

SIDE ROTARY

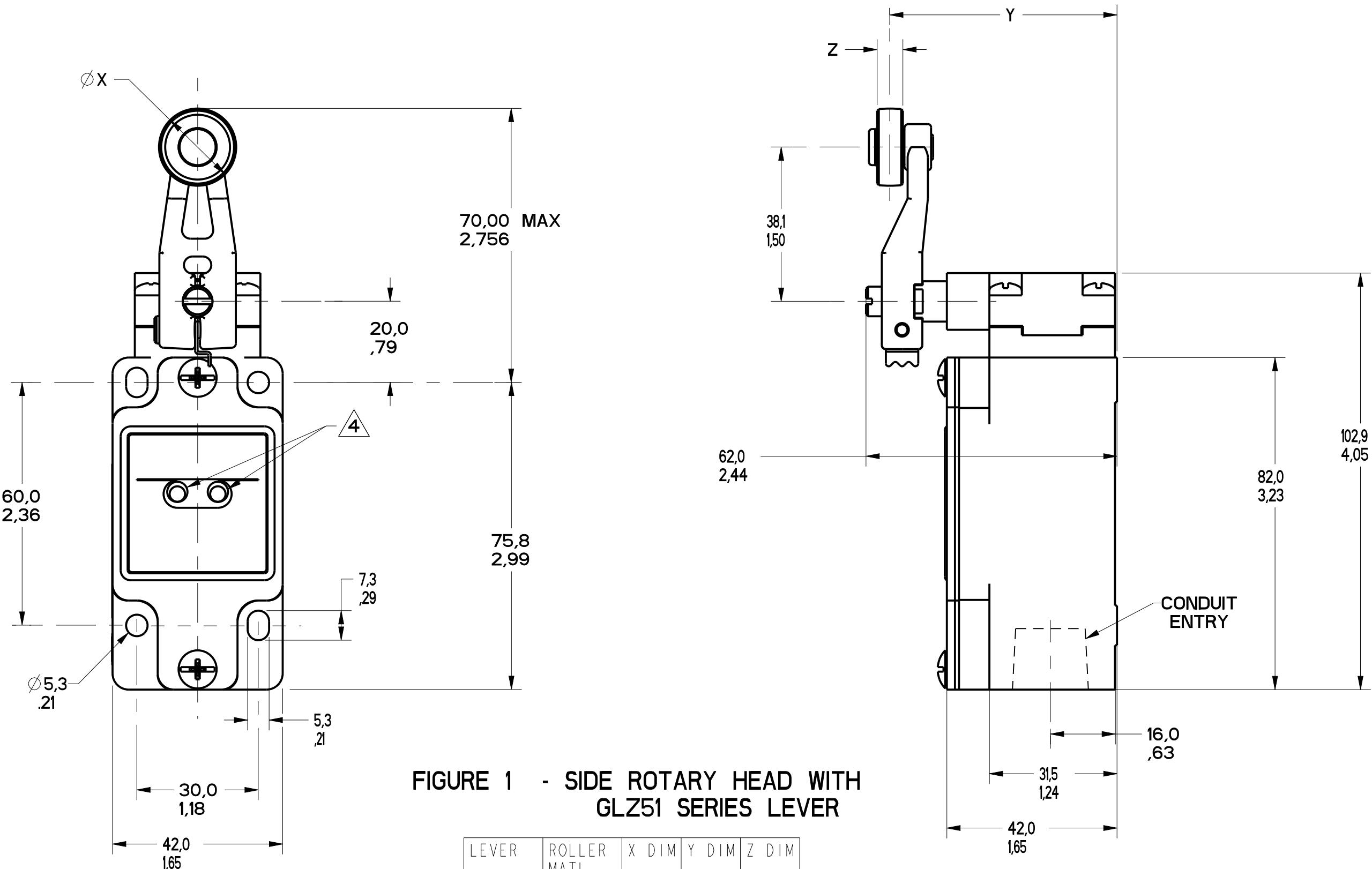


FIGURE 1 - SIDE ROTARY HEAD WITH GLZ51 SERIES LEVER

| LEVER  | ROLLER MATL     | X DIM        | Y DIM        | Z DIM       |
|--------|-----------------|--------------|--------------|-------------|
| GLZ51A | NYLON           | 19.1<br>.75  | 55.9<br>2.20 | 6.4<br>.25  |
| GLZ51B | STEEL           | 19.1<br>.75  | 55.9<br>2.20 | 6.4<br>.25  |
| GLZ51C | NYLON           | 24.5<br>1.00 | 59.1<br>2.33 | 12.7<br>.50 |
| GLZ51Y | RUBBER          | 50.0<br>1.97 | 66.1<br>2.60 | 10.0<br>.39 |
| GLZ51T | STAINLESS STEEL | 19.1<br>.75  | 56.8<br>2.24 | 8.8<br>.345 |

GLZ54J: 200.00 / 7.870 MAX  
GLZ54K: 140.00 / 5.510 MAX  
ALUMINUM ROD

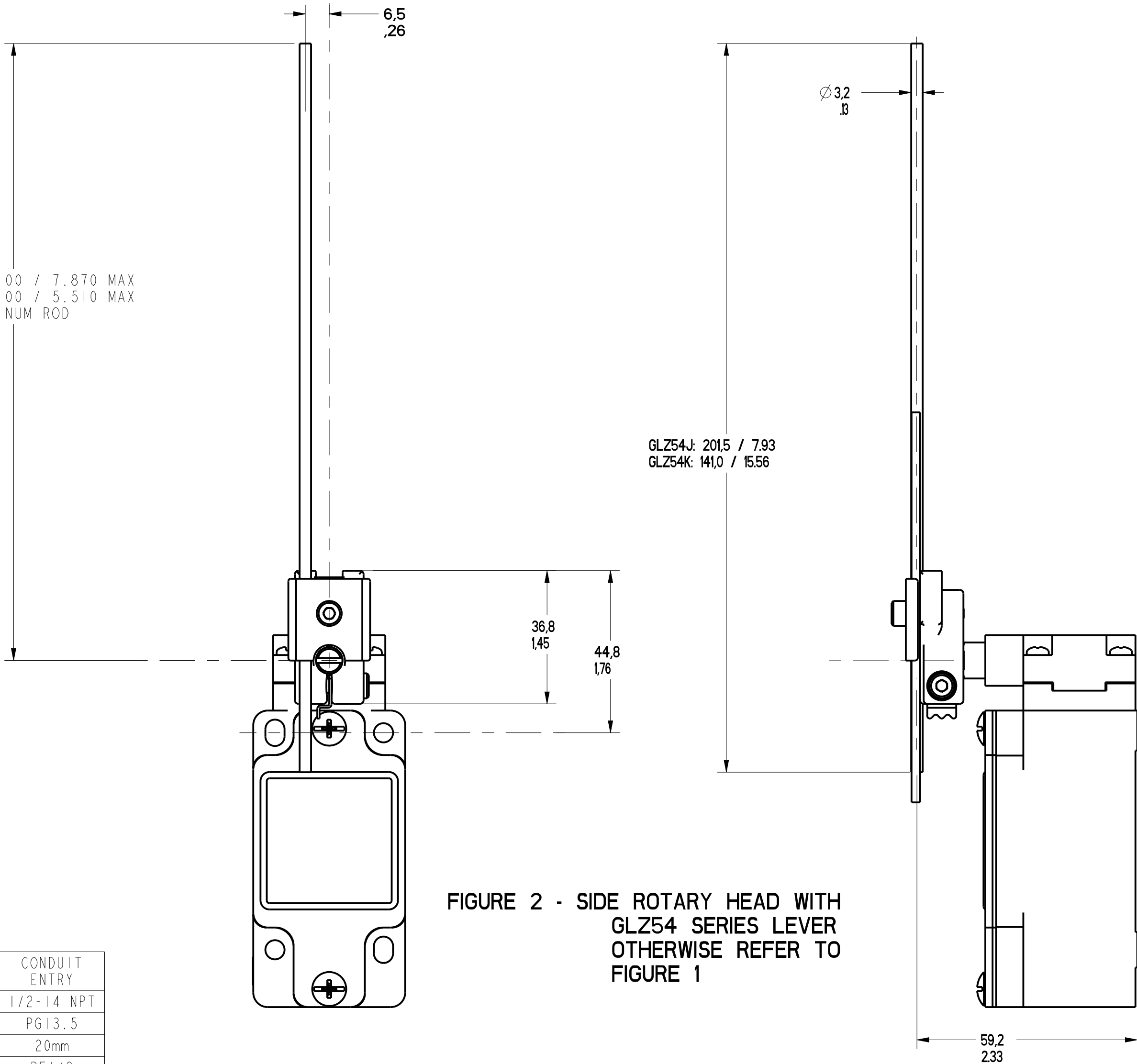


FIGURE 2 - SIDE ROTARY HEAD WITH GLZ54 SERIES LEVER OTHERWISE REFER TO FIGURE 1

| FIGURE | CATALOG LISTING | CONDUIT ENTRY |
|--------|-----------------|---------------|
| 1A     | GL*A SERIES     | 1/2-14 NPT    |
| 1B     | GL*B SERIES     | PG13.5        |
| 1C     | GL*C SERIES     | 20mm          |
| 1D     | GL*D SERIES     | PF1/2         |

| ELECTRICAL RATING |            |            |            | GOLD PLATED<br>CONTACTS      |
|-------------------|------------|------------|------------|------------------------------|
| AC                |            | DC         |            |                              |
| A600<br>Ue        | AC15<br>Ie | O300<br>Ue | DC13<br>Ie |                              |
| (VOLTS)           | (AMPS)     | (VOLTS)    | (AMPS)     |                              |
| 120               | 6          | 24         | 2.8        | 1V 10µA MIN<br>50V 100mA MAX |
| 240               | 3          | 125        | .55        |                              |
| 380               | 1.9        | 250        | .27        |                              |
| 480               | 1.5        |            |            |                              |
| 500               | 1.4        |            |            |                              |
| 600               | 1.2        |            |            |                              |

| ENVIRONMENTAL RATING       |
|----------------------------|
| IP67                       |
| NEMA/UL TYPES 1, 4, 12, 13 |

| CATALOG LISTING | BODY DIMENSIONS, FIGURE | HEAD DIMENSIONS, FIGURE | HEAD ACTUATION, FIGURE |
|-----------------|-------------------------|-------------------------|------------------------|
| GLA***          | I                       | N/A                     | N/A                    |
| GLF***          | I                       | N/A                     | N/A                    |
| GLH***          | I                       | N/A                     | N/A                    |
| GLA***          | 1A                      | N/A                     | N/A                    |
| GLB***          | 1B                      | N/A                     | N/A                    |
| GLC***          | 1C                      | N/A                     | N/A                    |
| GLD***          | 1D                      | N/A                     | N/A                    |
| GL***A1*        | 1                       | 8                       | 8                      |
| GL***A2*        | 1                       | 3                       | 9                      |
| GL***A4*        | 1                       | 2                       | 10                     |
| GL***A5*        | 1                       |                         | 8                      |
| GL***B          | 1                       | 4                       | 11                     |
| GL***C          | 1                       | 5                       | 13A, 13B               |
| GL***D          | 1                       | 6                       | 14A, 14B               |
| GL***E7A        | 1                       | 7A                      | 12                     |
| GL***E7B        | 1                       | 7                       | 12                     |
| GL***E7C        | 1                       | 7E                      | 15                     |
| GL***E7D        | 1                       | 7B                      | 12                     |
| GL***K8A        | 1                       | 7C                      | 15                     |
| GL***K8B        | 1                       | 7D                      | 15                     |
| GL***K8C        | 1                       | 7                       | 15                     |

FIGURE 3 - SIDE ROTARY HEAD WITH GLZ52 SERIES LEVERS OTHERWISE REFER TO FIGURE 1

| LEVER  | ROLLER MATL | X DIM        | Y DIM          | Z DIM          |
|--------|-------------|--------------|----------------|----------------|
| GLZ52A | NYLON       | 19.1<br>.75  | 65.9<br>2.59   | 6.4<br>.25     |
| GLZ52B | STEEL       | 19.1<br>.75  | 65.9<br>2.59   | 6.4<br>.25     |
| GLZ52D | NYLON       | 38.1<br>1.5  | 65.9<br>2.59   | 6.4<br>.25     |
| GLZ52E | NYLON       | 19.1<br>.75  | 79.37<br>3.125 | 33.07<br>1.300 |
| GLZ52W | RUBBER      | 40.0<br>1.6  | 71.5<br>2.81   | 12.7<br>.5     |
| GLZ52Y | RUBBER      | 50.0<br>1.97 | 68.8<br>2.71   | 10.0<br>.39    |

NOTES  
1 - HEADS MAY BE INDEXED IN 90° INCREMENTS.  
2 - LEVERS MAY BE KEYED TO THE SHAFT AT 90° INCREMENTS. THEY MAY ALSO BE ATTACHED, BUT NOT KEYED ANYWHERE ON THE SHAFT.  
3 - FOR ADDITIONAL LEVERS SEE "M" DRAWING CHART GLZ5  
4 - THE LEFT INDICATOR IS GREEN AND INDICATES "POWER ON" IT IS ON GLH SERIES PRODUCTS ONLY. THE RIGHT INDICATOR IS YELLOW AND INDICATES "OUTPUT STATUS" IT IS ON GLF AND GLH SERIES PRODUCTS ONLY.  
5 - THE MAXIMUM VOLTAGE, V<sub>e</sub> OF GLF AND GLH SERIES PRODUCTS IS THE MAXIMUM RATED VOLTAGE OF INDICATION LIGHTS  
6 - FREE POSITION, OPERATE POINT, OVERTRAVEL AND PRETRAVEL ALL TO EN50041  
7 - CAM TRAVEL FOR FIG 9 ONLY APPLIES WHEN LEVER IS ADJUSTED TO 38.1 / 1.50  
8 - THE MAXIMUM VOLTAGE, V<sub>e</sub> OF "06" AND "36" BASIC SWITCH CODE IS 300V (A300)  
9 - TEMPERATURE RANGE  
(ALL PRODUCTS EXCEPT W/SIDE ROTARY OPERATING HEAD)  
OPERATING: -25°C TO +85°C / -13°F TO +185°F  
STORAGE: -40°C TO +85°C / -40°F TO +185°F  
(PRODUCTS W/SIDE ROTARY OPERATING HEAD)  
OPERATING: -40°C TO +85°C / -40°F TO +185°F  
STORAGE: -40°C TO +85°C / -40°F TO +185°F

