

SIDE ROTARY

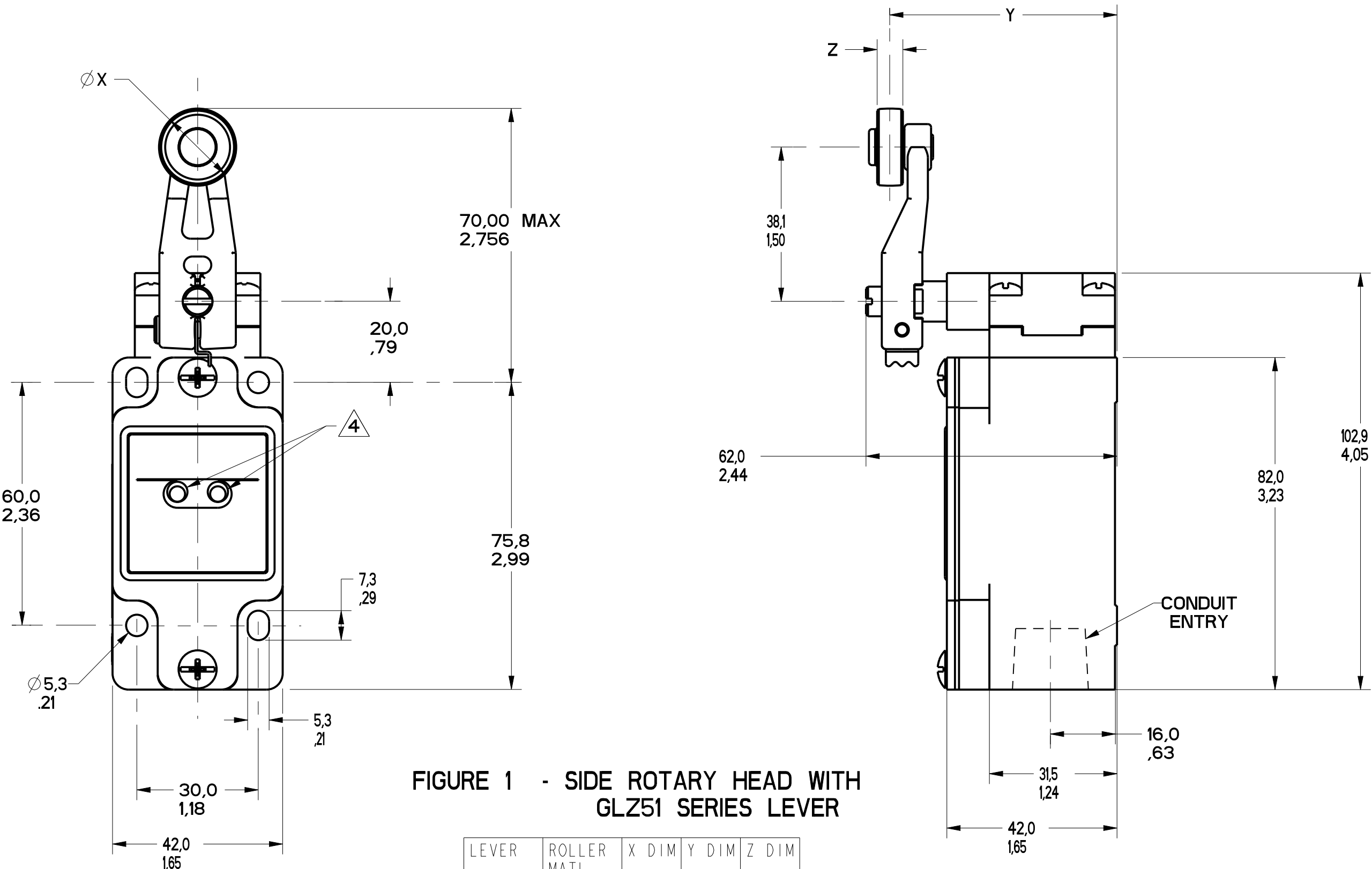


FIGURE 1 - SIDE ROTARY HEAD WITH GLZ51 SERIES LEVER

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

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

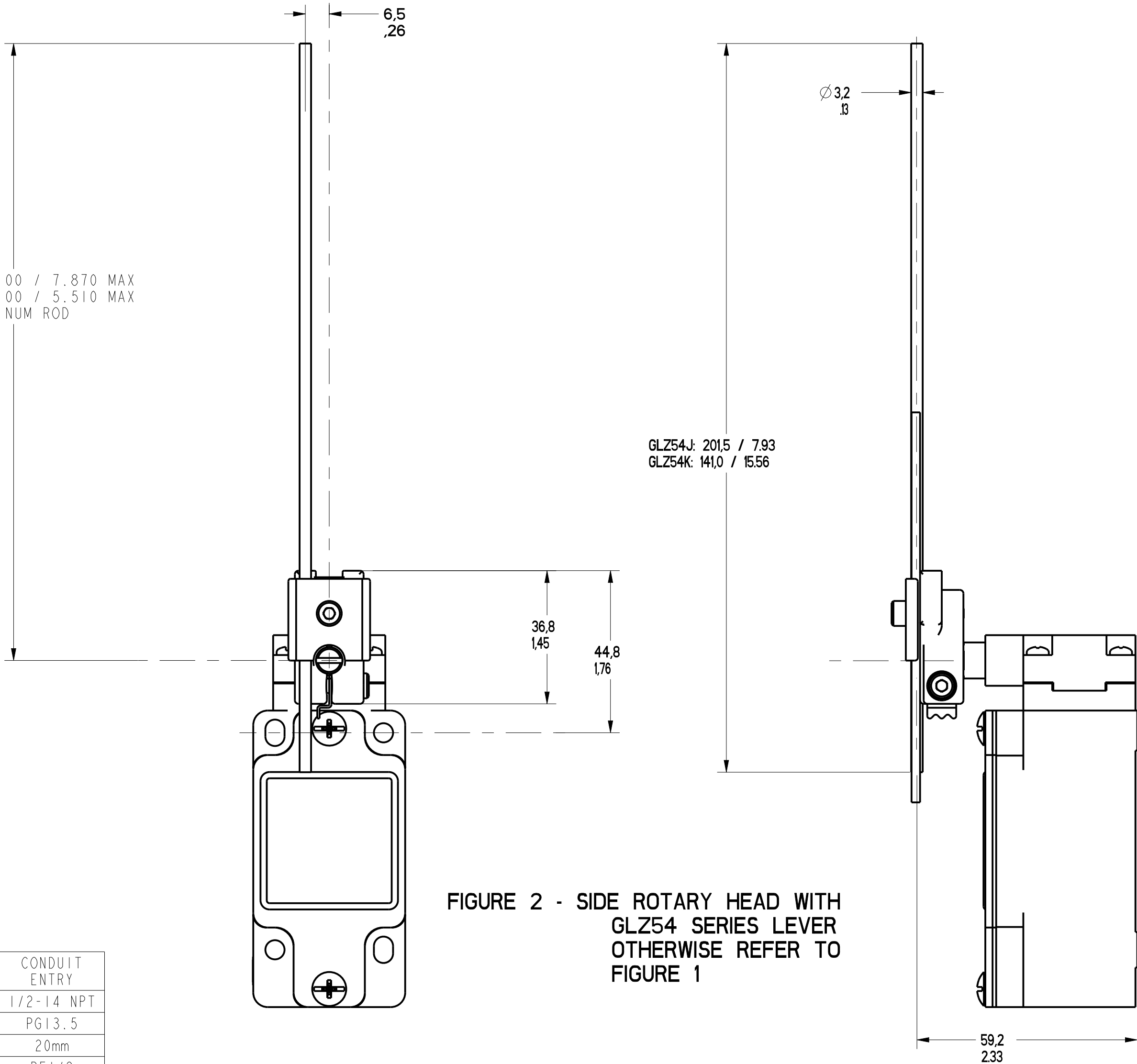


FIGURE 2 - SIDE ROTARY HEAD WITH GLZ54 SERIES LEVER OTHERWISE REFER TO FIGURE 1

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		5 8		GOLD PLATED CONTACTS
AC		DC		
A600 U _e	AC15 I _e	Q300 U _e	DC13 I _e	
(VOLTS)	(AMPS)	(VOLTS)	(AMPS)	1V 10μA MIN 50V 100mA MAX
120	6	24	2.8	
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*	I	1	8
GL***A2*	I	3	9
GL***A4*	I	2	10
GL***A5*	I		8
GL***B	I	4	11
GL***C	I	5	13A, 13B
GL***D	I	6	14A, 14B
GL***E7A	I	7A	12
GL***E7B	I	7	12
GL***E7C	I	7E	15
GL***E7D	I	7B	12
GL***K8A	I	7C	15
GL***K8B	I	7D	15
GL***K8C	I	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 .75	65.9 2.59	6.4 .25
GLZ52B	STEEL	19.1 .75	65.9 2.59	6.4 .25
GLZ52D	NYLON	38.1 1.5	65.9 2.59	6.4 .25
GLZ52E	NYLON	19.1 .75	79.37 3.125	33.07 1.300
GLZ52W	RUBBER	40.0 1.6	71.5 2.81	12.7 .5
GLZ52Y	RUBBER	50.0 1.97	68.8 2.71	10.0 .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_e 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_e 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		GL SERIES CHART 1	
MICRO SWITCH a Honeywell Division		SWITCH, ENCLOSED	

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			
NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES	SI METRIC X X.X X.XX ±.2	TOL 0.04 0.015 0.151, .006 ±.2	US CUSTOMARY X X.X X.XX ±.005 ±.01 ±.015, .005
DESIGN UNITS			
WEIGHT			

