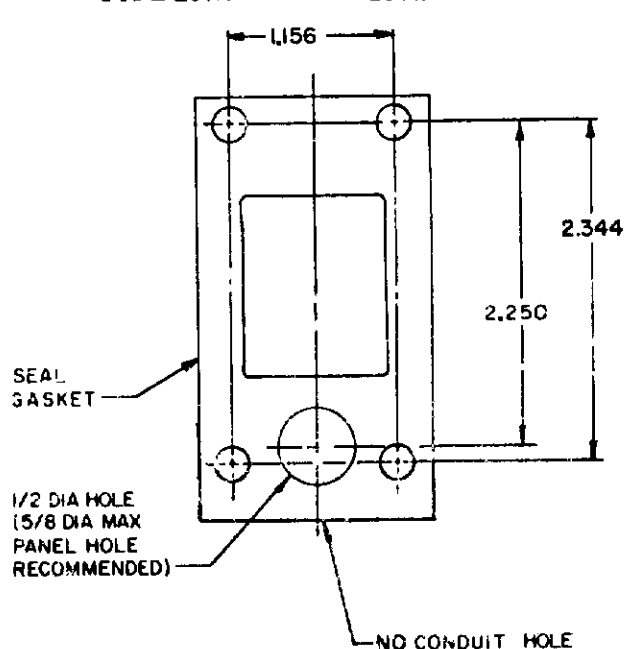
### DOUBLE POLE



**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**



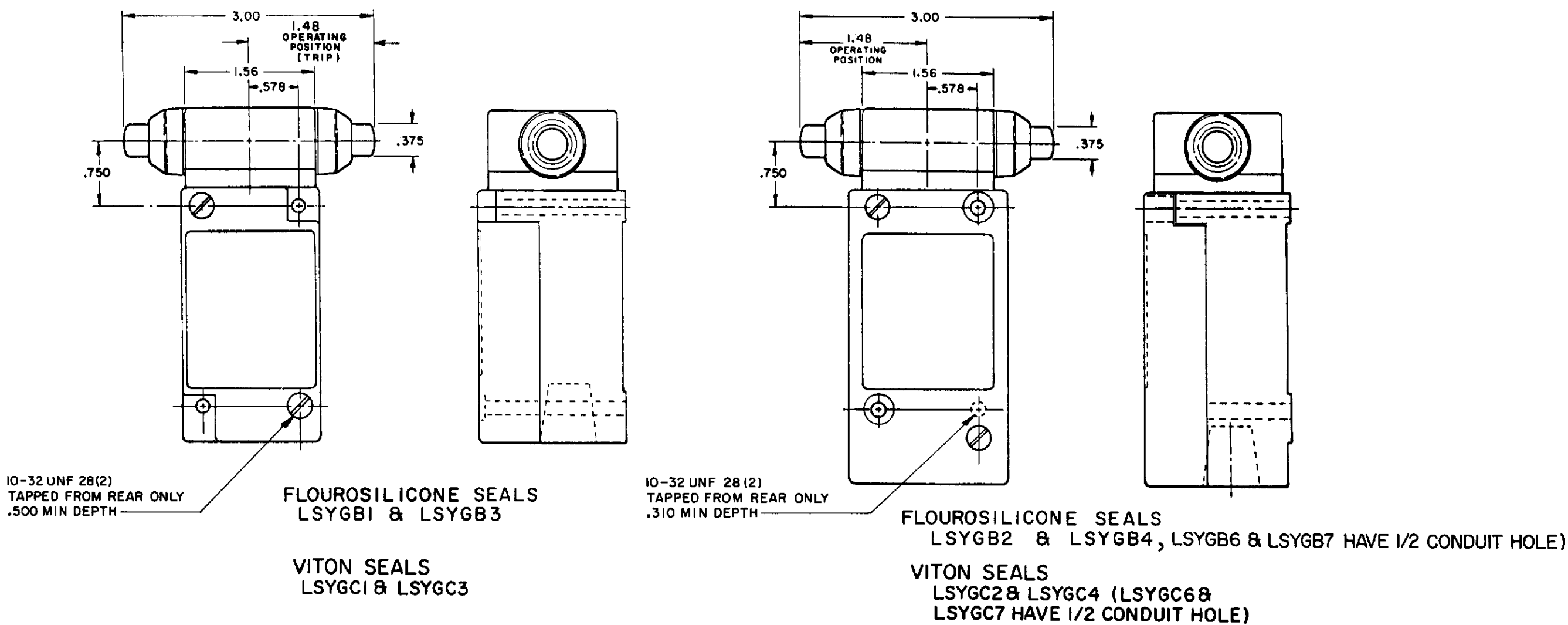
**NOTES:**  
1 - ALL UNITS AVAILABLE WITH  
FLOUROSILICONE AND VITON SEALS

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FED. REG. CO. 9-438

**SWITCH - ENCLOSED**

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

SCALE NONE  
DO NOT SCALE PRINT



INITIAL POSITION (FREE POSITION) }  
OPERATING POINT } PRETRAVEL  
FULL TRAVEL } DIFFERENTIAL TRAVEL  
OVERTRAVEL

OPERATING POINT GIVEN IN RELATION TO TOP MOUNTING HOLE TOP PLUNGER TYPES

| CHARACTERISTICS             | LSYC PLUNGER |             | LSYD ROLLER PLUNGER |             | LSYV ADJ PLUNGER    |             | SEQUENCE BASIC          |            |                       |
|-----------------------------|--------------|-------------|---------------------|-------------|---------------------|-------------|-------------------------|------------|-----------------------|
|                             | SINGLE POLE  | DOUBLE POLE | SINGLE POLE         | DOUBLE POLE | SINGLE POLE         | DOUBLE POLE | LSYC                    | LSYD       | LSYV                  |
| PRETRAVEL (MAX)             | .070         |             | .070                |             | .070                |             | 1ST STEP .070           |            |                       |
| DIFFERENTIAL TRAVEL (MAX)   | .015         | .020        | .015                | .020        | .015                | .020        | 2ND STEP .016 MIN ADD'L |            |                       |
| OVERTRAVEL (MIN)            | .190         |             | .190                |             | .190                |             | .015 EACH STEP          |            |                       |
| 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 |             | 1ST STEP                |            |                       |
| FULL OVERTRAVEL FORCE (MAX) | 7 LBS        |             | 7 LBS               |             | 7 LBS               |             | 1.815±.030              | 2.210±.040 | 2.095 MIN / 2.345 MAX |
|                             |              |             |                     |             |                     |             | 7 LBS                   |            |                       |

OPERATING POINT GIVEN IN RELATION TO CENTER OF HEAD SIDE PLUNGER TYPES

| CHARACTERISTICS             | LSYE PLUNGER |  | LSYF ROLLER PLUNGER |  | LSYW ADJ PLUNGER    |  | LSYG PLUNGER MAINTAINED |  | SEQUENCE BASIC          |            |                       |
|-----------------------------|--------------|--|---------------------|--|---------------------|--|-------------------------|--|-------------------------|------------|-----------------------|
|                             |              |  |                     |  |                     |  |                         |  | LSYE                    | LSYF       | LSYW                  |
| PRETRAVEL (MAX)             | .100         |  | .100                |  | .100                |  | .170                    |  | 1ST STEP .100           |            |                       |
| 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        |  | 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 |
|                             |              |  |                     |  |                     |  |                         |  | 6 LBS                   |            |                       |