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FED. MFG. CODE 91929

MICRO SWITCH  
a Honeywell Division

SWITCH, ENCLOSED

CATALOG LISTING

GL SERIES CHART 1

THIRD ANGLE PROJECTION

SCALE 1:1

DO NOT SCALE PRINT

TOLERANCES  
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 1

| DESIGN UNITS                                                   | SI METRIC                         | US CUSTOMARY                                                                                                                                                                                                                                         |
|----------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NO PLACES<br>ONE PLACE<br>TWO PLACES<br>THREE PLACES<br>ANGLES | X<br>X.X<br>X.XX<br>X.XXX<br>±.2° | Y<br>Y.Y<br>Y.YY<br>Y.YYY<br>±.005<br>±.01<br>±.015<br>±.03<br>±.05<br>±.06<br>±.08<br>±.10<br>±.12<br>±.15<br>±.20<br>±.25<br>±.30<br>±.35<br>±.40<br>±.45<br>±.50<br>±.55<br>±.60<br>±.65<br>±.70<br>±.75<br>±.80<br>±.85<br>±.90<br>±.95<br>±.100 |

WEIGHT

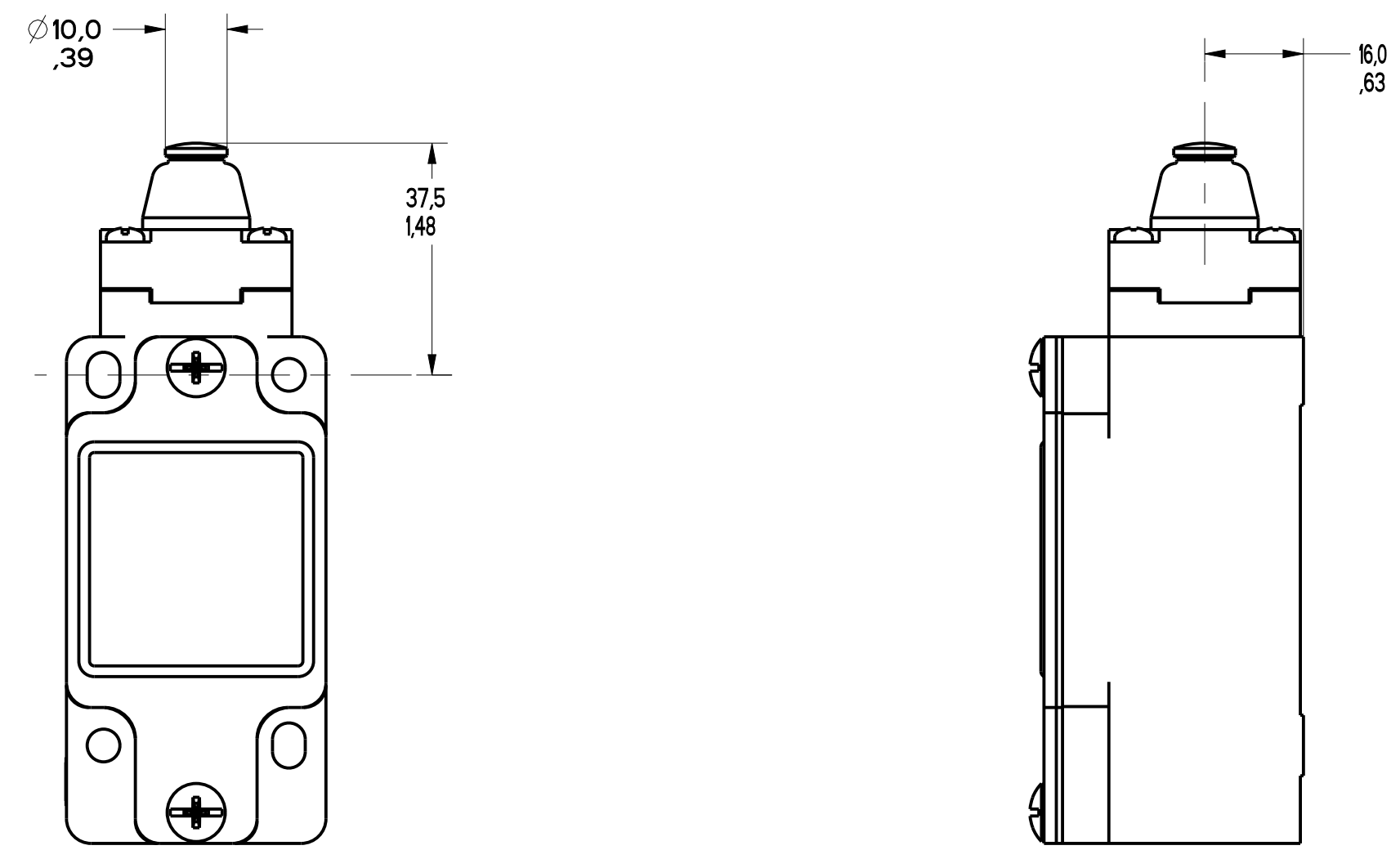


FIGURE 4 - TOP PIN PLUNGER HEAD  
OTHERWISE REFER TO  
FIGURE 1

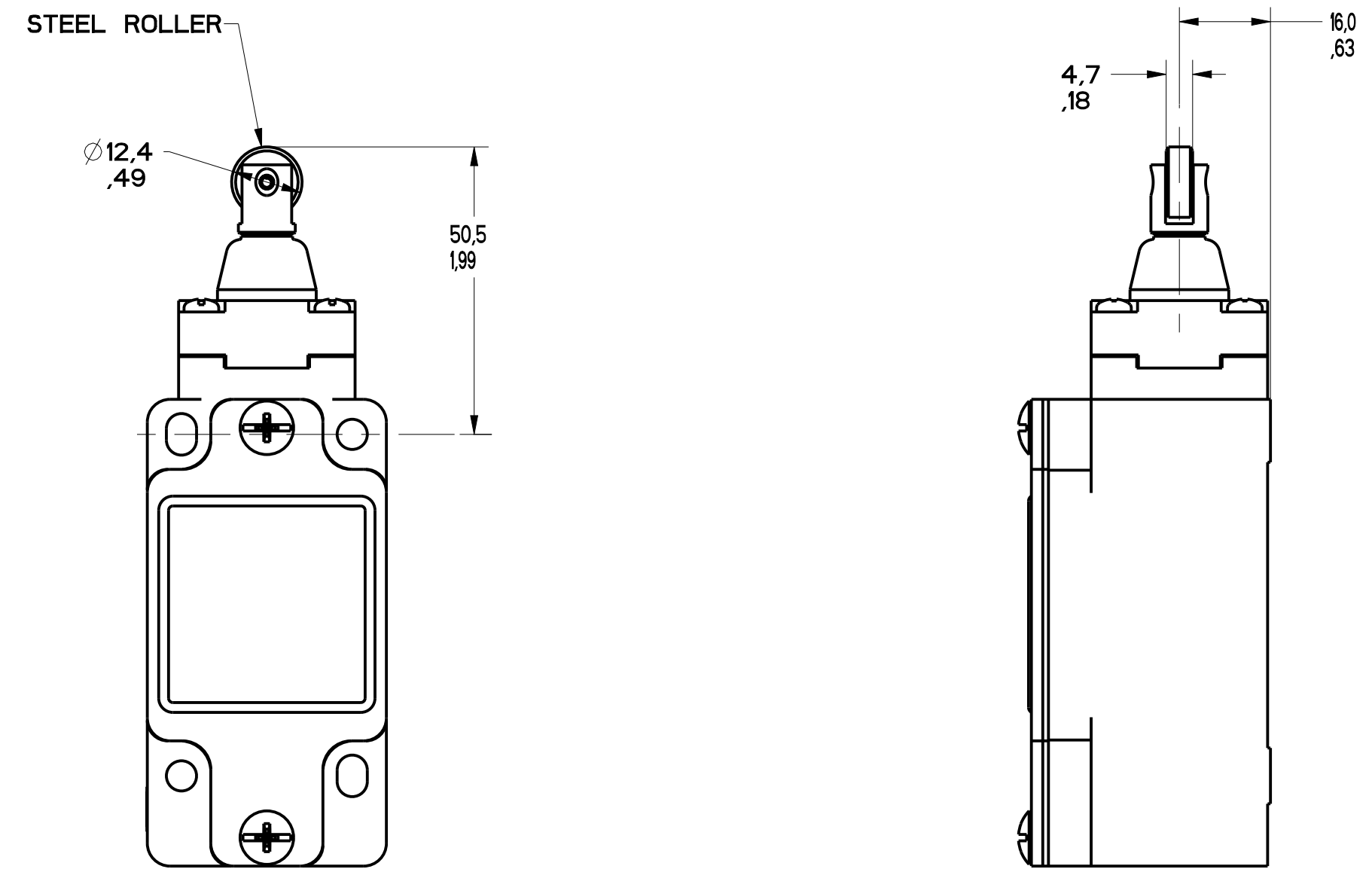


FIGURE 5 - TOP ROLLER PLUNGER HEAD  
OTHERWISE REFER TO  
FIGURE 1

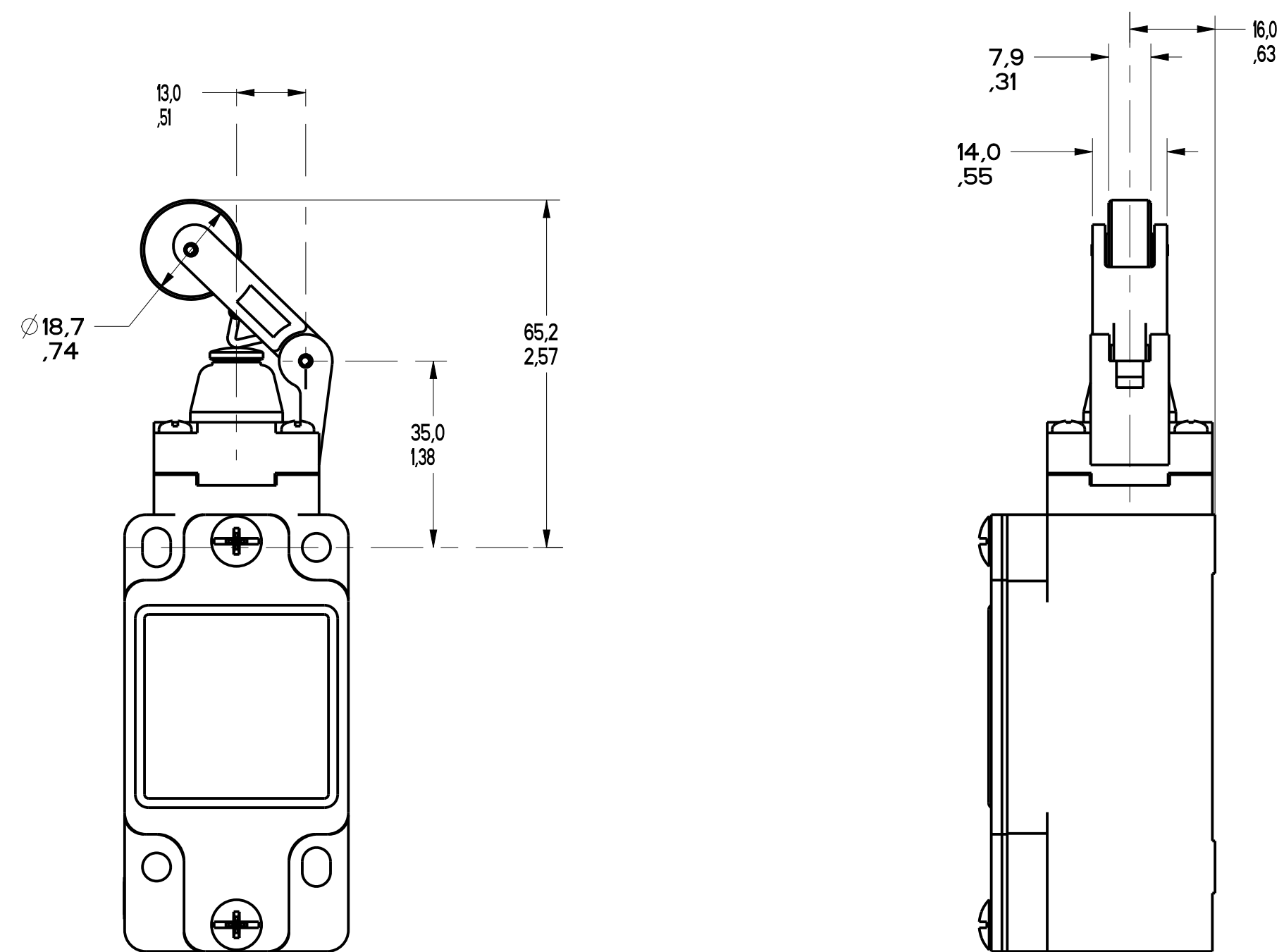


FIGURE 6 - TOP LEVER HEAD,  
OTHERWISE REFER TO  
FIGURE 1

[illegible]

|                                                                                                                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                      |      |           |   |     |      |           |      |      |    |            |      |            |    |              |  |            |    |        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|---|-----|------|-----------|------|------|----|------------|------|------------|----|--------------|--|------------|----|--------|--|
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| FED. MFG. CODE 91929                                                                                                                                                                |      | CATALOG LISTING                                                                                                                                                                                                                                                                                                                                                      |      |           |   |     |      |           |      |      |    |            |      |            |    |              |  |            |    |        |  |
| <div><div>MICRO SWITCH</div><div>a Honeywell Division</div></div>                                                                                                                   |      | GL SERIES CHART 1                                                                                                                                                                                                                                                                                                                                                    |      |           |   |     |      |           |      |      |    |            |      |            |    |              |  |            |    |        |  |
|                                                                                                                                                                                     |      | WEIGHT                                                                                                                                                                                                                                                                                                                                                               |      |           |   |     |      |           |      |      |    |            |      |            |    |              |  |            |    |        |  |
|                                                                                                                                                                                     |      | <table><tr><td>NO PLACES</td><td>2</td><td>TOL</td><td>mm/2</td></tr><tr><td>ONE PLACE</td><td>X, X</td><td>1/24</td><td>in</td></tr><tr><td>TWO PLACES</td><td>X, X</td><td>0.41/0.016</td><td>in</td></tr><tr><td>THREE PLACES</td><td></td><td>0.15/0.006</td><td>in</td></tr><tr><td>ANGLES</td><td></td><td><math>\pm 2^\circ</math></td><td></td></tr></table> |      | NO PLACES | 2 | TOL | mm/2 | ONE PLACE | X, X | 1/24 | in | TWO PLACES | X, X | 0.41/0.016 | in | THREE PLACES |  | 0.15/0.006 | in | ANGLES |  |
| NO PLACES                                                                                                                                                                           | 2    | TOL                                                                                                                                                                                                                                                                                                                                                                  | mm/2 |           |   |     |      |           |      |      |    |            |      |            |    |              |  |            |    |        |  |
| ONE PLACE                                                                                                                                                                           | X, X | 1/24                                                                                                                                                                                                                                                                                                                                                                 | in   |           |   |     |      |           |      |      |    |            |      |            |    |              |  |            |    |        |  |
| TWO PLACES                                                                                                                                                                          | X, X | 0.41/0.016                                                                                                                                                                                                                                                                                                                                                           | in   |           |   |     |      |           |      |      |    |            |      |            |    |              |  |            |    |        |  |
| THREE PLACES                                                                                                                                                                        |      | 0.15/0.006                                                                                                                                                                                                                                                                                                                                                           | in   |           |   |     |      |           |      |      |    |            |      |            |    |              |  |            |    |        |  |
| ANGLES                                                                                                                                                                              |      | $\pm 2^\circ$                                                                                                                                                                                                                                                                                                                                                        |      |           |   |     |      |           |      |      |    |            |      |            |    |              |  |            |    |        |  |
| DESIGN UNITS <input checked="" type="checkbox"/> SI METRIC                                                                                                                          |      | US CUSTOMARY                                                                                                                                                                                                                                                                                                                                                         |      |           |   |     |      |           |      |      |    |            |      |            |    |              |  |            |    |        |  |