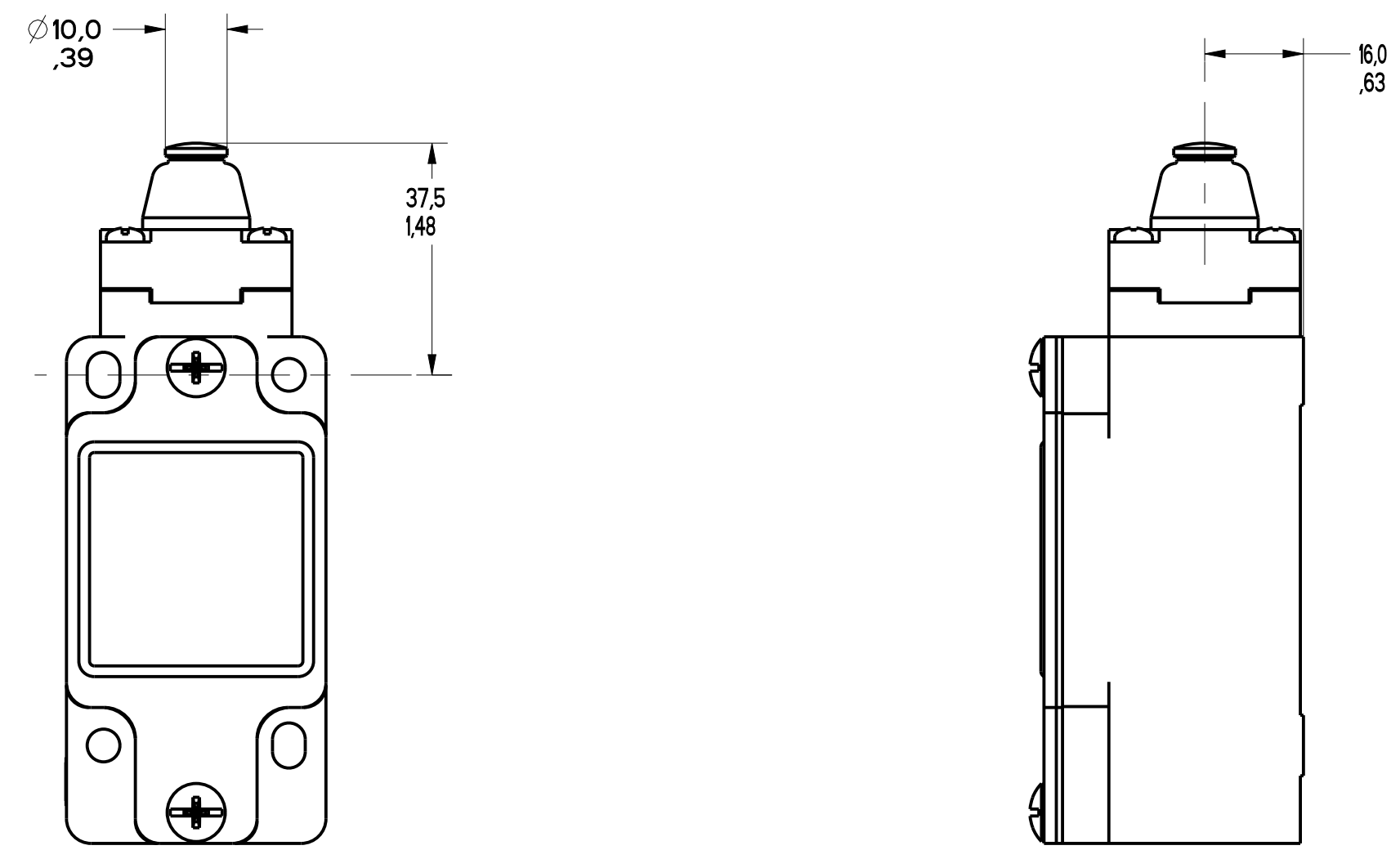


FIGURE 4 - TOP PIN PLUNGER HEAD
OTHERWISE REFER TO
FIGURE 1

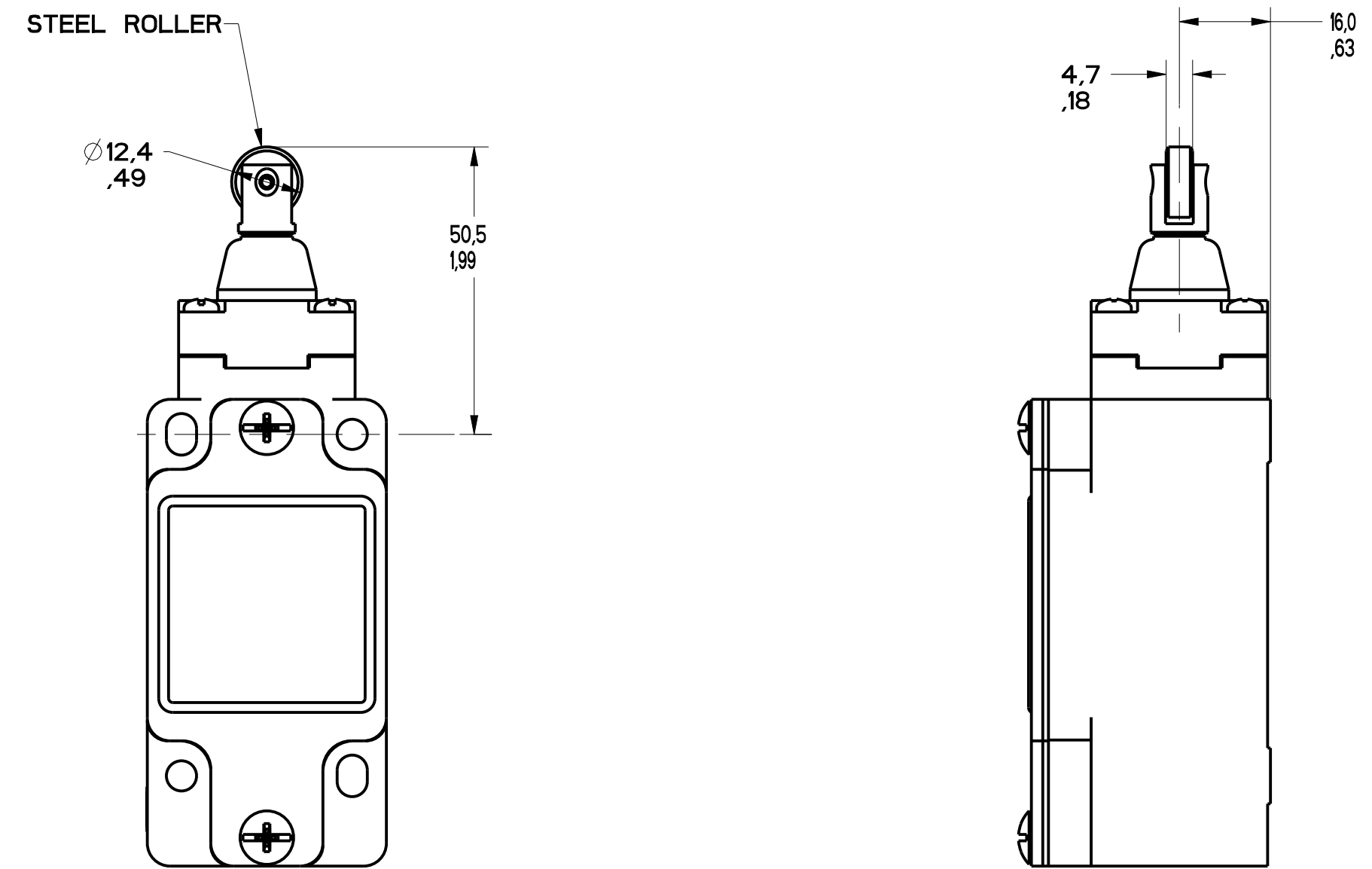


FIGURE 5 - TOP ROLLER PLUNGER HEAD
OTHERWISE REFER TO
FIGURE 1