MICRO SWITCH  
FREEPORT ILLINOIS U.S.A.  
A DIVISION OF HONEYWELL  
FED. REG. CODE 51329

SWITCH - ENCLOSED

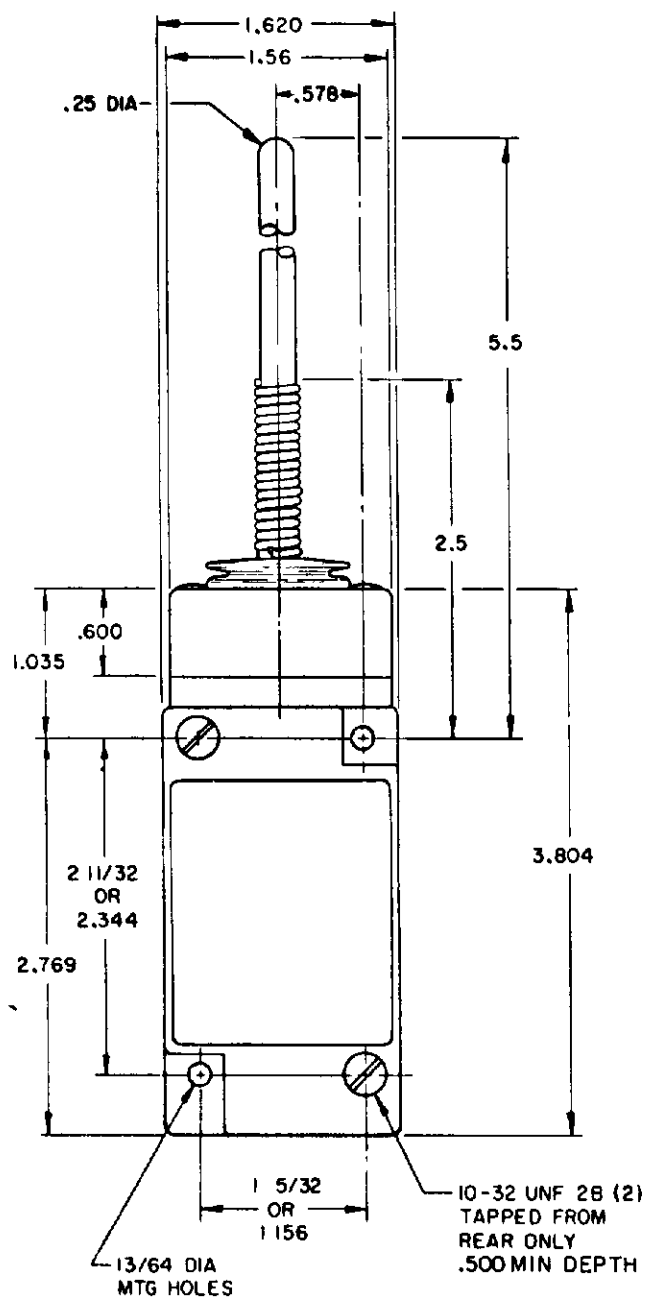
LSY SERIES  
CHART 1

THIRD ANGLE PROJECTION  
SCALE NONE  
DO NOT SCALE PRINT  
TOLERANCES  
UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE TO BE MET BEFORE  
PROTECTIVE COATING ARE APPLIED  
DESIGN UNITS  
INCHES  
MILLIMETERS  
FRACTIONS  
DECIMALS  
ANGLES  
DEGREES  
MINUTES  
SECONDS  
WEIGHT