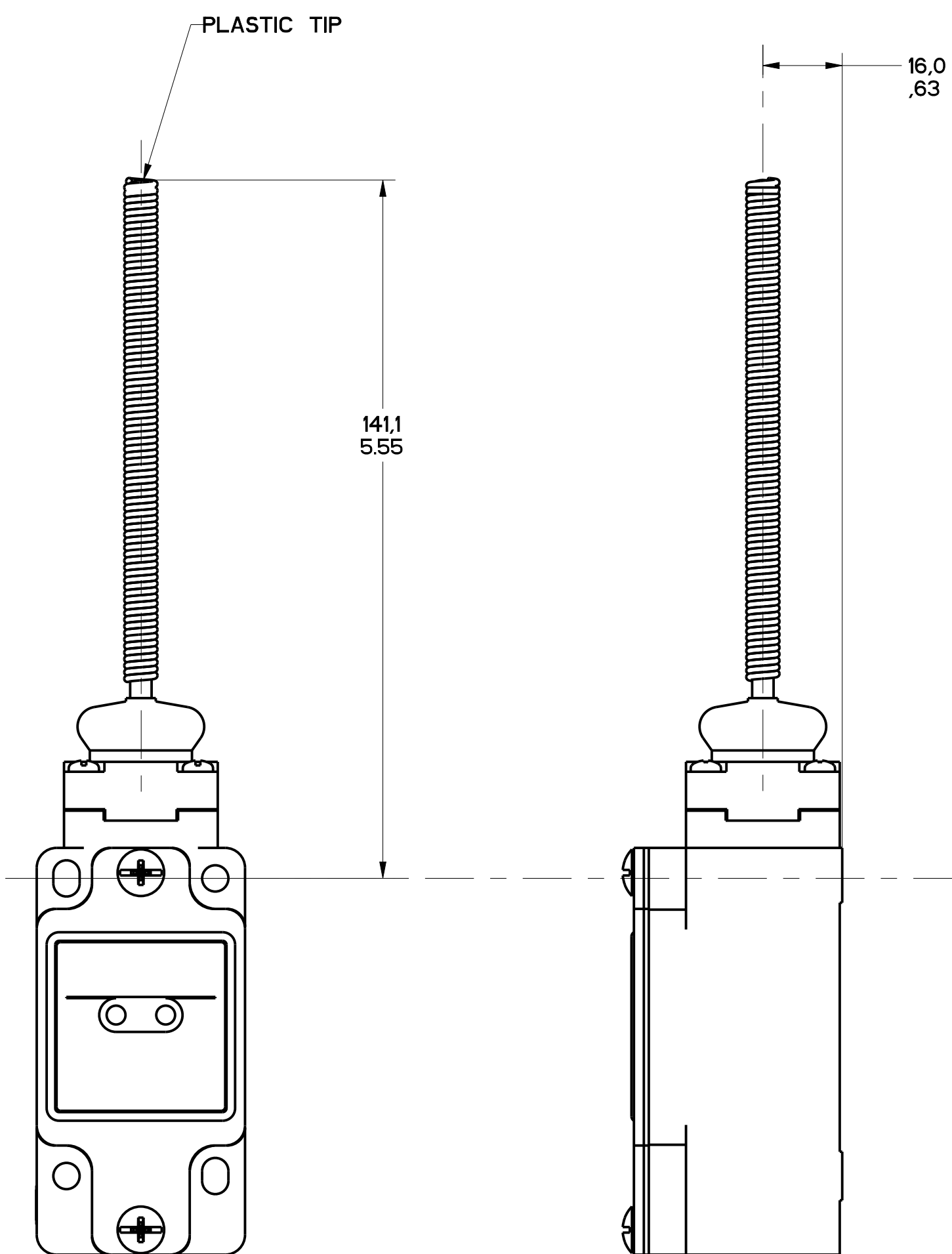


FIGURE 7 - WOBBLE HEAD, AND CAT WISKER HEAD  
COIL ACTUATOR,  
OTHERWISE REFER TO  
FIGURE 1

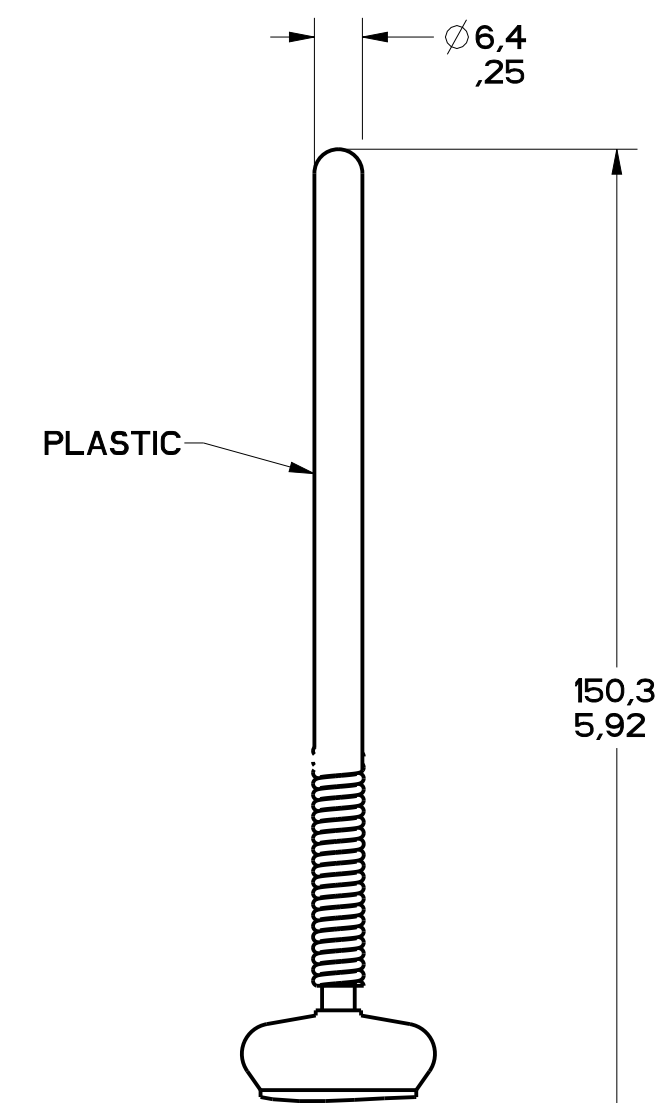


FIGURE 7A -  
WOBBLE HEAD,  
PLASTIC ACTUATOR,  
OTHERWISE SAME AS FIGURE 7

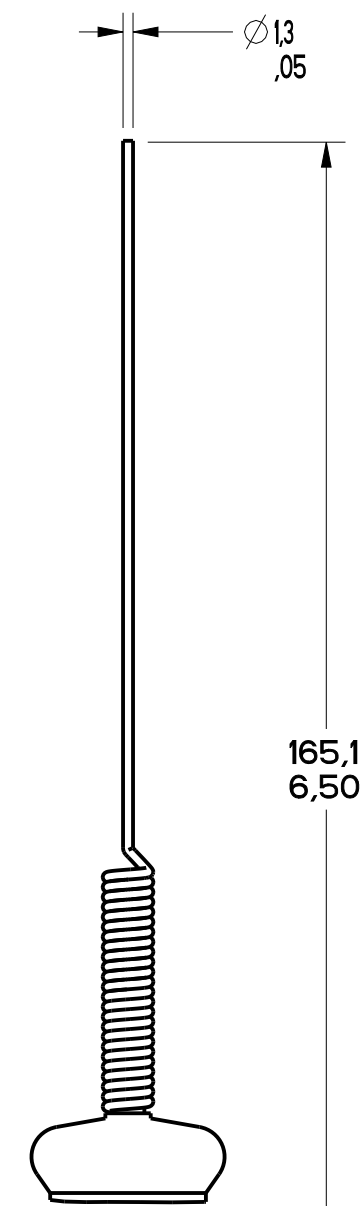


FIGURE 7B -  
WOBBLE HEAD  
STAINLESS STEEL SPRING  
ACTUATOR, OTHERWISE  
SAME AS FIGURE 7



FIGURE 7C -  
CAT WHISKER ACTUATOR,  
STAINLESS STEEL SPRING,  
OTHERWISE SAME AS FIGURE 7

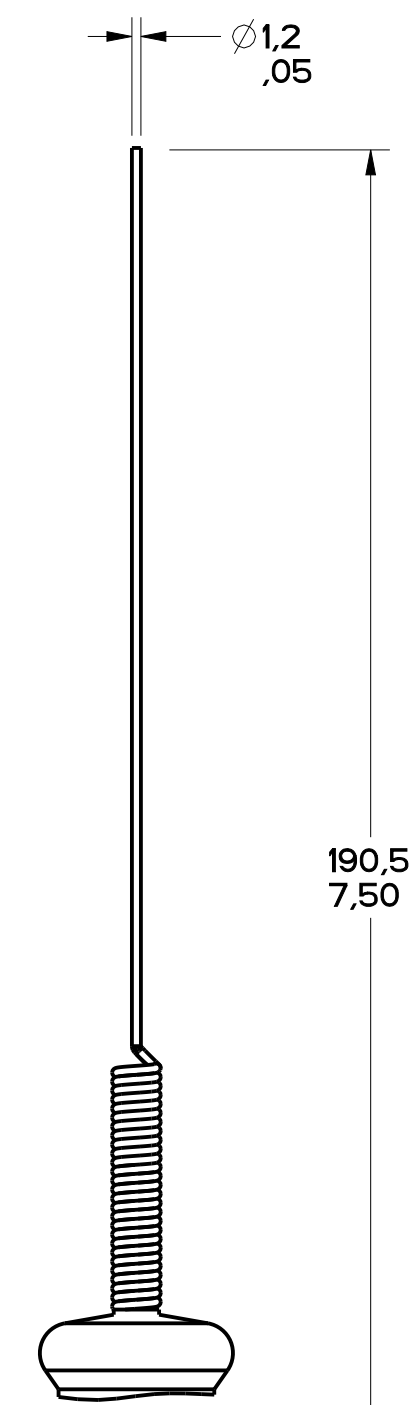


FIGURE 7D -  
CAT WHISKER ACTUATOR,  
STAINLESS STEEL  
SPRING, OTHERWISE  
SAME AS FIGURE 7

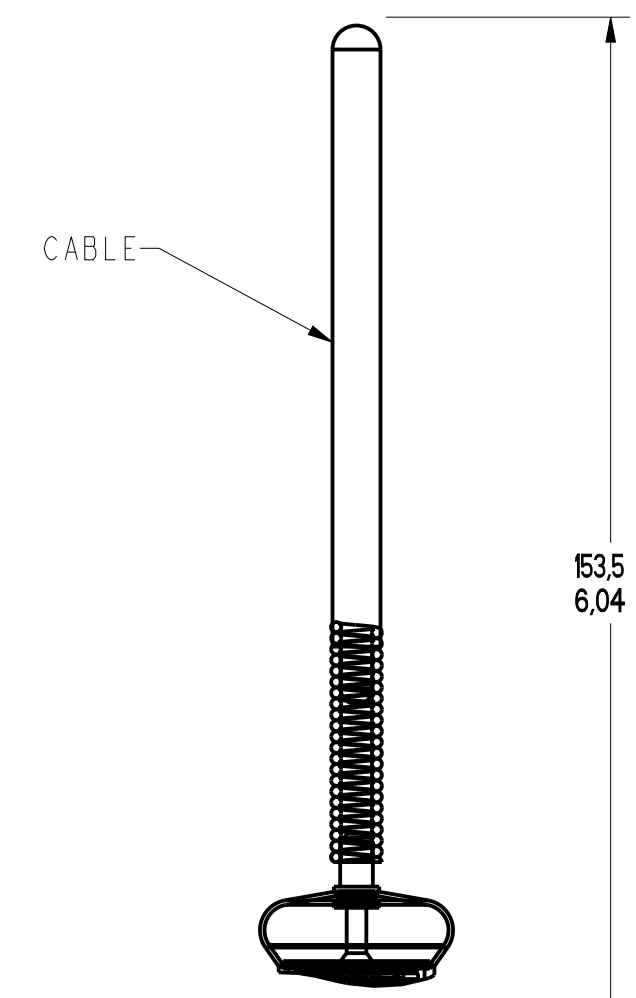


FIGURE 7E -  
CABLE WOBBLE  
ACTUATOR, OTHERWISE  
SAME AS FIGURE 7

|                      |  |                      |  |                      |  |                      |  |
|----------------------|--|----------------------|--|----------------------|--|----------------------|--|
| DRAWN                |  | CHECK                |  | DATE                 |  | BY                   |  |
| SAV 7 MAY 96         |  | SAV 7 MAY 96         |  | SAV 7 MAY 96         |  | SAV 7 MAY 96         |  |
| 120CT12              |  | 120CT12              |  | 120CT12              |  | 120CT12              |  |
| SRH                  |  | SRH                  |  | SRH                  |  | SRH                  |  |
| 0034570              |  | 0034570              |  | 0034570              |  | 0034570              |  |
| 125F08               |  | 125F08               |  | 125F08               |  | 125F08               |  |
| 0505019              |  | 0505019              |  | 0505019              |  | 0505019              |  |
| M 0510059            |  | M 0510059            |  | M 0510059            |  | M 0510059            |  |
| 078F08               |  | 078F08               |  | 078F08               |  | 078F08               |  |
| K 0043629            |  | K 0043629            |  | K 0043629            |  | K 0043629            |  |
| H 0372126            |  | H 0372126            |  | H 0372126            |  | H 0372126            |  |
| V07                  |  | V07                  |  | V07                  |  | V07                  |  |
| 07AUG06              |  | 07AUG06              |  | 07AUG06              |  | 07AUG06              |  |
| G 0002586            |  | G 0002586            |  | G 0002586            |  | G 0002586            |  |
| RS                   |  | RS                   |  | RS                   |  | RS                   |  |
| F 0000041            |  | F 0000041            |  | F 0000041            |  | F 0000041            |  |
| GLH                  |  | GLH                  |  | GLH                  |  | GLH                  |  |