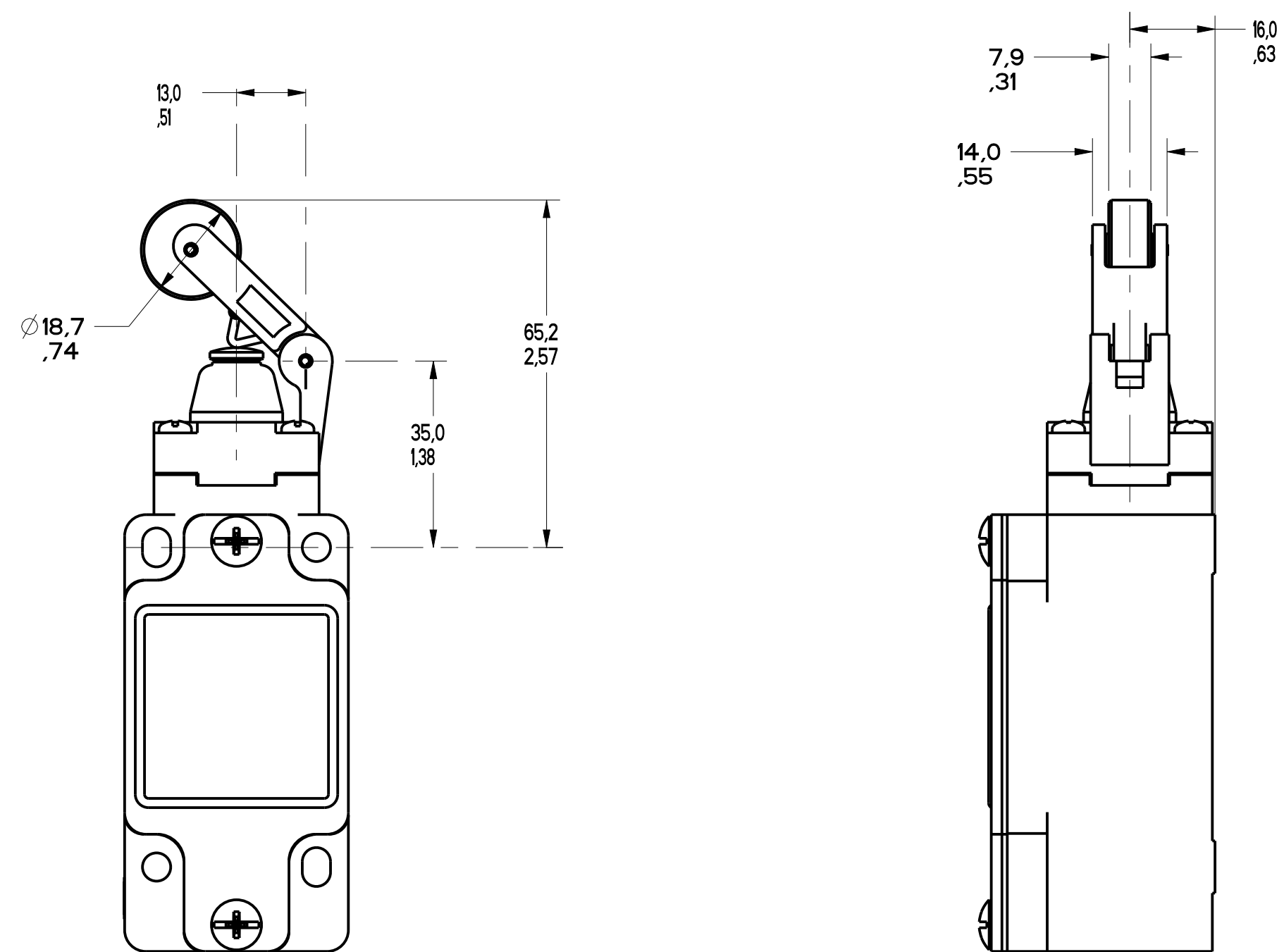


FIGURE 6 - TOP LEVER HEAD,
OTHERWISE REFER TO
FIGURE 1

[illegible]

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FED. MFG. CODE 91929		CATALOG LISTING	
		GL SERIES CHART 1	
		WEIGHT	
			