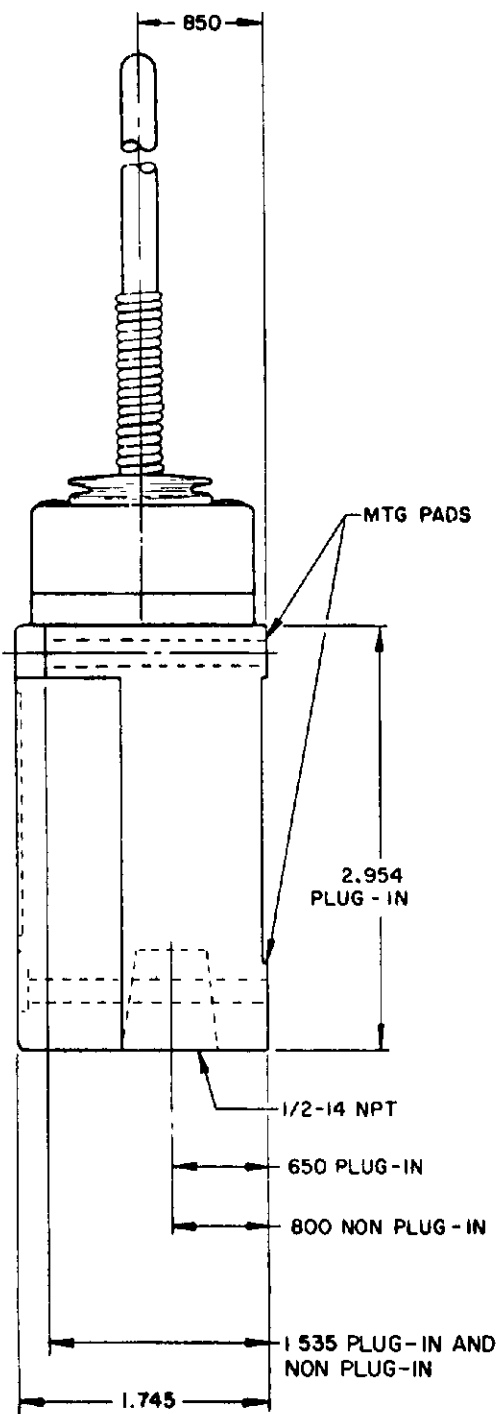
# WOBBLE STICK

## SINGLE POLE

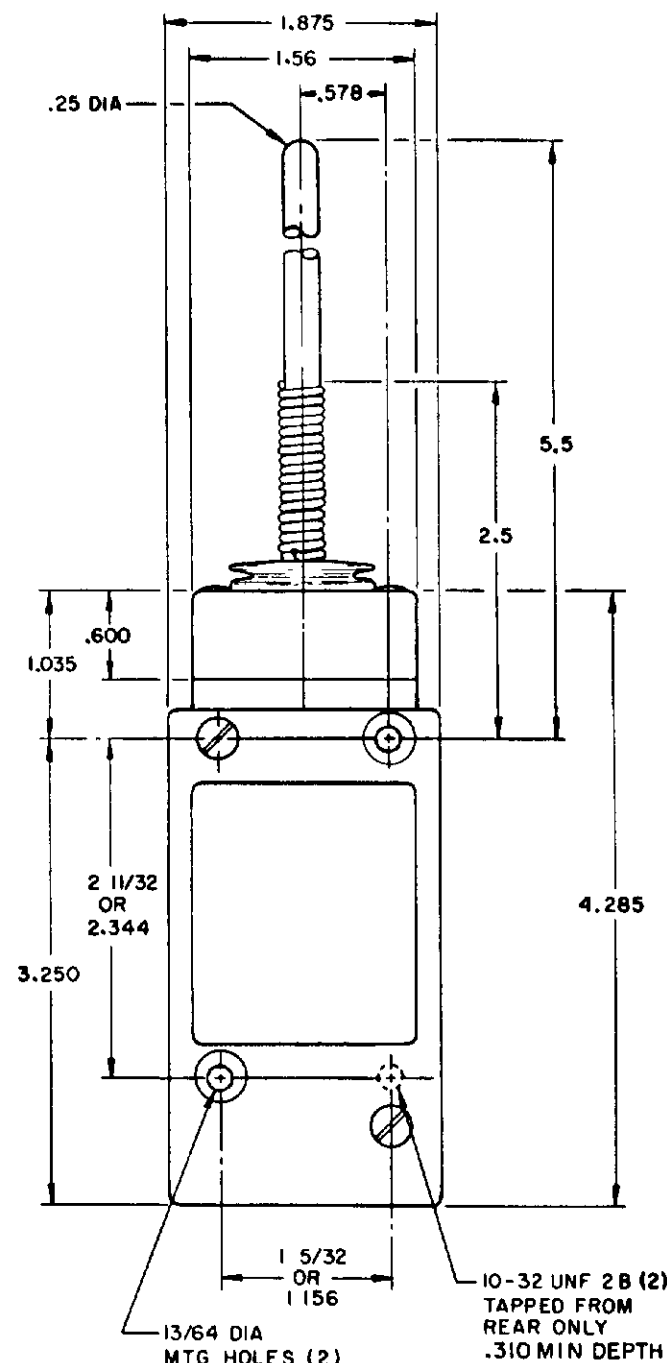
## DOUBLE POLE



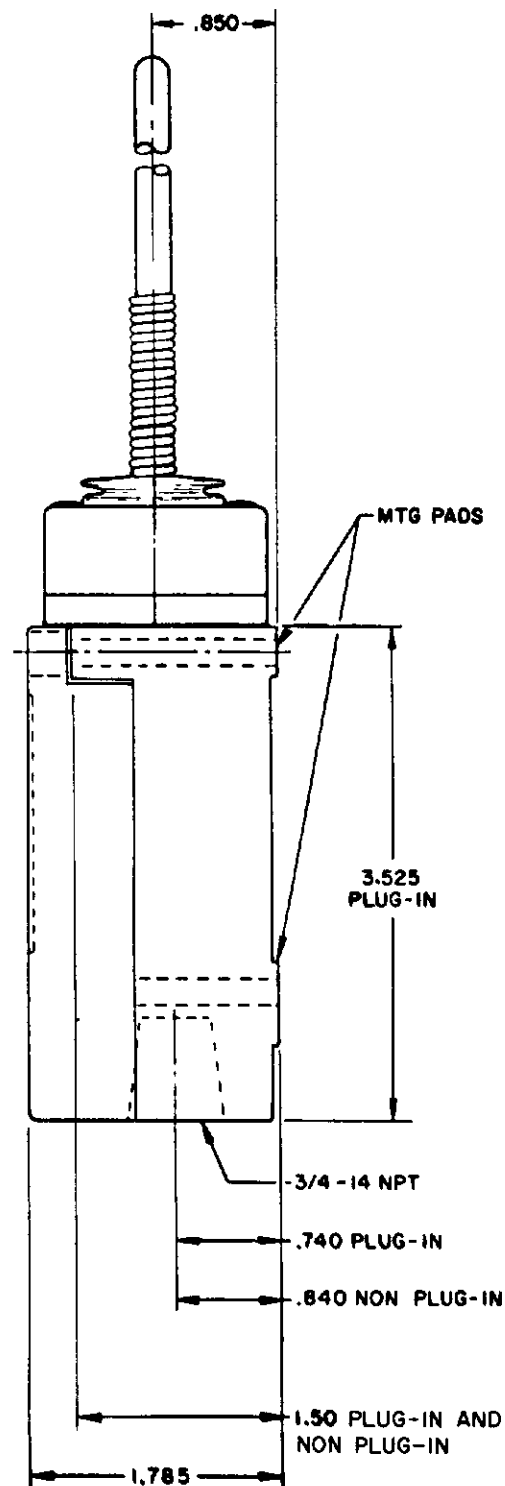
**PLASTIC EXTENSION  
TYPE 7A ACTUATOR**



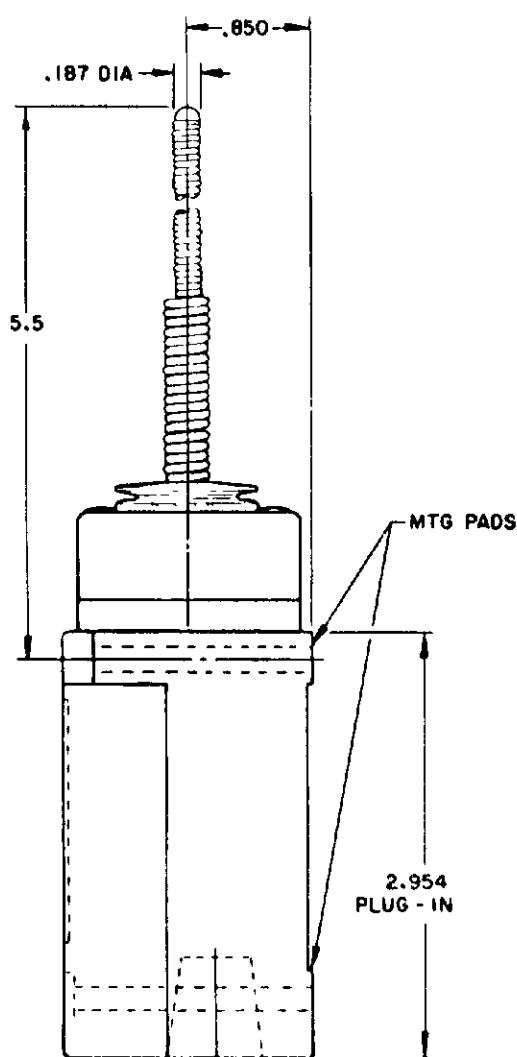
**REPLACEMENT ACTUATOR  
LSZ 4009**



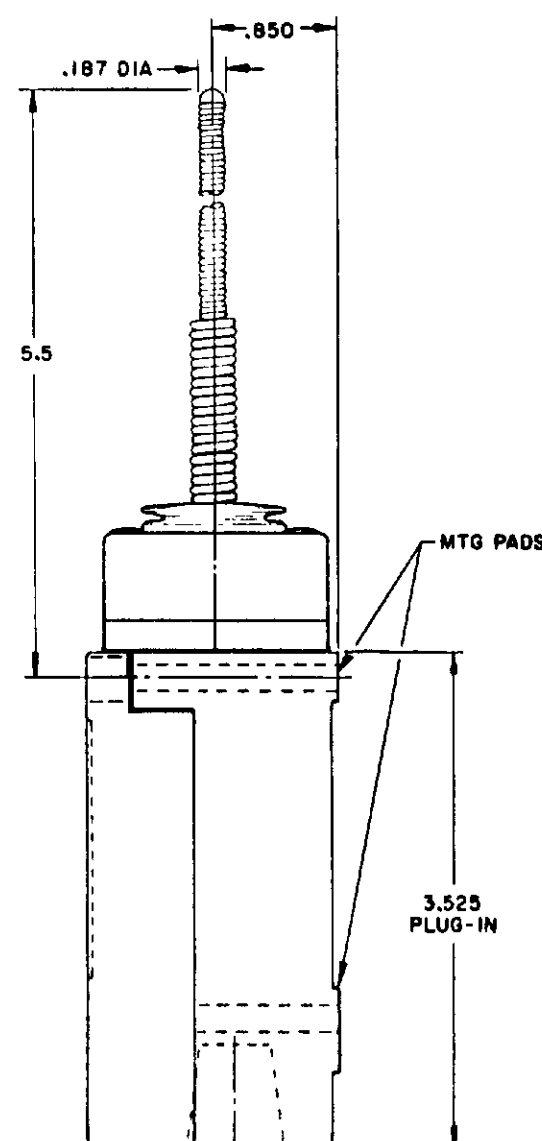
**PLASTIC EXTENSION  
TYPE 7A ACTUATOR**