| REV 00001            |  | REV 00001            |  | REV 00001            |  | REV 00001            |  |
| ISSUE                |  | ISSUE                |  | ISSUE                |  | ISSUE                |  |
| 16                   |  | 16                   |  | 16                   |  | 16                   |  |
| DRAWING NUMBER       |  | DRAWING NUMBER       |  | DRAWING NUMBER       |  | DRAWING NUMBER       |  |
| MGL SERIES CHART 1   |  | MGL SERIES CHART 1   |  | MGL SERIES CHART 1   |  | MGL SERIES CHART 1   |  |
| PAGE                 |  | PAGE                 |  | PAGE                 |  | PAGE                 |  |
| 3 OF 13              |  | 3 OF 13              |  | 3 OF 13              |  | 3 OF 13              |  |
| RELEASE NO. PR-21557 |  | RELEASE NO. PR-21557 |  | RELEASE NO. PR-21557 |  | RELEASE NO. PR-21557 |  |
| REPLACES             |  | REPLACES             |  | REPLACES             |  | REPLACES             |  |
| PTC/CAD              |  | PTC/CAD              |  | PTC/CAD              |  | PTC/CAD              |  |

|                                                                                                                                                                                     |                         |                                                                                                             |                                                          |
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| FED. MFG. CODE 91929                                                                                                                                                                | CATALOG LISTING         | NO PLACES<br>X<br>ONE PLACE<br>X, X<br>TWO PLACES<br>X, X, X<br>THREE PLACES<br>ANGLES<br>±.2°<br>SI METRIC | 0.85 / .03<br>0.13 / .005<br>0.13 / .005<br>US CUSTOMARY |
| <b>MICRO SWITCH</b><br>a Honeywell Division                                                                                                                                         | <b>SWITCH, ENCLOSED</b> | <b>GL SERIES CHART 1</b>                                                                                    | DESIGN UNITS <input checked="" type="checkbox"/>         |
|                                                                                                                                                                                     |                         |                                                                                                             | WEIGHT                                                   |

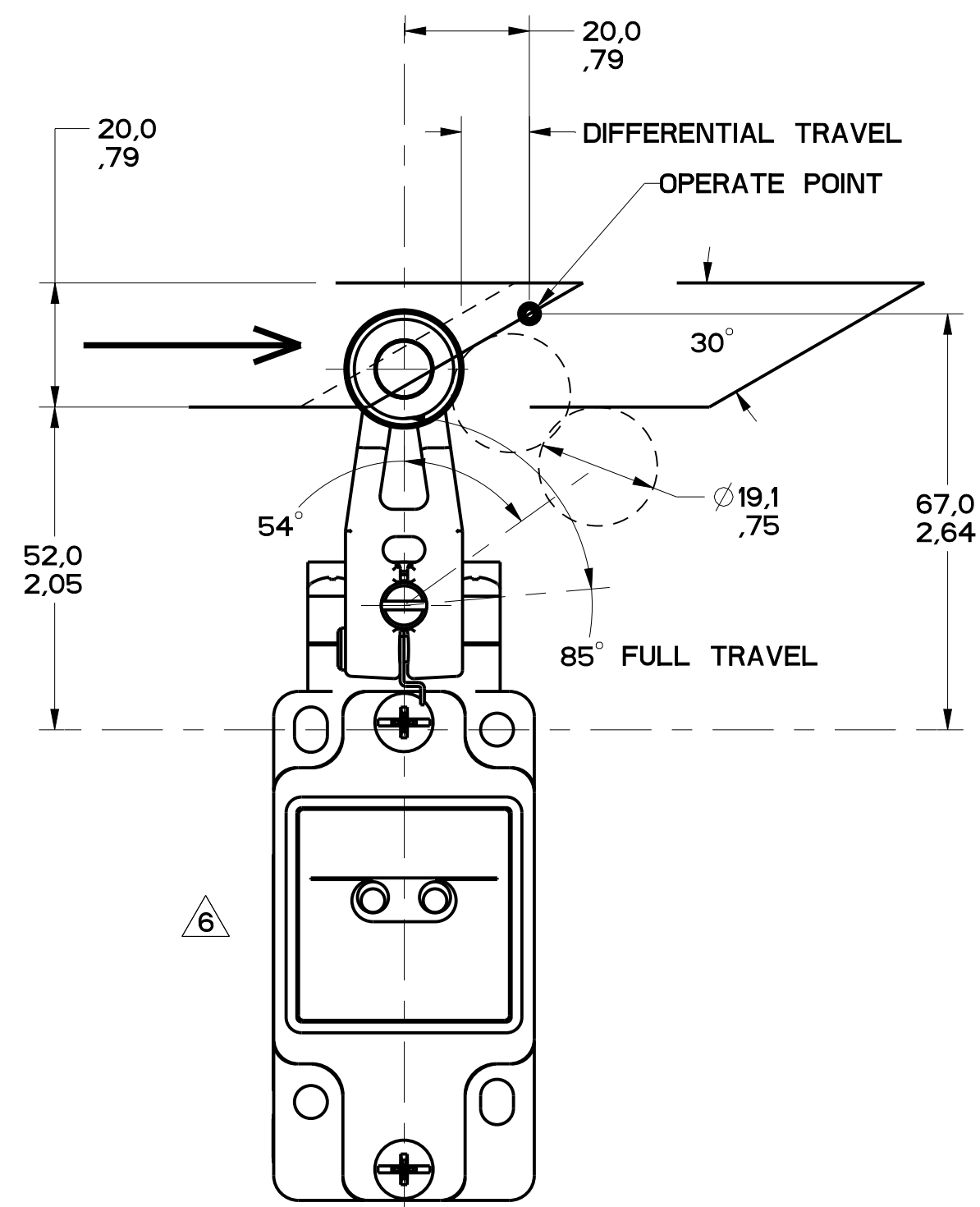


FIGURE 8

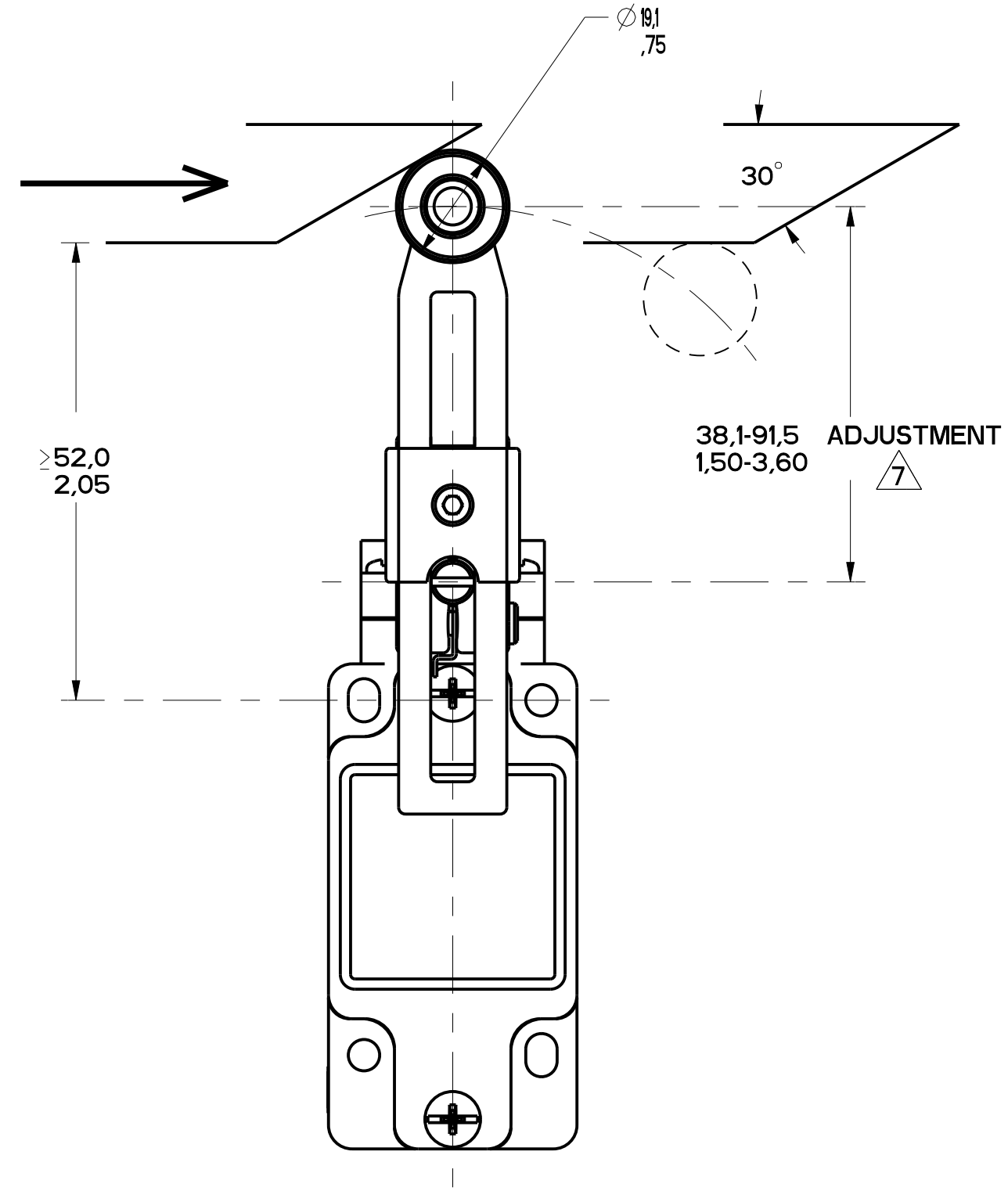


FIGURE 9

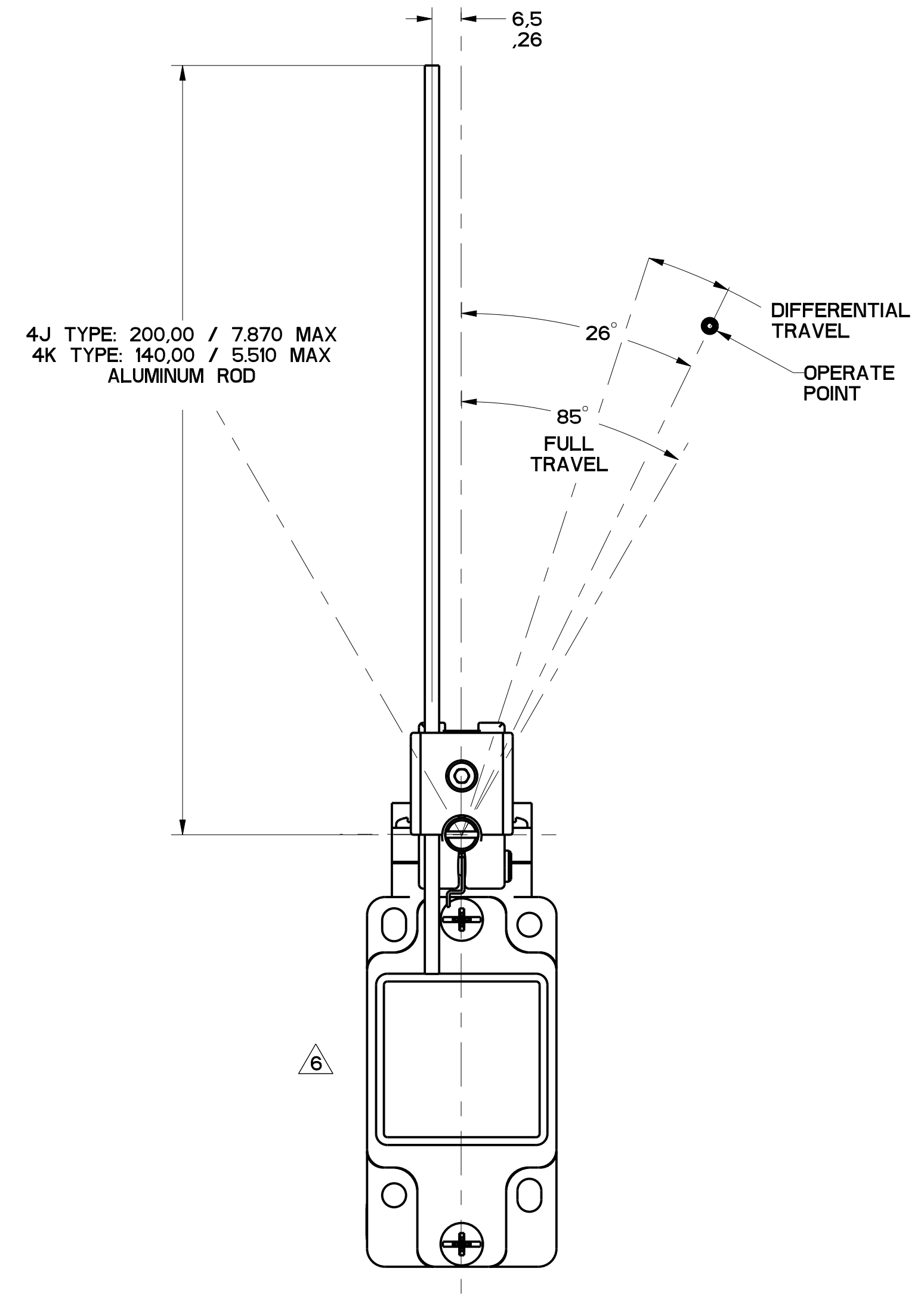


FIGURE 10

[illegible]