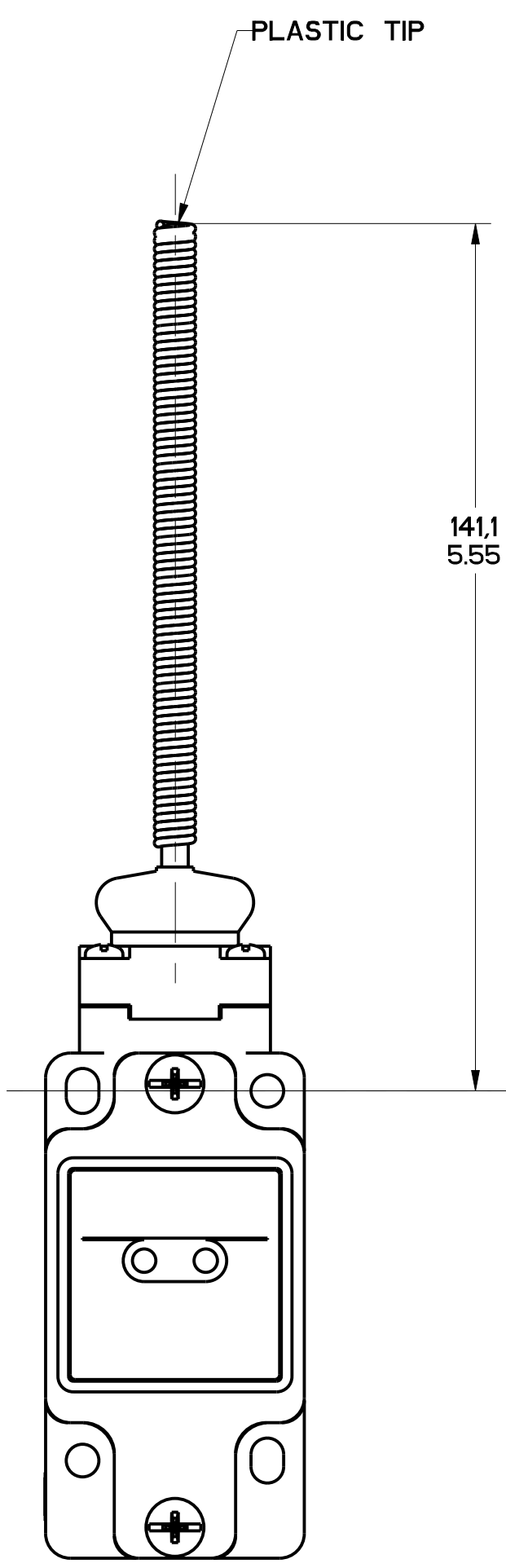


FIGURE 7 - WOBBLE HEAD, AND CAT WISKER HEAD COIL ACTUATOR, OTHERWISE REFER TO FIGURE 1

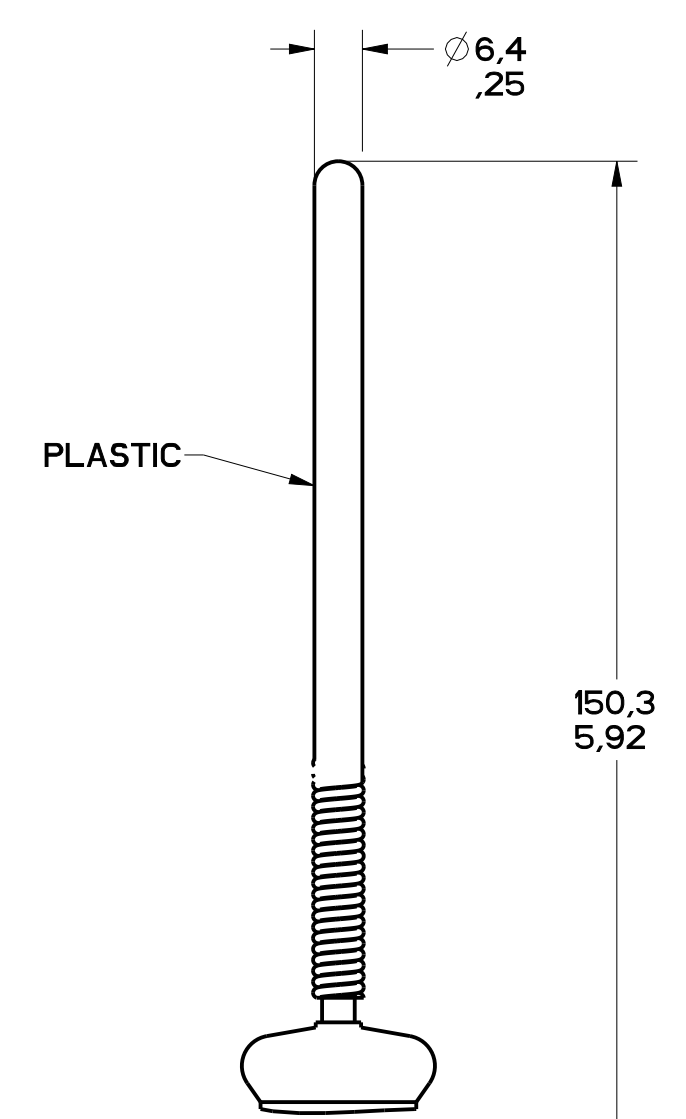


FIGURE 7A - WOBBLE HEAD, PLASTIC ACTUATOR, OTHERWISE SAME AS FIGURE 7

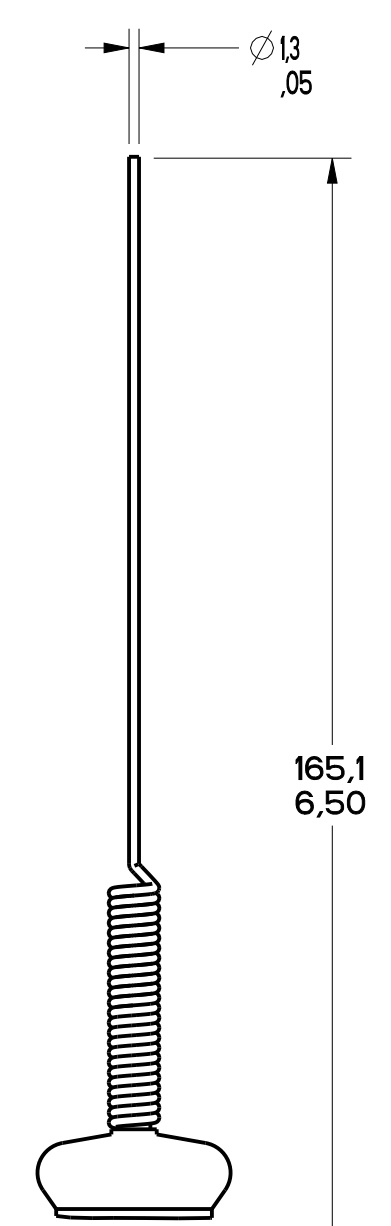


FIGURE 7B - WOBBLE HEAD, STAINLESS STEEL SPRING ACTUATOR, OTHERWISE SAME AS FIGURE 7

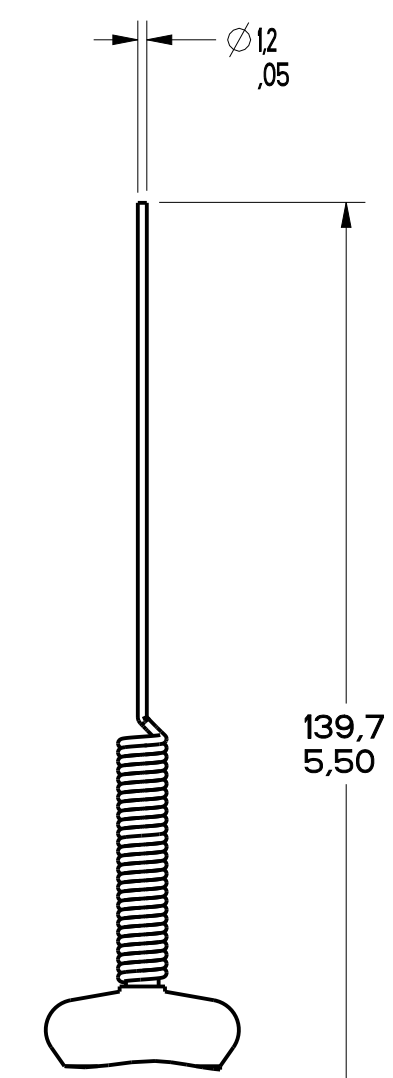


FIGURE 7C - CAT WHISKER ACTUATOR, STAINLESS STEEL SPRING, OTHERWISE SAME AS FIGURE 7

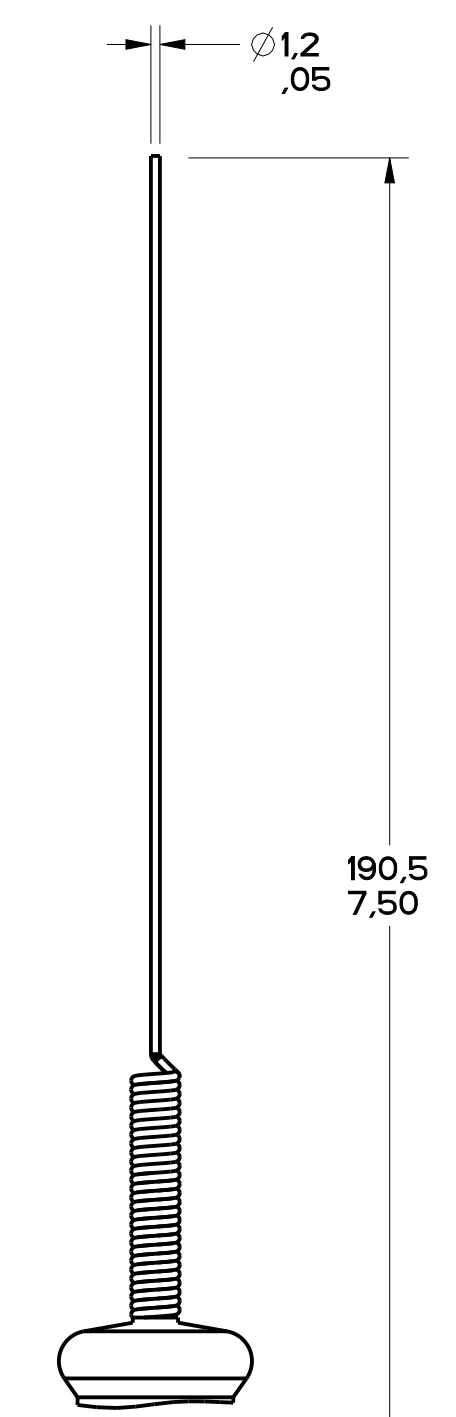


FIGURE 7D - CAT WHISKER ACTUATOR, STAINLESS STEEL SPRING, OTHERWISE SAME AS FIGURE 7

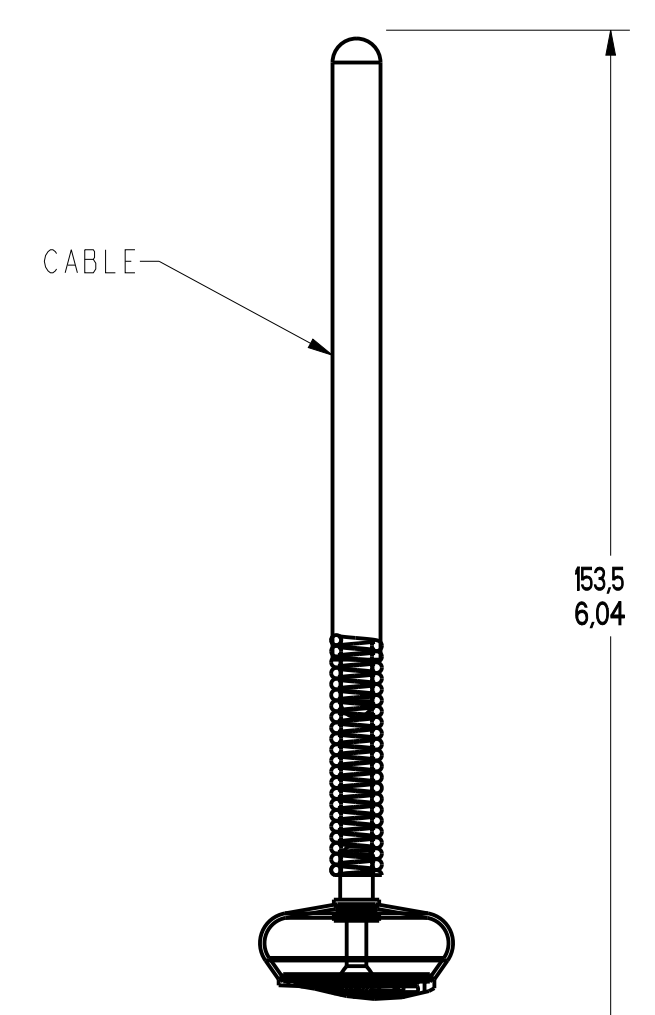


FIGURE 7E - CABLE WOBBLE ACTUATOR, OTHERWISE SAME AS FIGURE 7

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FED. MFG. CODE 91929		GL SERIES CHART 1	
MICRO SWITCH a Honeywell Division		SWITCH, ENCLOSED	
DESIGN UNITS		WEIGHT	
NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES		SI METRIC ☒	
NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES		US CUSTOMARY ☐	

DRAWING NUMBER		PAGE 3 OF 13		RELEASE NO. PR-21557		REPLACES	
16		CMH		CMH		CMH	
REVISIONS		CHECK		CHECK		CHECK	
A		00050401		01		JUN03	
B		00022886		20 JAN04		0023759	
C		0740606		037216		081508	
D		0043629		050508		050508	
E		0048605		0072809		0072809	
F		0072809		0072809		0072809	
G		0072809		0072809		0072809	
H		0072809		0072809		0072809	
I		0072809		0072809		0072809	
J		0072809		0072809		0072809	
K		0072809		0072809		0072809	
L		0072809		0072809		0072809	
M		0072809		0072809		0072809	
N		0072809		0072809		0072809	
O		0072809		0072809		0072809	
P		0072809		0072809		0072809	
Q		0072809		0072809		0072809	
R		0072809		0072809		0072809	
S		0072809		0072809		0072809	
T		0072809		0072809		0072809	
U		0072809		0072809		0072809	
V		0072809		0072809		0072809	
W		0072809		0072809		0072809	
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Y		0072809		0072809		0072809	
Z		0072809		0072809		0072809	