**REPLACEMENT ACTUATOR  
LSZ 4011**

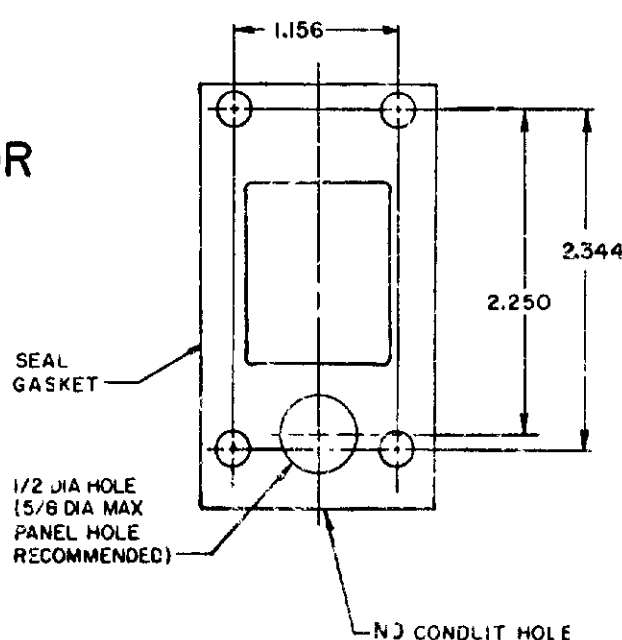


**CABLE EXTENSION  
TYPE 7N ACTUATOR**



**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**

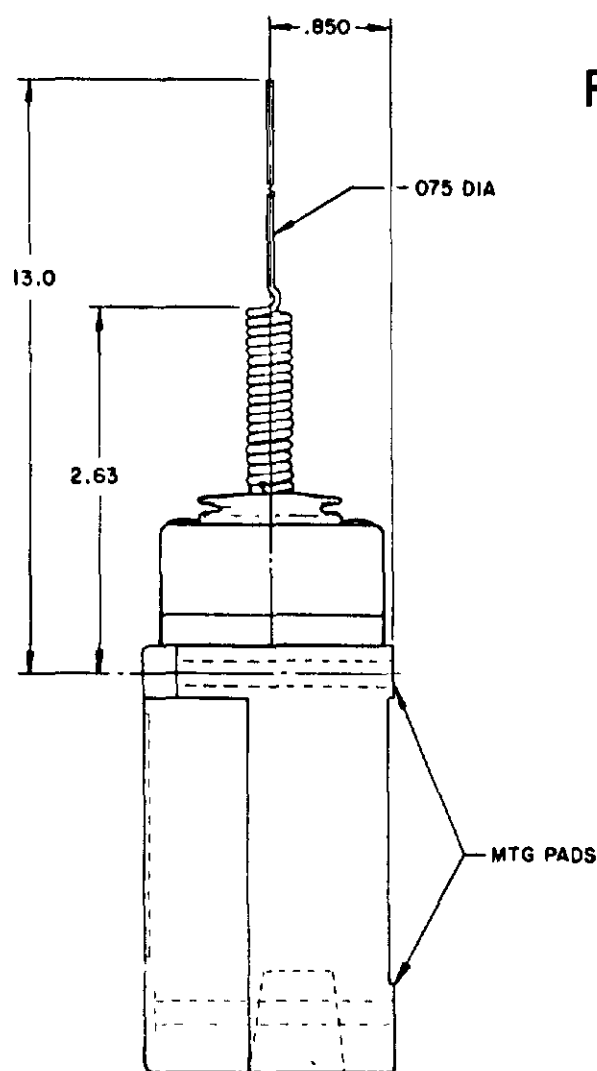
**CHART 1**

**LSY SERIES**

SCALE NONE  
DO NOT SCALE PRINT

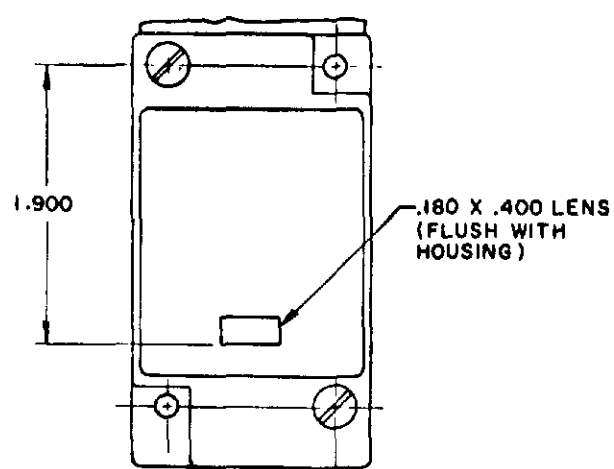
|           |       |     |           |       |    |         |       |     |         |            |          |          |            |
|-----------|-------|-----|-----------|-------|----|---------|-------|-----|---------|------------|----------|----------|------------|
| 24 AUG 94 | CHECK | SAF | 12 SEP 74 | CHECK | AK | 19APR05 | CHECK | PSR | 10JUL07 | RELEASE NO | CO-78499 | REPLACES | LSY SERIES |
|-----------|-------|-----|-----------|-------|----|---------|-------|-----|---------|------------|----------|----------|------------|

|       |                    |
|-------|--------------------|
| ISSUE | CATALOG LISTING    |
| 7     | LSY SERIES CHART 1 |
| PAGE  | 8 OF 10            |