|         |       |               |       |     |         |       |     |         |                |
|---------|-------|---------------|-------|-----|---------|-------|-----|---------|----------------|
| PTC/CAD | DRAWN | S A V 27MAR96 | CHECK | DVM | 07AUG06 | CHECK | CMH | 05OCT10 | REVISIONS      |
|         |       |               |       |     |         |       |     |         | F 0000401      |
|         |       |               |       |     |         |       |     |         | GLH<br>2 JUN03 |
|         |       |               |       |     |         |       |     |         | G 0002986      |
|         |       |               |       |     |         |       |     |         | RS<br>20 JAN04 |
|         |       |               |       |     |         |       |     |         | H 0023759      |
|         |       |               |       |     |         |       |     |         | RFP<br>07AUG06 |
|         |       |               |       |     |         |       |     |         | J 0037216      |
|         |       |               |       |     |         |       |     |         | BS<br>09FEB08  |
|         |       |               |       |     |         |       |     |         | K 0034629      |
|         |       |               |       |     |         |       |     |         | SS<br>12SEP08  |
|         |       |               |       |     |         |       |     |         | L 0048605      |
|         |       |               |       |     |         |       |     |         | YKS<br>09FEB09 |
|         |       |               |       |     |         |       |     |         | M 0070059      |
|         |       |               |       |     |         |       |     |         | DN<br>05OCT10  |
|         |       |               |       |     |         |       |     |         | N 0049570      |
|         |       |               |       |     |         |       |     |         | SSH<br>12OCT12 |
|         |       |               |       |     |         |       |     |         |                |
|         |       |               |       |     |         |       |     |         |                |
|         |       |               |       |     |         |       |     |         |                |

|                                                                                                                                                                                     |                                               |                                       |         |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|-----------------------------------------------|---------------------------------------|------|------|------|----|--------|-----|---------|-----------|---|-----|-------|-----------|------|------|-------|------------|------|------|-------|--------------|--|------|-------|--------|--|-----|--|
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| DIM.                                                                                                                                                                                | TOL.                                          | DIM.                                  | TOL.    |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
| mm                                                                                                                                                                                  | mm/100                                        | in.                                   | in./100 |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
| NO PLACES                                                                                                                                                                           | X                                             | 1/4                                   | 0.004   |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
| ONE PLACE                                                                                                                                                                           | X, X                                          | 0.40                                  | 0.016   |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
| TWO PLACES                                                                                                                                                                          | X, X                                          | 0.50                                  | 0.020   |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
| THREE PLACES                                                                                                                                                                        |                                               | 0.50                                  | 0.020   |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
| ANGLES                                                                                                                                                                              |                                               | ±2°                                   |         |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
| FED. MFG. CODE 91929                                                                                                                                                                |                                               | CATALOG LISTING                       |         | <table><tr><td>DESIGN UNITS</td><td><input checked="" type="checkbox"/> SI METRIC</td><td><input type="checkbox"/> US CUSTOMARY</td></tr></table> |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | DESIGN UNITS | <input checked="" type="checkbox"/> SI METRIC | <input type="checkbox"/> US CUSTOMARY |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
| DESIGN UNITS                                                                                                                                                                        | <input checked="" type="checkbox"/> SI METRIC | <input type="checkbox"/> US CUSTOMARY |         |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
| <b>MICRO SWITCH</b><br>a Honeywell Division                                                                                                                                         |                                               | <b>SWITCH, ENCLOSED</b>               |         | <b>GL SERIES CHART 1</b>                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
|                                                                                                                                                                                     |                                               |                                       |         |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |
|                                                                                                                                                                                     |                                               | WEIGHT                                |         |                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |              |                                               |                                       |      |      |      |    |        |     |         |           |   |     |       |           |      |      |       |            |      |      |       |              |  |      |       |        |  |     |  |



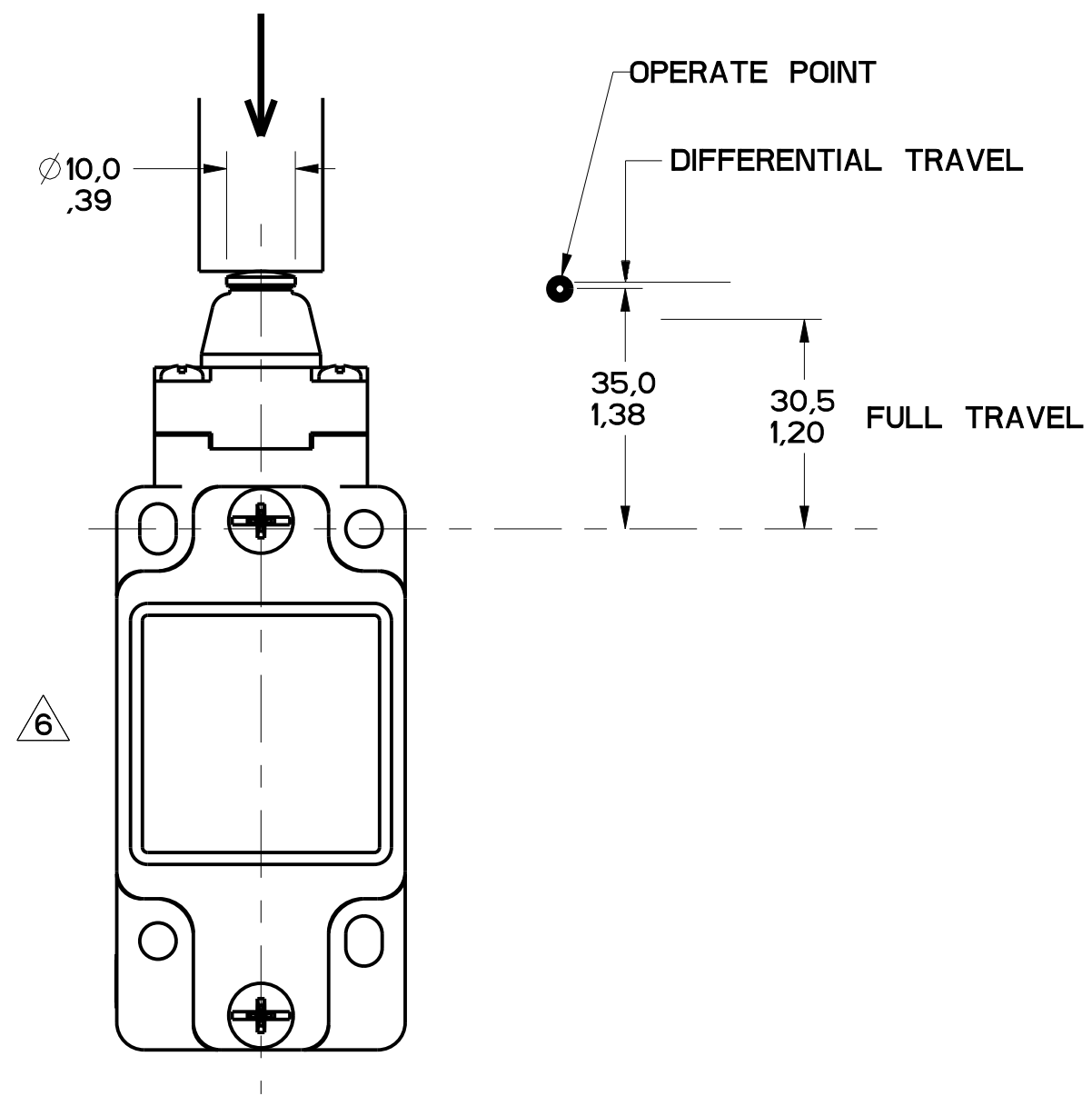


FIGURE 11

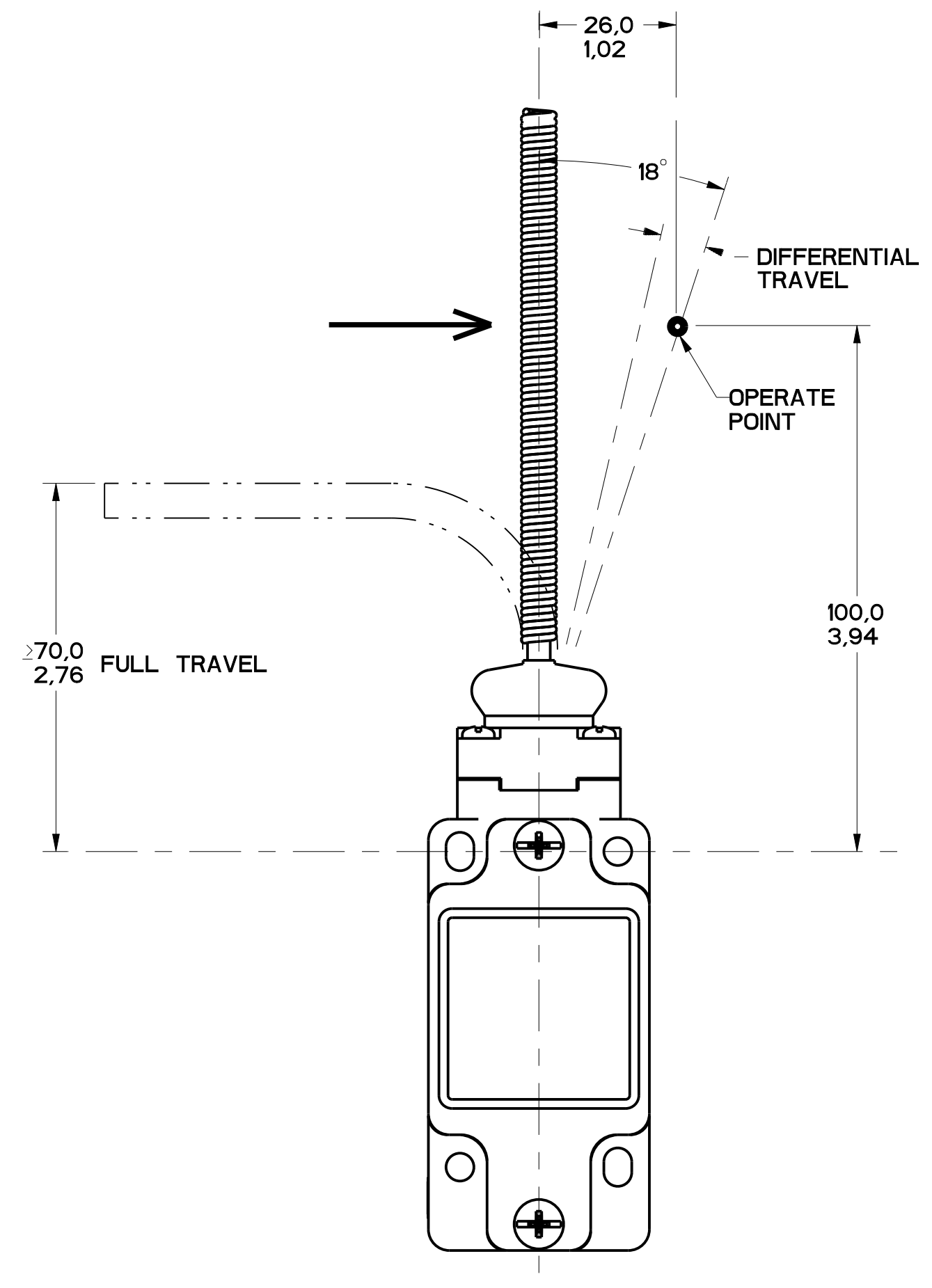


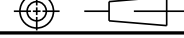
FIGURE 12

[illegible][illegible]

|                                                                                                                                                                                     |                  |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|
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| FED. MFG. CODE 91929                                                                                                                                                                | SWITCH, ENCLOSED | CATALOG LISTING |
|                                                                                                |                  | GL SERIES CHART |

SWITCH, ENCLOSED

GL SERIES CHART 1

| THIRD ANGLE PROJECTION                                                                                         |                          |                                                                                                    |                          |
|----------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------|--------------------------|
|                           |                          |                                                                                                    |                          |
| SCALE <span style="font-size: 1.5em;">1</span> : <span style="font-size: 1.5em;">1</span>                      |                          |                                                                                                    |                          |
| DO NOT SCALE PRINT                                                                                             |                          |                                                                                                    |                          |
| <b>TOLERANCES</b><br>APPLY TO DESIGN UNITS, CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE : |                          |                                                                                                    |                          |
|                                                                                                                | DIM<br><small>mm</small> | TOL<br><small>mm</small>                                                                           | DIM<br><small>in</small> |
|                                                                                                                | X                        | 1/16 - 24                                                                                          | X                        |
| NO PLACES                                                                                                      | X                        | 0.01 - 016                                                                                         | X                        |
| ONE PLACE                                                                                                      | X                        | 0.01 - 016                                                                                         | X                        |
| TWO PLACES                                                                                                     | X                        | 0.01 - 016                                                                                         | X                        |
| THREE PLACES                                                                                                   | X                        | 0.01 - 016                                                                                         | X                        |
| FOUR PLACES                                                                                                    | X                        | 0.01 - 016                                                                                         | X                        |
| $\pm 2^\circ$                                                                                                  |                          |                                                                                                    |                          |
| SI METRIC                                                                                                      |                          | US CUSTOMARY                                                                                       |                          |
| DESIGN UNITS              |                          | DESIGN UNITS  |                          |
| WEIGHT                                                                                                         |                          |                                                                                                    |                          |

| FIGURES 11, PIN PLUNGER HEAD, LINEAR ACTUATION |                                                 |                                                                                                                                                           |                                        |                                         |                                                 |                                                  |                               |
|------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------|
| CATALOG LISTING                                | CONTACT BLOCK DIAGRAM                           | NOMINAL TRAVELS AND RELATED TERMINALS<br>■ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 | MAXIMUM OPERATING FORCE $\frac{N}{LB}$ | MAXIMUM DISCONNECT FORCE $\frac{N}{LB}$ | MAX OPERATE VEL $\frac{M}{S}$<br>$\frac{IN}{S}$ | MIN OPERATE VEL $\frac{MM}{S}$<br>$\frac{IN}{S}$ | MAX OPERATE FREQUENCY OPS/MIN |
| GL**01B<br>GL**07B                             | SNAP - ACTION CONTACTS SINGLE POLE<br>          |                                                                                                                                                           | $\frac{16}{3.6}$                       | $\frac{27}{6.0}$                        | $\frac{0.1}{3.9}$                               | $\frac{1.0}{.04}$                                | 250                           |
| GL**03B<br>GL**33B                             | SLOW ACTING BREAK BEFORE MAKE<br>               |                                                                                                                                                           | $\frac{16}{3.6}$                       | $\frac{27}{6.0}$                        | $\frac{0.1}{3.9}$                               | $\frac{1.0}{.04}$                                | 250                           |
| GL**04B<br>GL**34B                             | SLOW ACTING MAKE BEFORE BREAK<br>               |                                                                                                                                                           | $\frac{16}{3.6}$                       | $\frac{27}{6.0}$                        | $\frac{0.1}{3.9}$                               | $\frac{1.0}{.04}$                                | 250                           |
| GL**05B<br>GL**35B                             | SLOW ACTING<br>                                 |                                                                                                                                                           | $\frac{16}{3.6}$                       | $\frac{27}{6.0}$                        | $\frac{0.1}{3.9}$                               | $\frac{1.0}{.04}$                                | 250                           |
| GL**06B<br>GL**36B                             | SLOW ACTING<br>                                 |                                                                                                                                                           | $\frac{16}{3.6}$                       | $\frac{27}{6.0}$                        | $\frac{0.1}{3.9}$                               | $\frac{1.0}{.04}$                                | 250                           |
| GL**20B<br>GL**22B<br>GL**24B<br>GL**32B       | SNAP ACTION CONTACTS DOUBLE POLE<br>            |                                                                                                                                                           | $\frac{16}{3.6}$                       | $\frac{37}{8.2}$                        | $\frac{0.1}{3.9}$                               | $\frac{1.0}{.04}$                                | 250                           |
| GL**21B<br>GL**25B<br>GL**28B<br>GL**31B       | SNAP ACTION CONTACTS DOUBLE POLE SEQUENTIAL<br> |                                                                                                                                                           | $\frac{16}{3.6}$                       | N/A                                     | $\frac{0.1}{3.9}$                               | $\frac{1.0}{.04}$                                | 250                           |

| FIGURE 12, WOBBLE HEAD, ANGULAR ACTUATION |                                        |                                                                                                                                                           |                                                        |                                                         |                      |                               |                             |
|-------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|----------------------|-------------------------------|-----------------------------|
| CATALOG LISTING                           | CONTACT BLOCK DIAGRAM                  | NOMINAL TRAVELS AND RELATED TERMINALS<br>■ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 | MAXIMUM OPERATING TORQUE $\frac{N\cdot m}{LB\cdot IN}$ | MAXIMUM DISCONNECT TORQUE $\frac{N\cdot m}{LB\cdot IN}$ | MAX OPERATE DEGREE/S | MIN OPERATE VELOCITY DEGREE/S | MAX OPERATE RATE CYCLES/MIN |
| GL**01E<br>GL**07E                        | SNAP - ACTION CONTACTS SINGLE POLE<br> |                                                                                                                                                           | $\frac{0.2}{1.8}$                                      | N/A                                                     | 360                  | 8                             | 100                         |
| GL**03E<br>GL**33E                        | SLOW ACTING BREAK BEFORE MAKE<br>      |                                                                                                                                                           | $\frac{0.2}{1.8}$                                      | N/A                                                     | 360                  | 8                             | 100                         |
| GL**04E<br>GL**34E                        | SLOW ACTING MAKE BEFORE BREAK<br>      |                                                                                                                                                           | $\frac{0.2}{1.8}$                                      | N/A                                                     | 360                  | 8                             | 100                         |
| GL**05E<br>GL**35E                        | SLOW ACTING<br>                        |                                                                                                                                                           | $\frac{0.2}{1.8}$                                      | N/A                                                     | 360                  | 8                             | 100                         |
| GL**06E<br>GL**36E                        | SLOW ACTING<br>                        |                                                                                                                                                           | $\frac{0.2}{1.8}$                                      | N/A                                                     | 360                  | 8                             | 100                         |
| GL**20E<br>GL**22E<br>GL**24E<br>GL**32E  | SNAP ACTION CONTACTS DOUBLE POLE<br>   |                                                                                                                                                           | $\frac{0.2}{1.8}$                                      | N/A                                                     | 360                  | 8                             | 100                         |

| FIGURE 12, WOBBLE HEAD, SIDE ACTUATION AT 100mm |                                        |                                                                                                                                                           |                                        |                                         |                                                 |                                                  |                               |
|-------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------|
| CATALOG LISTING                                 | CONTACT BLOCK DIAGRAM                  | NOMINAL TRAVELS AND RELATED TERMINALS<br>■ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 | MAXIMUM OPERATING FORCE $\frac{N}{LB}$ | MAXIMUM DISCONNECT FORCE $\frac{N}{LB}$ | MAX OPERATE VEL $\frac{M}{S}$<br>$\frac{IN}{S}$ | MIN OPERATE VEL $\frac{MM}{S}$<br>$\frac{IN}{S}$ | MAX OPERATE FREQUENCY OPS/MIN |
| GL**01E<br>GL**07E                              | SNAP - ACTION CONTACTS SINGLE POLE<br> |                                                                                                                                                           | $\frac{2.5}{0.6}$                      | N/A                                     | $\frac{.5}{19.7}$                               | $\frac{11}{.43}$                                 | 100                           |
| GL**03E<br>GL**33E                              | SLOW ACTING BREAK BEFORE MAKE<br>      |                                                                                                                                                           | $\frac{2.5}{0.6}$                      | N/A                                     | $\frac{.5}{19.7}$                               | $\frac{11}{.43}$                                 | 100                           |
| GL**04E<br>GL**34E                              | SLOW ACTING MAKE BEFORE BREAK<br>      |                                                                                                                                                           | $\frac{2.5}{0.6}$                      | N/A                                     | $\frac{.5}{19.7}$                               | $\frac{11}{.43}$                                 | 100                           |
| GL**05E<br>GL**35E                              | SLOW ACTING<br>                        |                                                                                                                                                           | $\frac{2.5}{0.6}$                      | N/A                                     | $\frac{.5}{19.7}$                               | $\frac{11}{.43}$                                 | 100                           |
| GL**06E<br>GL**36E                              | SLOW ACTING<br>                        |                                                                                                                                                           | $\frac{2.5}{0.6}$                      | N/A                                     | $\frac{.5}{19.7}$                               | $\frac{11}{.43}$                                 | 100                           |
| GL**20E<br>GL**22E<br>GL**24E<br>GL**32E        | SNAP ACTION CONTACTS DOUBLE POLE<br>   |                                                                                                                                                           | $\frac{2.5}{0.6}$                      | N/A                                     | 360                                             | 8                                                | 100                           |

THIRD ANGLE PROJECTION

SCALE -

DO NOT SCALE PRINT

TOLERANCES  
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:  

| DM           | TOL   | DM | TOL   |
|--------------|-------|----|-------|
| NO PLACES    | ±.04  | 1  | ±.04  |
| ONE PLACE    | ±.1   | 2  | ±.04  |
| TWO PLACES   | ±.01  | 3  | ±.01  |
| THREE PLACES | ±.001 | 4  | ±.001 |

DESIGN UNITS  
☒ SI METRIC  
☐ US CUSTOMARY

WEIGHT

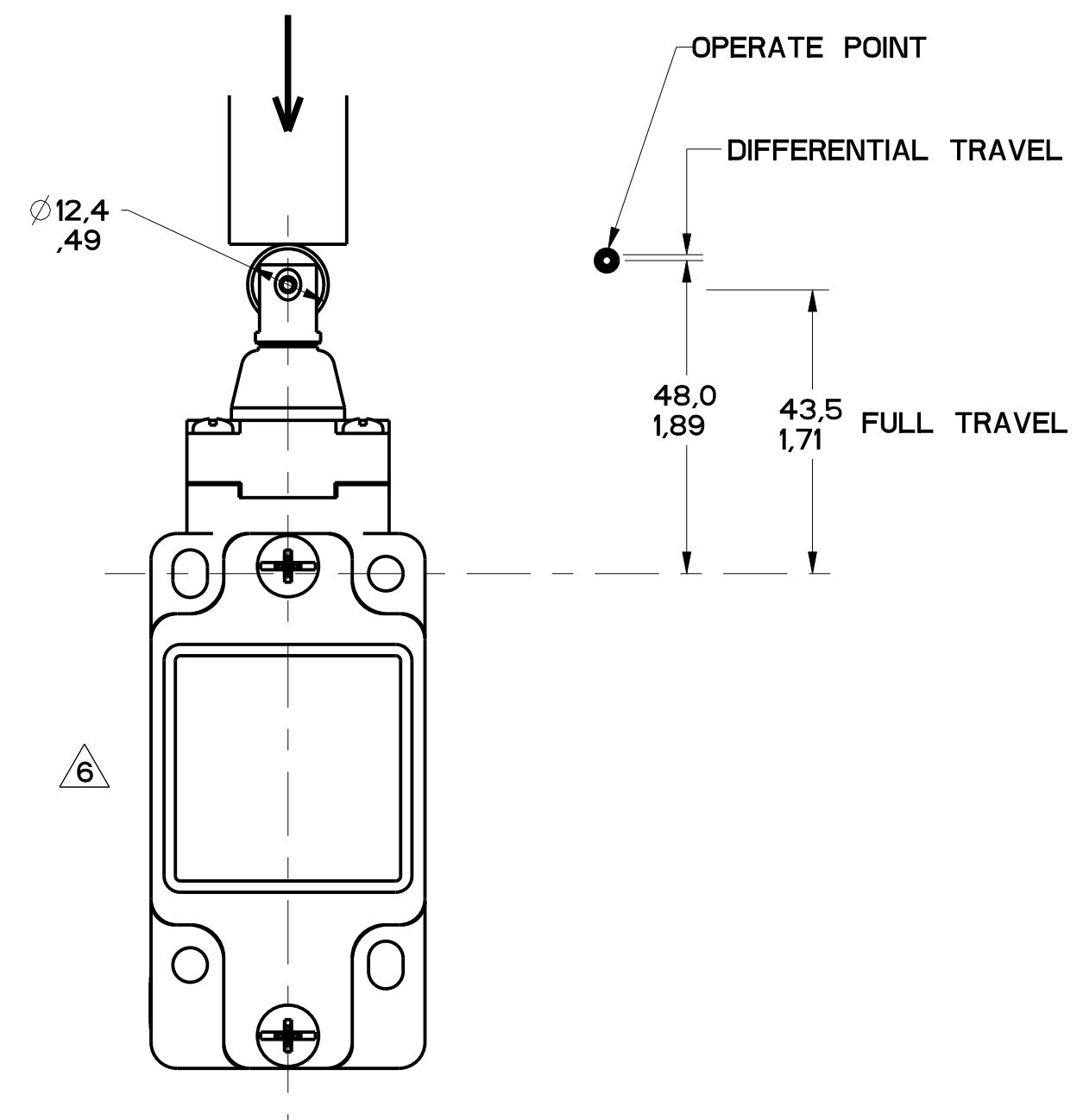


FIGURE 13A

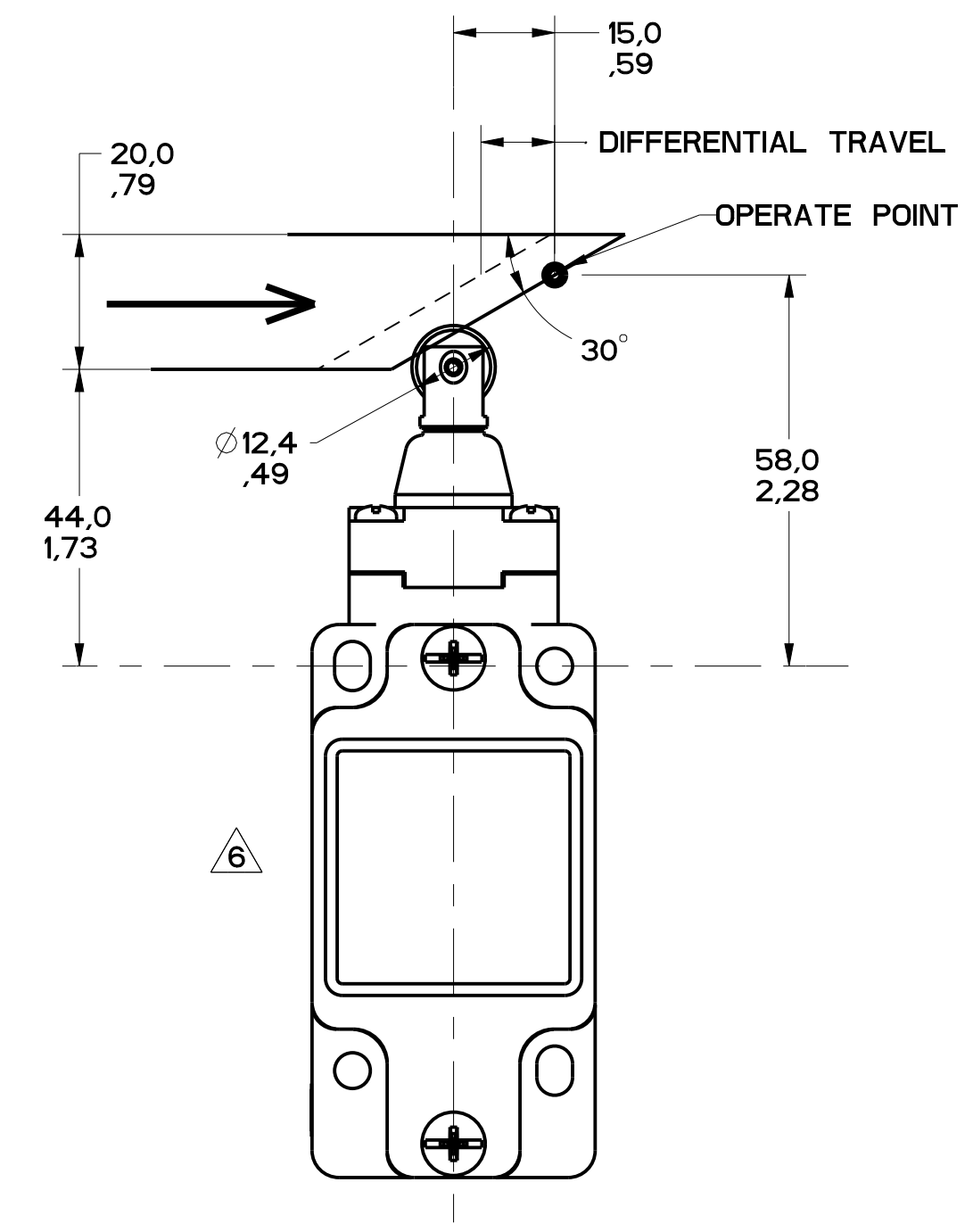


FIGURE 13B

[illegible]