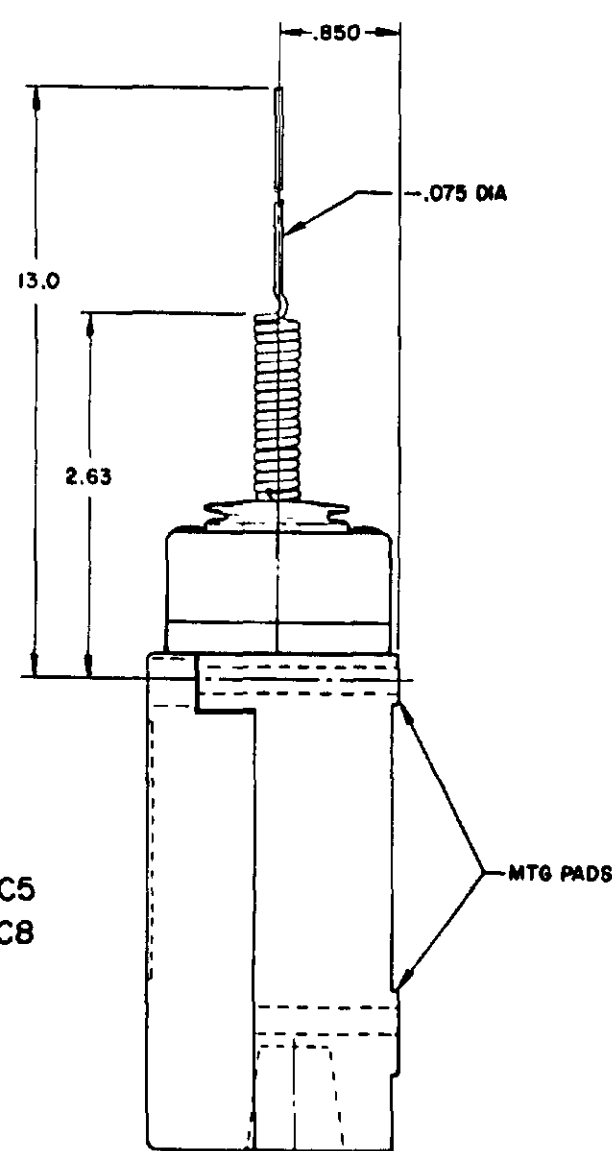


### REPLACEMENT ACTUATOR LSZ4010

SINGLE POLE PLUG-IN ONLY  
WITH INDICATOR LAMP



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



### WIRE EXTENSION TYPE 7M ACTUATOR

FLOUROSILICONE SEALS  
LSYJB1 & LSYJB3

VITON SEALS  
LSYJC1 & LSYJC3

### WIRE EXTENSION TYPE 7M ACTUATOR

FLOUROSILICONE SEALS  
LSYJB2 & LSYJB4

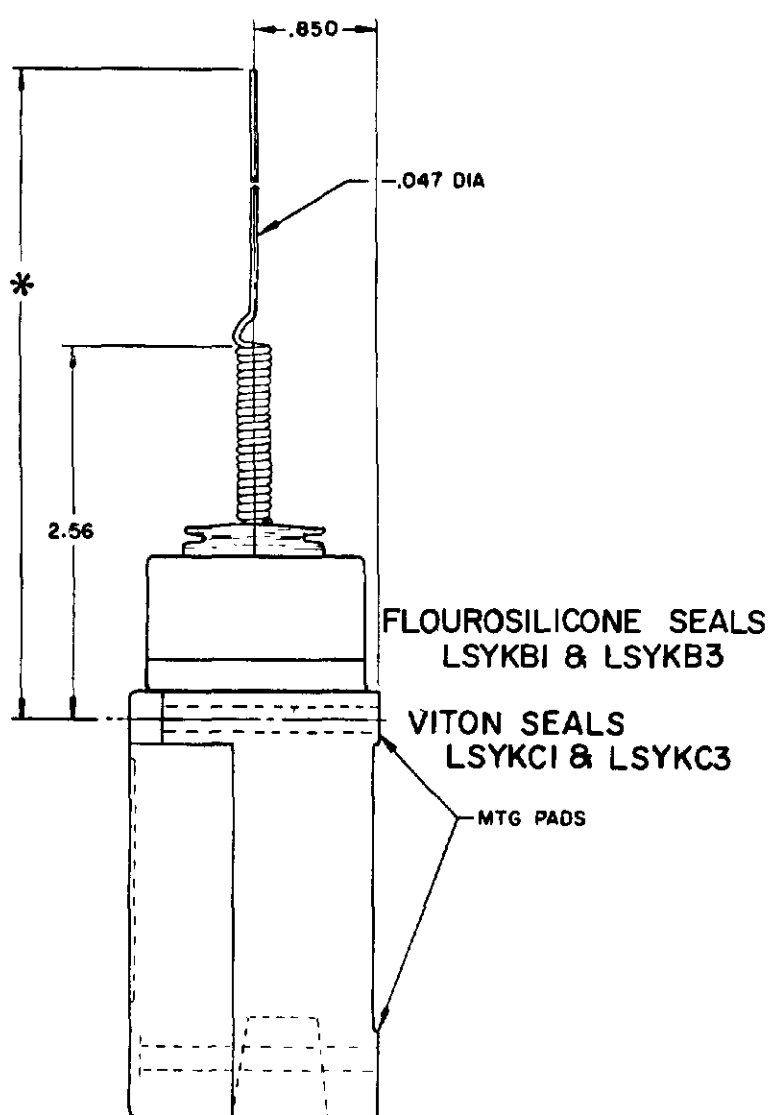
LSYJB6 & LSYJB7 HAVE 1/2-14 NPT CONDUIT HOLE

VITON SEALS LSYJC2 & LSYJC4  
LSYJC6 & LSYJC7 HAVE 1/2-14 NPT CONDUIT HOLE

### REPLACEMENT ACTUATOR LSZ 4010

## CAT WHISKER

### SINGLE POLE



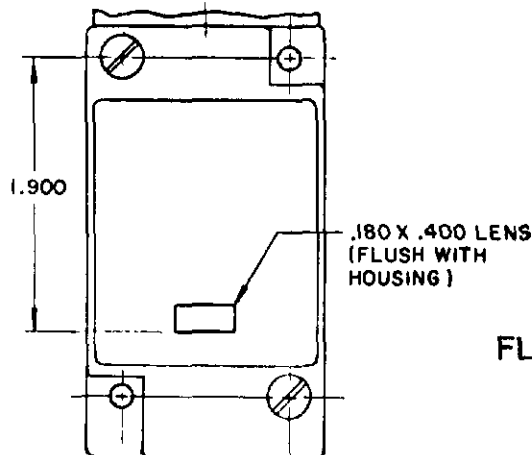
FLOUROSILICONE SEALS  
LSYKB1 & LSYKB3

VITON SEALS  
LSYKC1 & LSYKC3

### WIRE EXTENSION

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

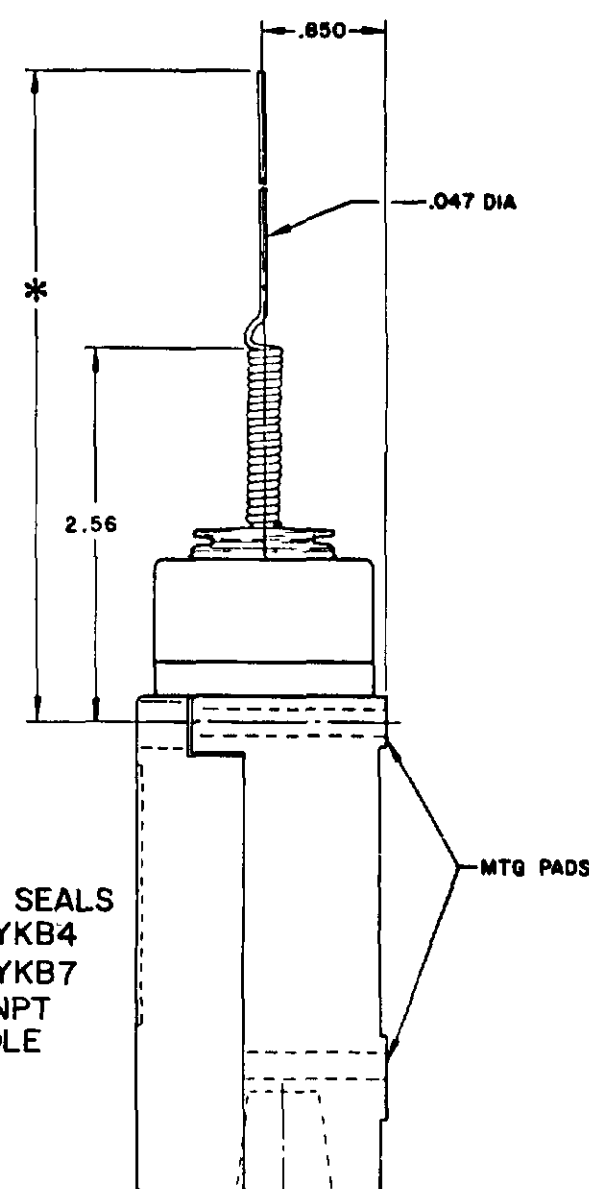
SINGLE POLE PLUG-IN ONLY  
WITH INDICATOR LAMP



FLOUROSILICONE SEALS  
120 LAMP VOLTAGE  
LSYKB5 CAT WHISKER LSYBB5 TOP ROTARY  
240 LAMP VOLTAGE  
LSYKB8 CAT WHISKER LSYBB8 TOP RATARY