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**MICRO SWITCH**  
a Honeywell Division

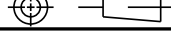
FED. MFG. CODE 91929

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CATALOG LISTING

GL SERIES CHART 1

SWITCH, ENCLOSED

| THIRD ANGLE PROJECTION                                                                                                                                                                                                                      |             |                                                                                                                                                     |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                                                                                                                                        |             |                                                                                                                                                     |                 |
| <div style="font-size: 2em; font-family: serif; letter-spacing: 0.5em;">1:1</div>                                                                                                                                                           |             |                                                                                                                                                     |                 |
| SCALE _____ DO NOT SCALE PRINT                                                                                                                                                                                                              |             |                                                                                                                                                     |                 |
| <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <b>TOLERANCES</b><br/>           APPLY TO DESIGN UNITS, CONVERSIONS ARE ONLY FOR<br/>           REFERENCE, UNLESS NOTED, TOLERANCES ARE:         </div> |             |                                                                                                                                                     |                 |
| FIN<br>DIM                                                                                                                                                                                                                                  | TOL<br>DIM  | FIN<br>H                                                                                                                                            | TOL<br>H/D      |
| NO PLACES X                                                                                                                                                                                                                                 | 1 / 0.04    | 1                                                                                                                                                   | 0.0010          |
| ONE PLACE X                                                                                                                                                                                                                                 | 0.04 / 0.16 | 1                                                                                                                                                   | 0.0010 / 0.0015 |
| TWO PLACES X.X                                                                                                                                                                                                                              | 0.01 / 0.06 | 1.XXX                                                                                                                                               | 0.0010 / 0.005  |
| <div style="font-size: 2em; font-family: serif; letter-spacing: 0.5em;">±</div>                                                                                                                                                             |             |                                                                                                                                                     |                 |
| US METRIC                                                                                                                                                                                                                                   |             | US CUSTOMARY                                                                                                                                        |                 |
| DESIGN UNITS <span style="border: 1px solid black; padding: 5px; display: inline-block; width: 40px; height: 40px; vertical-align: middle;"></span>                                                                                         |             | DESIGN UNITS <span style="border: 1px solid black; padding: 5px; display: inline-block; width: 40px; height: 40px; vertical-align: middle;"></span> |                 |
| WEIGHT _____                                                                                                                                                                                                                                |             |                                                                                                                                                     |                 |



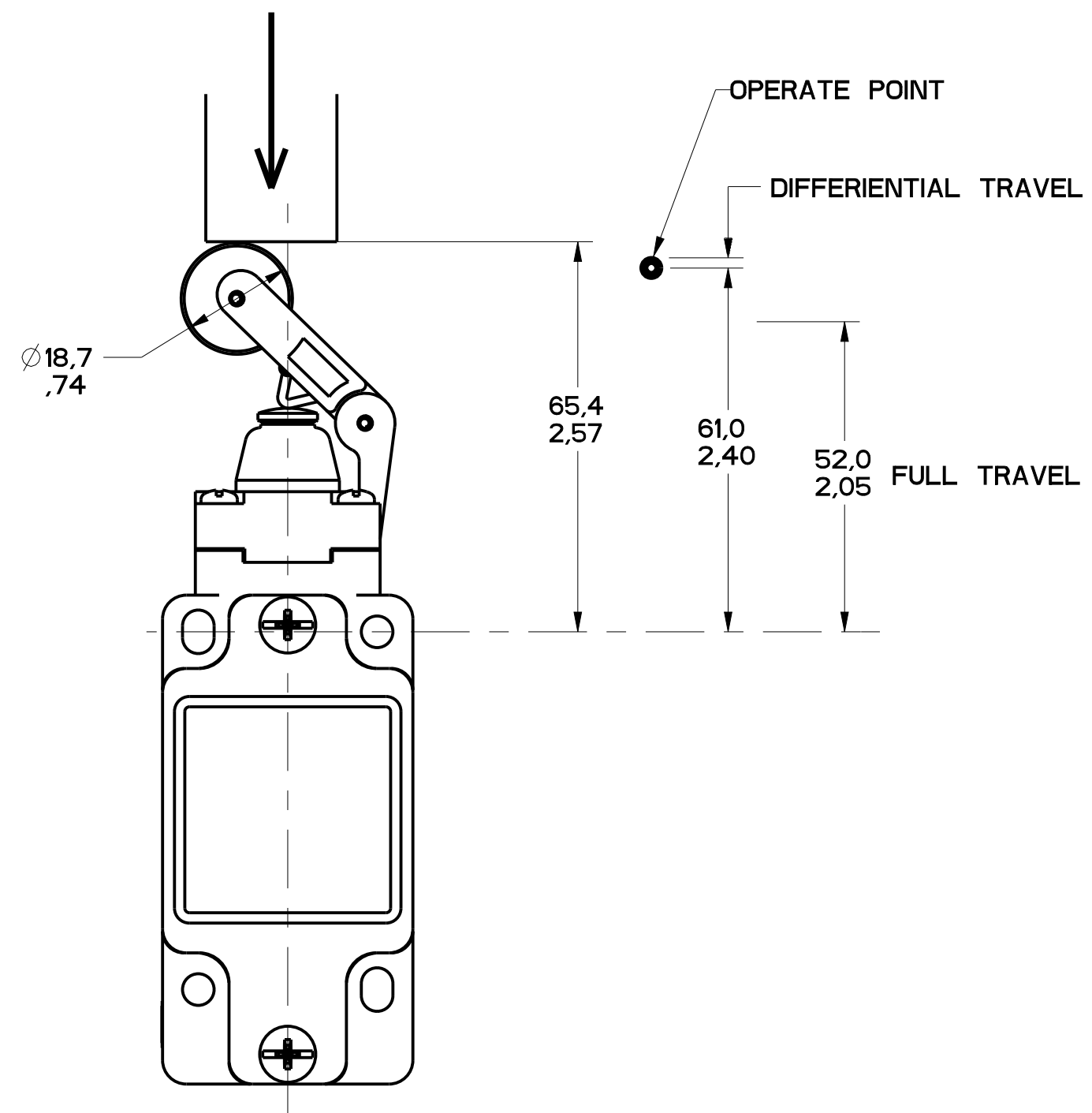


FIGURE 14A

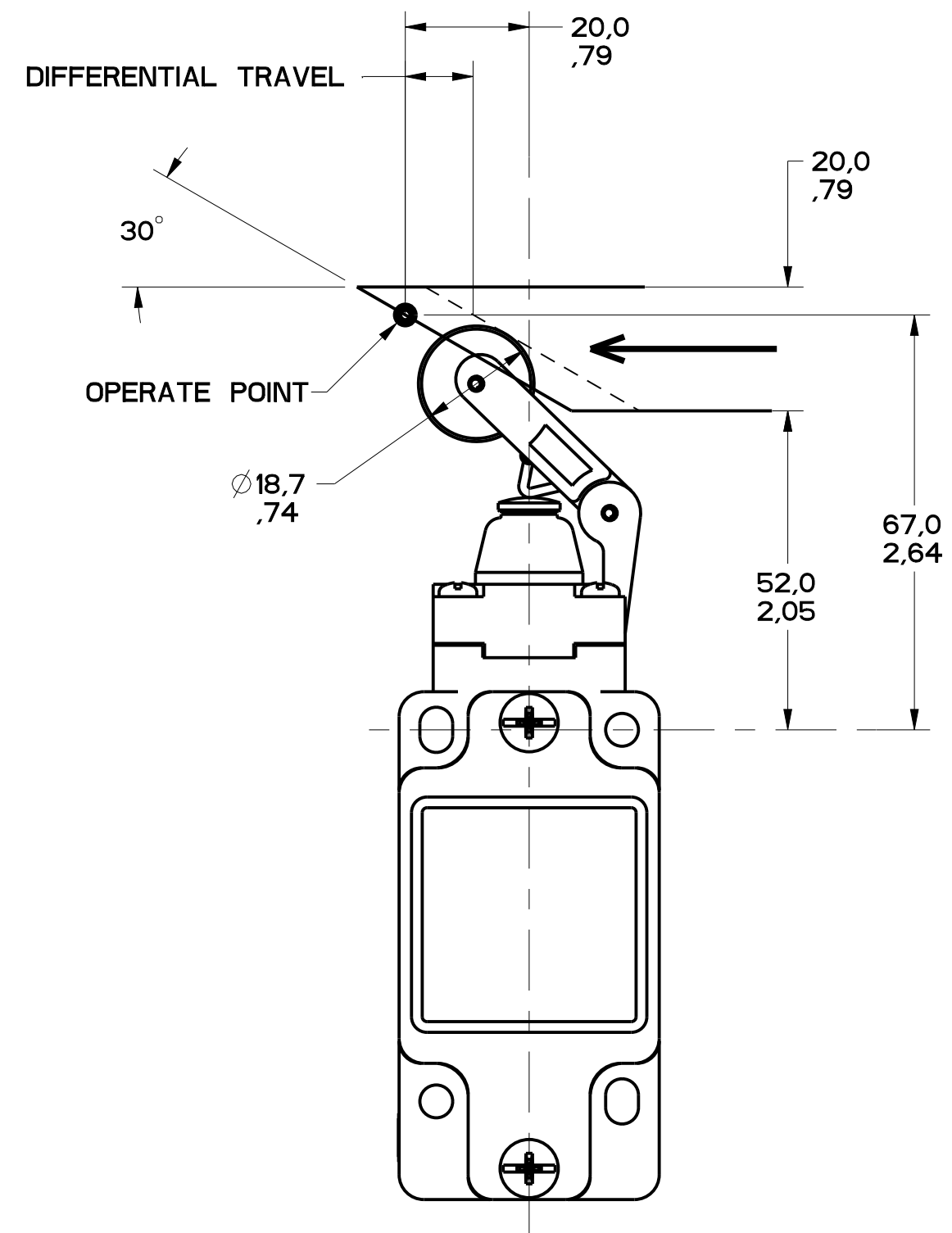


FIGURE 14B

[illegible]

|                                                                                                                                                                                     |  |                         |  |                          |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|--------------------------|--------------|
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| FED. MFG. CODE 91929                                                                                                                                                                |  | CATALOG LISTING         |  |                          |              |
| <b>MICRO SWITCH</b><br>a Honeywell Division                                                                                                                                         |  | <b>SWITCH, ENCLOSED</b> |  | <b>GL SERIES CHART 1</b> |              |
|                                                                                                                                                                                     |  |                         |  | DESIGN UNITS             | US CUSTOMARY |
|                                                                                                                                                                                     |  |                         |  | WEIGHT                   |              |

| FIGURE 14A, TOP ROLLER LEVER HEAD WITH PIN ACTUATION |                                                                     |                                                                                                                                                           |                                    |                                     |                                |                                |                                  |
|------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------|--------------------------------|--------------------------------|----------------------------------|
| CATALOG LISTING                                      | CONTACT BLOCK DIAGRAM                                               | NOMINAL TRAVELS AND RELATED TERMINALS<br>■ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 | MAXIMUM OPERATING FORCE<br>N<br>LB | MAXIMUM DISCONNECT FORCE<br>N<br>LB | MAX OPERATE VEL<br>M/S<br>IN/S | MIN OPERATE VEL<br>M/S<br>IN/S | MAX OPERATE FREQUENCY<br>OPS/MIN |
| GL**01D<br>GL**07D                                   | SNAP - ACTION CONTACTS SINGLE POLE<br>                              | <br>1.7 DIFFERENTIAL TRAVEL                                                                                                                               | $\frac{9.5}{2.1}$                  | $\frac{12}{2.7}$                    | $\frac{0.17}{6.7}$             | $\frac{1.7}{.067}$             | 250                              |
| GL**03D<br>GL**33D                                   | SLOW ACTING BREAK BEFORE MAKE<br>                                   | <br>59.1                                                                                                                                                  | $\frac{9.5}{2.1}$                  | $\frac{12}{2.7}$                    | $\frac{0.17}{6.7}$             | $\frac{1.7}{.067}$             | 250                              |
| GL**04D<br>GL**34D                                   | SLOW ACTING MAKE BEFORE BREAK<br>                                   | <br>61                                                                                                                                                    | $\frac{9.5}{2.1}$                  | $\frac{12}{2.7}$                    | $\frac{0.17}{6.7}$             | $\frac{1.7}{.067}$             | 250                              |
| GL**05D<br>GL**35D                                   | SLOW ACTING<br>                                                     | <br>59.1                                                                                                                                                  | $\frac{9.5}{2.1}$                  | $\frac{12}{2.7}$                    | $\frac{0.17}{6.7}$             | $\frac{1.7}{.067}$             | 250                              |
| GL**06D<br>GL**36D                                   | SLOW ACTING<br>                                                     | <br>61                                                                                                                                                    | $\frac{9.5}{2.1}$                  | $\frac{12}{2.7}$                    | $\frac{0.17}{6.7}$             | $\frac{1.7}{.067}$             | 250                              |
| GL**20D<br>GL**22D<br>GL**24D<br>GL**32D             | SNAP ACTION CONTACTS DOUBLE POLE<br>                                | <br>1.7 DIFFERENTIAL TRAVEL                                                                                                                               | $\frac{9.5}{2.1}$                  | $\frac{16.4}{3.7}$                  | $\frac{0.17}{6.7}$             | $\frac{1.7}{.067}$             | 250                              |
| GL**21D<br>GL**25D<br>GL**28D<br>GL**31D             | STEP 1<br>STEP 2<br>SNAP ACTION CONTACTS DOUBLE POLE SEQUENTIAL<br> | <br>1.6 DIFFERENTIAL TRAVEL                                                                                                                               | $\frac{9.5}{2.1}$                  | N/A                                 | $\frac{0.17}{6.7}$             | $\frac{1.7}{.067}$             | 250                              |