VITON SEALS  
120 LAMP VOLTAGE  
LSYKC5 CAT WHISKER LSYBC5 TOP ROTARY  
240 LAMP VOLTAGE  
LSYKC8 CAT WHISKER LSYBC8 TOP ROTARY

### DOUBLE POLE



FLOUROSILICONE SEALS  
LSYKB2 & LSYKB4  
LSYKB6 & LSYKB7  
HAVE 1/2-14 NPT  
CONDUIT HOLE

### 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

MICRO SWITCH  
FREEDPORT ILLINOIS U.S.A.  
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SWITCH-ENCLOSED

CHART 1

LSY SERIES

SCALE NONE  
DO NOT SCALE PRINT

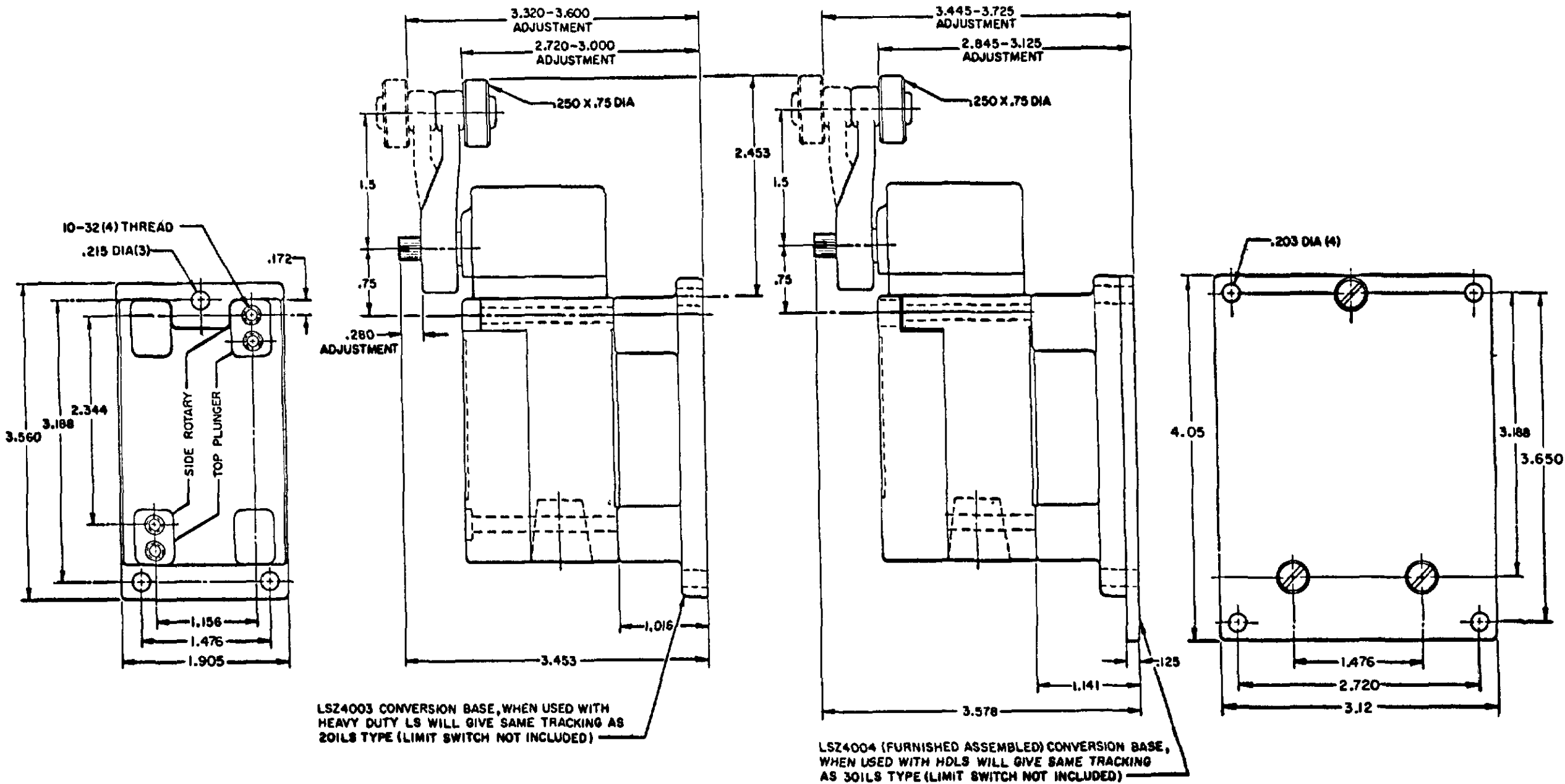
|                               | CAT WHISKER |             |             | WOBBLE STICK |       |      |
|-------------------------------|-------------|-------------|-------------|--------------|-------|------|
|                               | 5 1/2" COIL | 5 1/2" WIRE | 7 1/2" WIRE | ROD          | 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  |

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

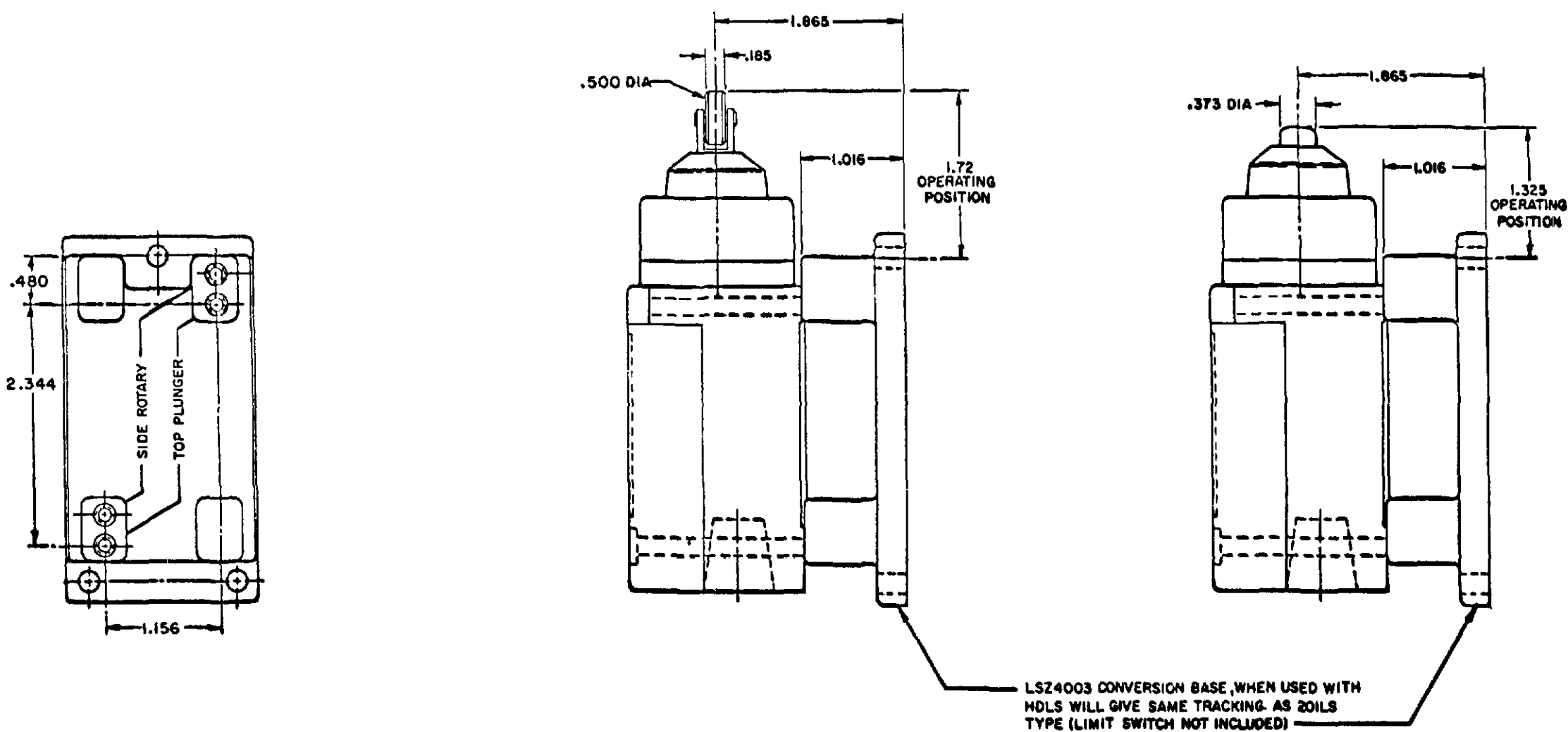
CONVERSION BASES

SINGLE POLE  
(SIDE ROTARY)  
LSZ 4003

DOUBLE POLE  
(SIDE ROTARY)  
LSZ4004



SINGLE POLE  
TOP PLUNGER  
LSZ4003



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**SWITCH - ENCLOSED**

LSY SERIES  
CHART 1

SCALE FULL  
DO NOT SCALE PRINT

TEMPERATURE LIMITATIONS FOR  
DEVICES WITH FLUORSILICONE (LSYAB\*\*) AND VITON (LSYAC\*\*) SEALS

[illegible]

CODE: 1 SATISFACTORY 2 FAIR 3 DOUBTFUL 4 UNSATISFACTORY

- 1 FLUORSILICONE SEAL (LSYAB\*\*) FOR LOW TEMPERATURE APPLICATIONS
- 2 VITON SEALS (LSYAC\*\*) FOR FIRE-RESISTANT FLUIDS
- 3 ALL EXCEPT A60

|       | LOW<br>LIMIT | HIGH<br>LIMIT |
|-------|--------------|---------------|
| LSYAB | -40°F        | +250°F        |
| LSYAC | +10°F        | +250°F        |
| LSYBB | -20°F        | +250°F        |
| LSYBC | +30°F        | +250°F        |
| LSYCB | -40°F        | +200°F        |
| LSYCC | +10°F        | +250°F        |
| LSYDB | -40°F        | +200°F        |
| LSYDC | +10°F        | +250°F        |
| LSYEB | - 40°F       | +200°F        |
| LSYEC | +10°F        | +250°F        |
| LSYFB | - 40°F       | +200°F        |
| LSYFC | +10°F        | +250°F        |
| LSYGB | -20°F        | +200°F        |
| LSYGC | +30°F        | +250°F        |
| LSYHB | -20°F        | +250°F        |
| LSYHC | +30°F        | +250°F        |
| LSYJB | -40°F        | +250°F        |
| LSYJC | +30°F        | +250°F        |
| LSYKB | -20°F        | +250°F        |
| LSYKC | +30°F        | +250°F        |
| LSYLB | -40°F        | +250°F        |
| LSYLC | +10°F        | +250°F        |
| LSYMB | -40°F        | +250°F        |
| LSYMC | +10°F        | +250°F        |
| LSYNB | -20°F        | +250°F        |
| LSYNC | +30°F        | +250°F        |
| LSYPB | -40°F        | +250°F        |
| LSYPC | +10°F        | +250°F        |
| LSYRB | -20°F        | +250°F        |
| LSYRC | +30°F        | +250°F        |
| LSYVB | -40°F        | +200°F        |
| LSYVC | +10°F        | +250°F        |
| LSYWB | - 40°F       | +200°F        |
| LSYWC | +10°F        | +250°F        |

SCALE

DO NOT SCALE PRINT

USE THE FOLLOWING  
RATES

INTEREST RATES ARE IN PERCENT

TOLERANCES ARE

|             |        |       |
|-------------|--------|-------|
| ONE PLACE   | 1.00   | 1.500 |
| TWO PLACE   | 1.000  | 2.000 |
| THREE PLACE | 1.0000 | 2.000 |
| THREE       | 1      |       |