| FIGURE 14B, TOP ROLLER LEVER HEAD WITH CAM ACTUATION |                                                                     |                                                                                                                                                           |                                    |                                     |                                |                                |                                  |
|------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------|--------------------------------|--------------------------------|----------------------------------|
| CATALOG LISTING                                      | CONTACT BLOCK DIAGRAM                                               | NOMINAL TRAVELS AND RELATED TERMINALS<br>■ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1 | MAXIMUM OPERATING FORCE<br>N<br>LB | MAXIMUM DISCONNECT FORCE<br>N<br>LB | MAX OPERATE VEL<br>M/S<br>IN/S | MIN OPERATE VEL<br>M/S<br>IN/S | MAX OPERATE FREQUENCY<br>OPS/MIN |
| GL**01D<br>GL**07D                                   | SNAP - ACTION CONTACTS SINGLE POLE<br>                              | <br>4.1 DIFFERENTIAL TRAVEL                                                                                                                               | $\frac{5.5}{1.2}$                  | $\frac{7.0}{1.6}$                   | $\frac{0.29}{11.4}$            | $\frac{2.9}{.11}$              | 250                              |
| GL**03D<br>GL**33D                                   | SLOW ACTING BREAK BEFORE MAKE<br>                                   | <br>24.1                                                                                                                                                  | $\frac{5.5}{1.2}$                  | $\frac{7.0}{1.6}$                   | $\frac{0.29}{11.4}$            | $\frac{2.9}{.11}$              | 250                              |
| GL**04D<br>GL**34D                                   | SLOW ACTING MAKE BEFORE BREAK<br>                                   | <br>20                                                                                                                                                    | $\frac{5.5}{1.2}$                  | $\frac{9.6}{2.2}$                   | $\frac{0.29}{11.4}$            | $\frac{2.9}{.11}$              | 250                              |
| GL**05D<br>GL**35D                                   | SLOW ACTING<br>                                                     | <br>24.1                                                                                                                                                  | $\frac{5.5}{1.2}$                  | $\frac{7.0}{1.6}$                   | $\frac{0.29}{11.4}$            | $\frac{2.9}{.11}$              | 250                              |
| GL**06D<br>GL**36D                                   | SLOW ACTING<br>                                                     | <br>20                                                                                                                                                    | $\frac{5.5}{1.2}$                  | $\frac{7.0}{1.6}$                   | $\frac{0.29}{11.4}$            | $\frac{2.9}{.11}$              | 250                              |
| GL**20D<br>GL**22D<br>GL**24D<br>GL**32D             | SNAP ACTION CONTACTS DOUBLE POLE<br>                                | <br>4.1 DIFFERENTIAL TRAVEL                                                                                                                               | $\frac{5.5}{1.2}$                  | $\frac{7.0}{1.6}$                   | $\frac{0.29}{11.4}$            | $\frac{2.9}{.11}$              | 250                              |
| GL**21D<br>GL**25D<br>GL**28D<br>GL**31D             | STEP 1<br>STEP 2<br>SNAP ACTION CONTACTS DOUBLE POLE SEQUENTIAL<br> | <br>3.7 DIFFERENTIAL TRAVEL                                                                                                                               | $\frac{5.5}{1.2}$                  | N/A                                 | $\frac{0.29}{11.4}$            | $\frac{2.9}{.11}$              | 250                              |

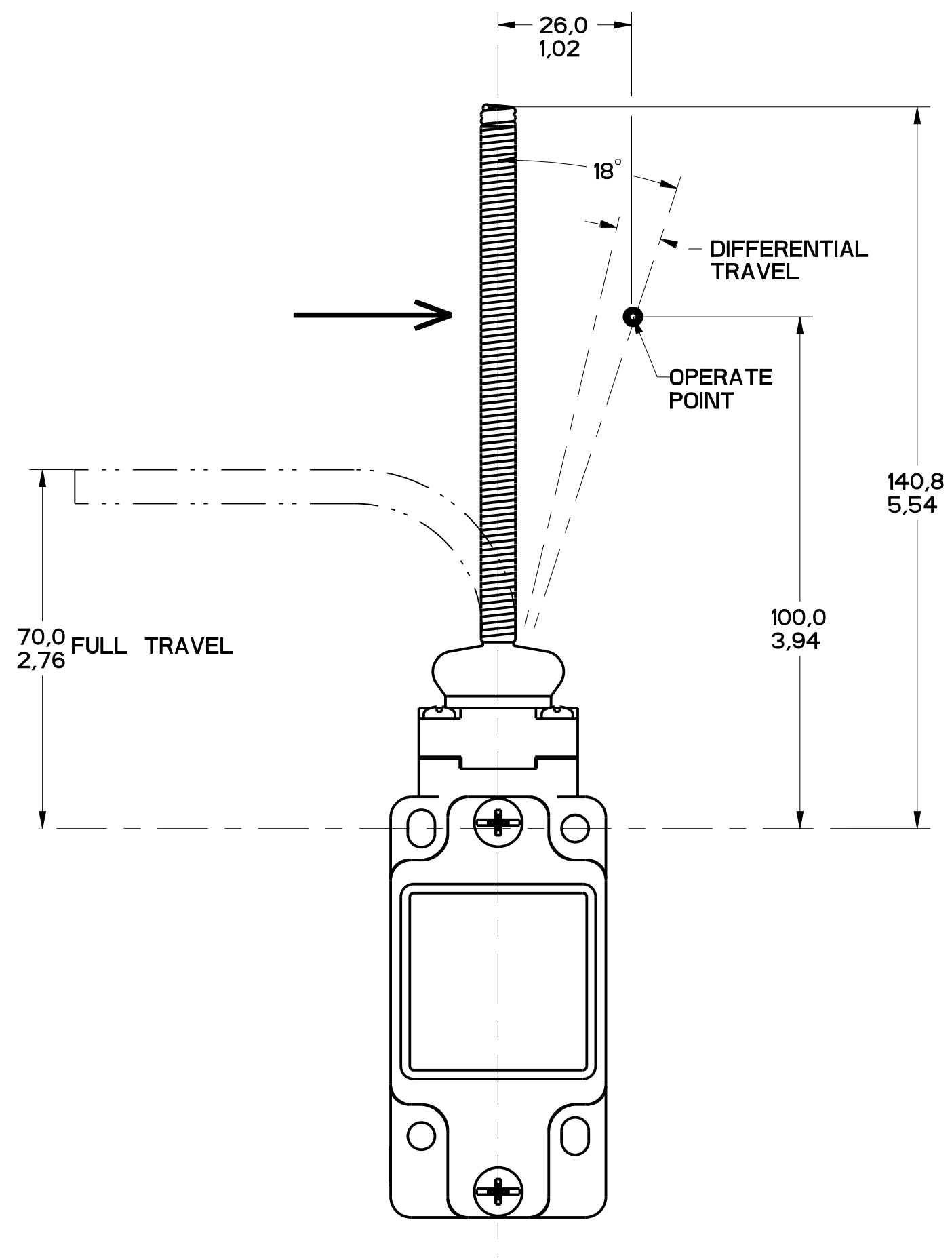


FIGURE 15

[illegible]

|                                                                                                                                                                                     |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|--------------|--------------------------------------------------|--------------------------|--------|------|---|---|-----------|---|------|-------|-----------|------|----------|----------|------------|------|----------|-------|--------------|--|--|-----------|--------|--|-----|-----------|
| 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. |                          | <table><tr><td>DIM</td><td>TOL</td><td>DIM</td><td>TOL</td></tr><tr><td>mm</td><td>mm/2</td><td>"</td><td>"</td></tr><tr><td>NO PLACES</td><td>3</td><td>1/64</td><td>±.001</td></tr><tr><td>ONE PLACE</td><td>X, X</td><td>0.01/016</td><td>0.001/01</td></tr><tr><td>TWO PLACES</td><td>X, X</td><td>0.15/506</td><td>0.001</td></tr><tr><td>THREE PLACES</td><td></td><td></td><td>0.001/005</td></tr><tr><td>ANGLES</td><td></td><td>±2°</td><td>0.137/005</td></tr></table> |           | DIM       | TOL          | DIM                                              | TOL                      | mm     | mm/2 | " | " | NO PLACES | 3 | 1/64 | ±.001 | ONE PLACE | X, X | 0.01/016 | 0.001/01 | TWO PLACES | X, X | 0.15/506 | 0.001 | THREE PLACES |  |  | 0.001/005 | ANGLES |  | ±2° | 0.137/005 |
| DIM                                                                                                                                                                                 | TOL                      | DIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TOL       |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| mm                                                                                                                                                                                  | mm/2                     | "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | "         |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| NO PLACES                                                                                                                                                                           | 3                        | 1/64                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ±.001     |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| ONE PLACE                                                                                                                                                                           | X, X                     | 0.01/016                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.001/01  |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| TWO PLACES                                                                                                                                                                          | X, X                     | 0.15/506                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.001     |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| THREE PLACES                                                                                                                                                                        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.001/005 |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| ANGLES                                                                                                                                                                              |                          | ±2°                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.137/005 |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| FED. MFG. CODE 91929                                                                                                                                                                |                          | CATALOG LISTING                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| <div><b>MICRO SWITCH</b><br/>a Honeywell Division</div>                                        |                          | <div><b>SWITCH, ENCLOSED</b></div> <div><b>GL SERIES CHART 1</b></div>                                                                                                                                                                                                                                                                                                                                                                                                           |           |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
|                                                                                                                                                                                     |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
|                                                                                                                                                                                     |                          | <table><tr><td>SI METRIC</td><td>US CUSTOMARY</td></tr><tr><td>DESIGN UNITS <input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td colspan="2">WEIGHT</td></tr></table>                                                                                                                                                                                                                                                                           |           | SI METRIC | US CUSTOMARY | DESIGN UNITS <input checked="" type="checkbox"/> | <input type="checkbox"/> | WEIGHT |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| SI METRIC                                                                                                                                                                           | US CUSTOMARY             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| DESIGN UNITS <input checked="" type="checkbox"/>                                                                                                                                    | <input type="checkbox"/> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |
| WEIGHT                                                                                                                                                                              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |           |              |                                                  |                          |        |      |   |   |           |   |      |       |           |      |          |          |            |      |          |       |              |  |  |           |        |  |     |           |

| FIGURE 15, CAT WISKER HEAD, ANGULAR ACTUATION |                                        |                                                                                                                       |                                                          |                                                           |                      |                               |                             |
|-----------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------|-------------------------------|-----------------------------|
| CATALOG LISTING                               | CONTACT BLOCK DIAGRAM                  | NOMINAL TRAVELS AND RELATED TERMINALS<br>■ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL | MAXIMUM OPERATING TORQUE $\frac{N \cdot m}{LB \cdot IN}$ | MAXIMUM DISCONNECT TORQUE $\frac{N \cdot m}{LB \cdot IN}$ | MAX OPERATE DEGREE/S | MIN OPERATE VELOCITY DEGREE/S | MAX OPERATE RATE CYCLES/MIN |
| GL**01K<br>GL**07K                            | SNAP - ACTION CONTACTS SINGLE POLE<br> | <br>18°<br>8° DIFFERENTIAL TRAVEL                                                                                     | $\frac{0.1}{.9}$                                         | N/A                                                       | 360                  | 8                             | 100                         |
| GL**03K<br>GL**33K                            | SLOW ACTING BREAK BEFORE MAKE<br>      | <br>18°<br>25                                                                                                         | $\frac{0.1}{.9}$                                         | N/A                                                       | 360                  | 8                             | 100                         |
| GL**04K<br>GL**34K                            | SLOW ACTING MAKE BEFORE BREAK<br>      | <br>25°<br>18°                                                                                                        | $\frac{0.1}{.9}$                                         | N/A                                                       | 360                  | 8                             | 100                         |
| GL**05K<br>GL**35K                            | SLOW ACTING<br>                        | <br>25°                                                                                                               | $\frac{0.1}{.9}$                                         | N/A                                                       | 360                  | 8                             | 100                         |
| GL**06K<br>GL**36K                            | SLOW ACTING<br>                        | <br>18°                                                                                                               | $\frac{0.1}{.9}$                                         | N/A                                                       | 360                  | 8                             | 100                         |
| GL**20K<br>GL**22K<br>GL**24K<br>GL**32K      | SNAP ACTION CONTACTS DOUBLE POLE<br>   | <br>18°<br>8° DIFFERENTIAL TRAVEL                                                                                     | $\frac{0.1}{.9}$                                         | N/A                                                       | 360                  | 8                             | 100                         |

| FIGURE 15, CAT WISKER HEAD, SIDE ACTUATION AT 100mm |                                        |                                                                                                                       |                                        |                                         |                                    |                                     |                               |
|-----------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|------------------------------------|-------------------------------------|-------------------------------|
| CATALOG LISTING                                     | CONTACT BLOCK DIAGRAM                  | NOMINAL TRAVELS AND RELATED TERMINALS<br>■ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL | MAXIMUM OPERATING FORCE $\frac{N}{LB}$ | MAXIMUM DISCONNECT FORCE $\frac{N}{LB}$ | MAX OPERATE VEL $\frac{M/S}{IN/S}$ | MIN OPERATE VEL $\frac{mm/S}{IN/S}$ | MAX OPERATE FREQUENCY OPS/MIN |
| GL**01K<br>GL**07K                                  | SNAP - ACTION CONTACTS SINGLE POLE<br> | <br>26<br>12 DIFFERENTIAL TRAVEL                                                                                      | $\frac{1.3}{.3}$                       | N/A                                     | $\frac{.5}{19.7}$                  | $\frac{11}{.43}$                    | 100                           |
| GL**03K<br>GL**33K                                  | SLOW ACTING BREAK BEFORE MAKE<br>      | <br>26.5 38.1                                                                                                         | $\frac{1.3}{0.3}$                      | N/A                                     | $\frac{.5}{19.7}$                  | $\frac{11}{.43}$                    | 100                           |
| GL**04K<br>GL**34K                                  | SLOW ACTING MAKE BEFORE BREAK<br>      | <br>26.5 38.1                                                                                                         | $\frac{1.3}{0.3}$                      | N/A                                     | $\frac{.5}{19.7}$                  | $\frac{11}{.43}$                    | 100                           |
| GL**05K<br>GL**35K                                  | SLOW ACTING<br>                        | <br>38.1                                                                                                              | $\frac{1.3}{0.3}$                      | N/A                                     | $\frac{.5}{19.7}$                  | $\frac{11}{.43}$                    | 100                           |
| GL**06K<br>GL**36K                                  | SLOW ACTING<br>                        | <br>26.5                                                                                                              | $\frac{1.3}{0.3}$                      | N/A                                     | $\frac{.5}{19.7}$                  | $\frac{11}{.43}$                    | 100                           |
| GL**20K<br>GL**22K<br>GL**24K<br>GL**32K            | SNAP ACTION CONTACTS DOUBLE POLE<br>   | <br>26<br>12 DIFFERENTIAL TRAVEL                                                                                      | $\frac{1.3}{0.3}$                      | N/A                                     | $\frac{.5}{19.7}$                  | $\frac{11}{.43}$                    | 100                           |



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Электрон  
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