WILLIAM

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FED MFG CODE 91929

SWITCH - ENCLOSED

CATALOG LISTING  
LSY SERIES  
CHART 1

|                 |  |          |  |                    |  |               |  |                     |  |                     |  |
|-----------------|--|----------|--|--------------------|--|---------------|--|---------------------|--|---------------------|--|
| CATALOG LISTING |  | <b>M</b> |  | LSY SERIES CHART 1 |  | PAGE 10 OF 10 |  | RELEASE NO CO-78499 |  | REPLACES LSY SERIES |  |
| ISSUE           |  | 7        |  |                    |  |               |  | PSR                 |  | 10JUL07             |  |
| REVISONS        |  | A        |  | CSL 10 JAN 00      |  | B             |  | CSL 21 JUL 00       |  | C                   |  |
|                 |  | B        |  | 2007004            |  | C             |  | 200853              |  | D                   |  |
|                 |  | C        |  | CSL 21 JUL 00      |  | D             |  | 200853              |  | E                   |  |
|                 |  | D        |  | 23 JUN 00          |  | E             |  | 23 JAN 01           |  | F                   |  |
|                 |  | E        |  | 0012601            |  | F             |  | 0031956             |  | G                   |  |
|                 |  | F        |  | 19APR05            |  | G             |  | BS 10JUL07          |  | H                   |  |
|                 |  | G        |  |                    |  | H             |  |                     |  | I                   |  |
|                 |  | H        |  |                    |  | I             |  |                     |  | J                   |  |
|                 |  | I        |  |                    |  | J             |  |                     |  | K                   |  |
|                 |  | J        |  |                    |  | K             |  |                     |  | L                   |  |
|                 |  | K        |  |                    |  | L             |  |                     |  | M                   |  |
|                 |  | L        |  |                    |  | M             |  |                     |  | N                   |  |
|                 |  | M        |  |                    |  | N             |  |                     |  | O                   |  |
|                 |  | N        |  |                    |  | O             |  |                     |  | P                   |  |
|                 |  | O        |  |                    |  | P             |  |                     |  | Q                   |  |
|                 |  | P        |  |                    |  | Q             |  |                     |  | R                   |  |
|                 |  | Q        |  |                    |  | R             |  |                     |  | S                   |  |
|                 |  | R        |  |                    |  | S             |  |                     |  | T                   |  |
|                 |  | S        |  |                    |  | T             |  |                     |  | U                   |  |
|                 |  | T        |  |                    |  | U             |  |                     |  | V                   |  |
|                 |  | U        |  |                    |  | V             |  |                     |  | W                   |  |
|                 |  | V        |  |                    |  | W             |  |                     |  | X                   |  |
|                 |  | W        |  |                    |  | X             |  |                     |  | Y                   |  |
|                 |  | X        |  |                    |  | Y             |  |                     |  | Z                   |  |
|                 |  | Y        |  |                    |  | Z             |  |                     |  | AA                  |  |
|                 |  | Z        |  |                    |  | AA            |  |                     |  | AB                  |  |
|                 |  | AA       |  |                    |  | AB            |  |                     |  | AC                  |  |
|                 |  | AB       |  |                    |  | AC            |  |                     |  | AD                  |  |
|                 |  | AC       |  |                    |  | AD            |  |                     |  | AE                  |  |
|                 |  | AD       |  |                    |  | AE            |  |                     |  | AF                  |  |
|                 |  | AE       |  |                    |  | AF            |  |                     |  | AG                  |  |
|                 |  | AF       |  |                    |  | AG            |  |                     |  | AH                  |  |
|                 |  | AG       |  |                    |  | AH            |  |                     |  | AI                  |  |
|                 |  | AH       |  |                    |  | AI            |  |                     |  | AJ                  |  |
|                 |  | AI       |  |                    |  | AJ            |  |                     |  | AK                  |  |
|                 |  | AJ       |  |                    |  | AK            |  |                     |  | AL                  |  |
|                 |  | AK       |  |                    |  | AL            |  |                     |  | AM                  |  |
|                 |  | AL       |  |                    |  | AM            |  |                     |  | AN                  |  |
|                 |  | AM       |  |                    |  | AN            |  |                     |  | AO                  |  |
|                 |  | AN       |  |                    |  | AO            |  |                     |  | AP                  |  |
|                 |  | AO       |  |                    |  | AP            |  |                     |  | AQ                  |  |
|                 |  | AP       |  |                    |  | AQ            |  |                     |  | AR                  |  |
|                 |  | AQ       |  |                    |  | AR            |  |                     |  | AS                  |  |
|                 |  | AR       |  |                    |  | AS            |  |                     |  | AT                  |  |
|                 |  | AS       |  |                    |  | AT            |  |                     |  | AU                  |  |
|                 |  | AT       |  |                    |  | AU            |  |                     |  | AV                  |  |
|                 |  | AU       |  |                    |  | AV            |  |                     |  | AW                  |  |
|                 |  | AV       |  |                    |  | AW            |  |                     |  | AX                  |  |
|                 |  | AW       |  |                    |  | AX            |  |                     |  | AY                  |  |
|                 |  | AX       |  |                    |  | AY            |  |                     |  | AZ                  |  |
|                 |  | AY       |  |                    |  | AZ            |  |                     |  | BA                  |  |
|                 |  | AZ       |  |                    |  | BA            |  |                     |  | BB                  |  |
|                 |  | BA       |  |                    |  | BB            |  |                     |  | BC                  |  |
|                 |  | BB       |  |                    |  | BC            |  |                     |  | BD                  |  |
|                 |  | BC       |  |                    |  | BD            |  |                     |  | BE                  |  |
|                 |  | BD       |  |                    |  | BE            |  |                     |  | BF                  |  |
|                 |  | BE       |  |                    |  | BF            |  |                     |  | BG                  |  |
|                 |  | BF       |  |                    |  | BG            |  |                     |  | BH                  |  |
|                 |  | BG       |  |                    |  | BH            |  |                     |  | BI                  |  |
|                 |  | BH       |  |                    |  | BI            |  |                     |  | BJ                  |  |
|                 |  | BI       |  |                    |  | BJ            |  |                     |  | BK                  |  |
|                 |  | BJ       |  |                    |  | BK            |  |                     |  | BL                  |  |
|                 |  | BK       |  |                    |  | BL</          |  |                     |  |                     |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |           |  |                    |  |               |  |                     |  |                     |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|--|--------------------|--|---------------|--|---------------------|--|---------------------|--|----------|--|---|--|-----|--|-----------|--|--|--|--|--|--|--|---|--|-----|--|-----------|--|--|--|--|--|--|--|---|--|-----|--|-----------|--|--|--|--|--|--|--|---|--|-----|--|-----------|--|--|--|--|--|--|--|---|--|-----|--|-----------|--|--|--|--|--|--|--|---|--|-----|--|---------|--|--|--|--|--|--|--|---|--|---------|--|----|--|--|--|--|--|--|--|---|--|---------|--|--|--|--|--|--|--|
| CATALOG LISTING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | <b>M</b>  |  | LSY SERIES CHART 1 |  | PAGE 10 OF 10 |  | RELEASE NO CO-78499 |  | REPLACES LSY SERIES |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
| ISSUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 7         |  |                    |  |               |  | PSR                 |  | 10JUL07             |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
| <table border="1"> <tr> <td colspan="2">REVISONS</td> <td colspan="2">A</td> <td colspan="2">CSL</td> <td colspan="2">10 SEP 48</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">B</td> <td colspan="2">CSL</td> <td colspan="2">10 JAN 00</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">C</td> <td colspan="2">CSL</td> <td colspan="2">23 JUN 00</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">D</td> <td colspan="2">CSL</td> <td colspan="2">23 JUN 00</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">E</td> <td colspan="2">CSL</td> <td colspan="2">23 JAN 01</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">F</td> <td colspan="2">SPK</td> <td colspan="2">19APR05</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">G</td> <td colspan="2">0031956</td> <td colspan="2">BS</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2">H</td> <td colspan="2">10JUL07</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table> |  |           |  |                    |  |               |  |                     |  |                     |  | REVISONS |  | A |  | CSL |  | 10 SEP 48 |  |  |  |  |  |  |  | B |  | CSL |  | 10 JAN 00 |  |  |  |  |  |  |  | C |  | CSL |  | 23 JUN 00 |  |  |  |  |  |  |  | D |  | CSL |  | 23 JUN 00 |  |  |  |  |  |  |  | E |  | CSL |  | 23 JAN 01 |  |  |  |  |  |  |  | F |  | SPK |  | 19APR05 |  |  |  |  |  |  |  | G |  | 0031956 |  | BS |  |  |  |  |  |  |  | H |  | 10JUL07 |  |  |  |  |  |  |  |
| REVISONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | A         |  | CSL                |  | 10 SEP 48     |  |                     |  |                     |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | B         |  | CSL                |  | 10 JAN 00     |  |                     |  |                     |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | C         |  | CSL                |  | 23 JUN 00     |  |                     |  |                     |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | D         |  | CSL                |  | 23 JUN 00     |  |                     |  |                     |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | E         |  | CSL                |  | 23 JAN 01     |  |                     |  |                     |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | F         |  | SPK                |  | 19APR05       |  |                     |  |                     |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | G         |  | 0031956            |  | BS            |  |                     |  |                     |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | H         |  | 10JUL07            |  |               |  |                     |  |                     |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
| RASTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | DRAWN     |  |                    |  |               |  |                     |  |                     |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |
| GJW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | 24 AUG 94 |  | CHECK              |  | JAF           |  | 12 SEP 94           |  | CHECK               |  |          |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |           |  |  |  |  |  |  |  |   |  |     |  |         |  |  |  |  |  |  |  |   |  |         |  |    |  |  |  |  |  |  |  |   |  |         |  |  |  |  |  |  |  |

## 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

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