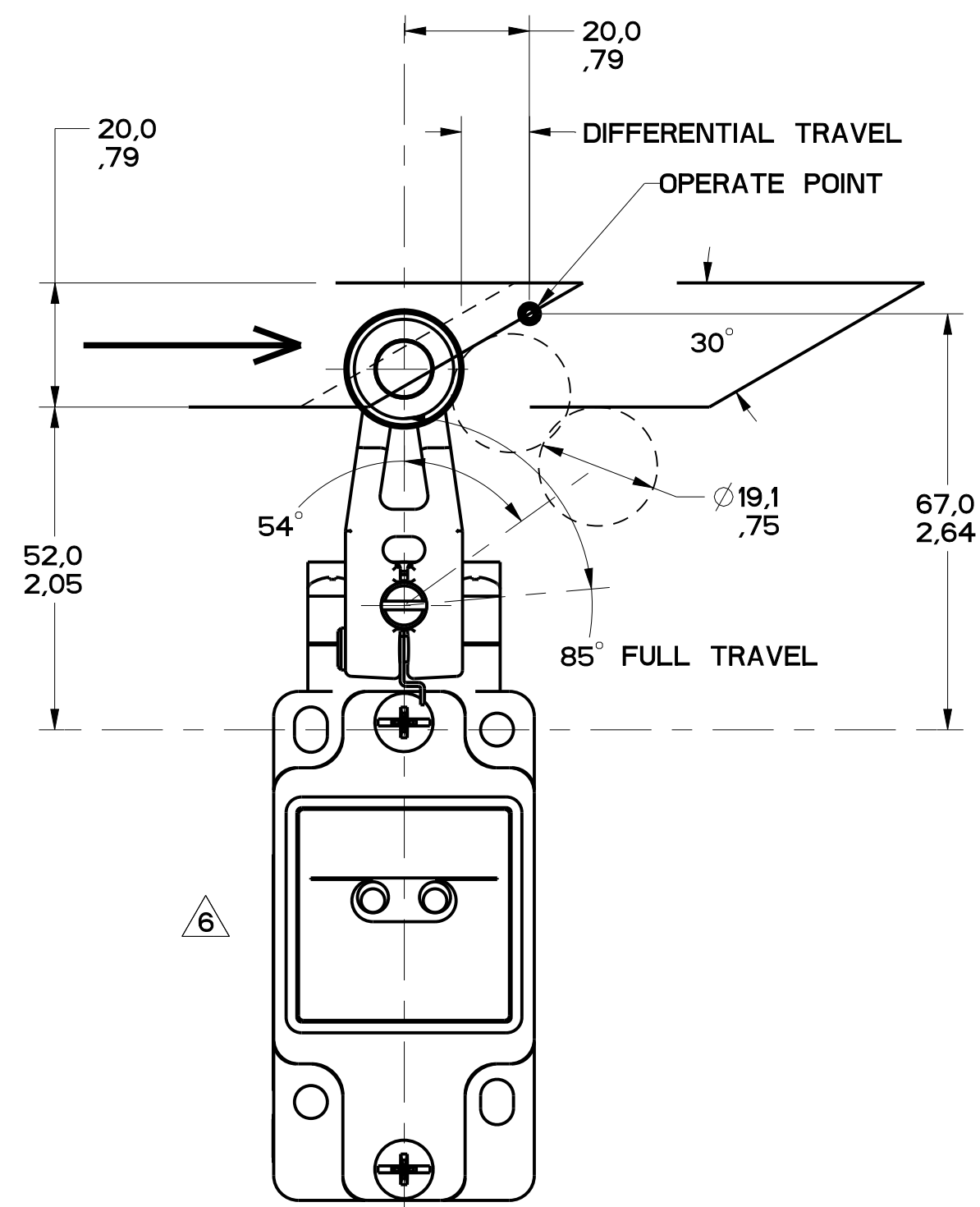


FIGURE 8

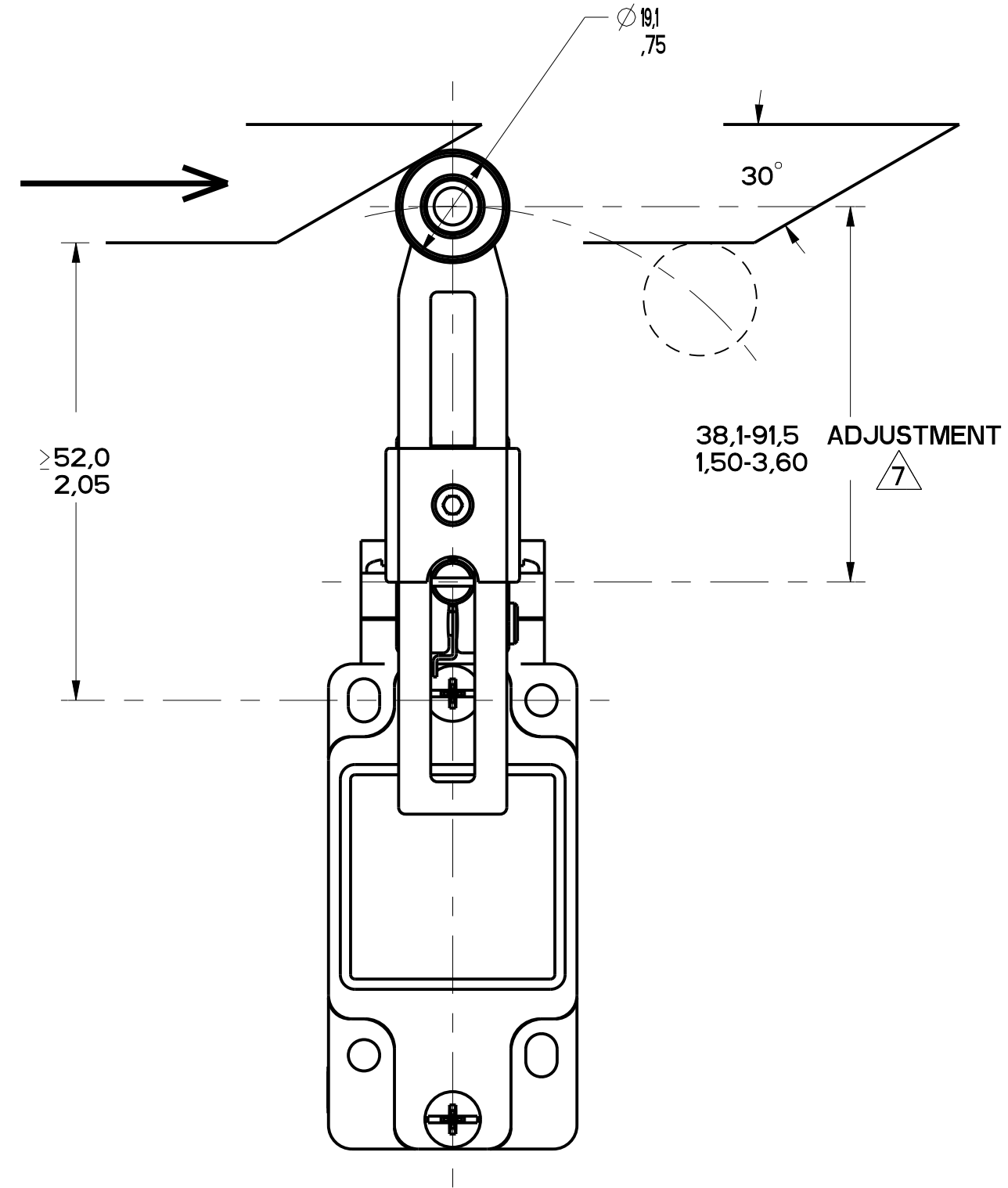


FIGURE 9

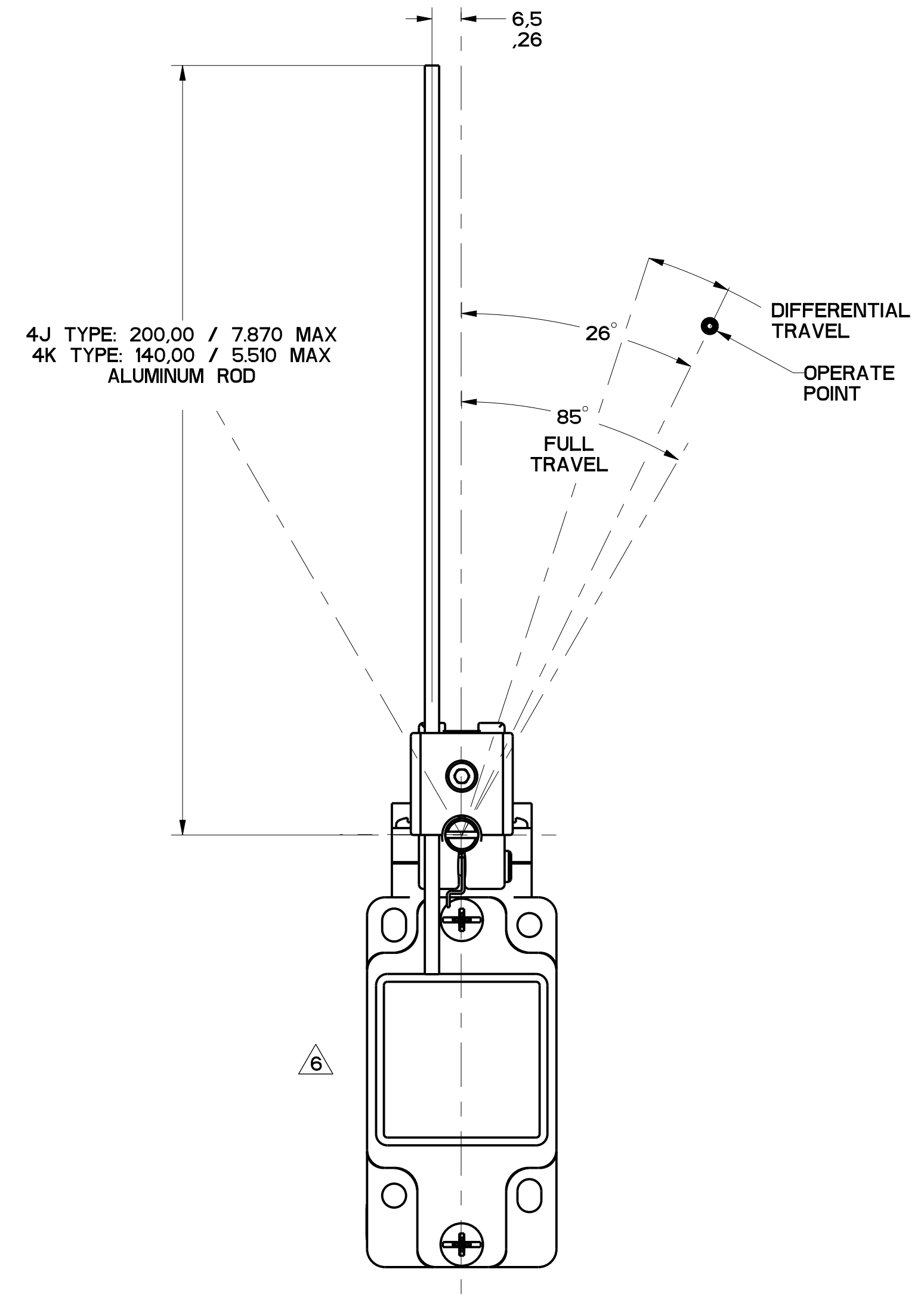


FIGURE 10

P.T.C./CAD	DRAWN	SA VI 27MAR96	CHECK	DWM	07AUG96	CHECK	CNH	05OCT90	CHECK	CNH	12OCT92	CHECK	CNH	12OCT92	RELEASE NO	PR-20782	REMARKS	MGL SERIES CHART 1	DRAWING NUMBER	16	ISSUE	REVISONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
																						T	0000401	R	00003759	G	002986	Z	27JUN93	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R	0004051	G	0010055	P	0871005	J	0871005	L	0046805	V	1225098	K	27AUG96	R

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

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FED. MFG. CODE 91929
MICRO SWITCH
a Honeywell Division

SWITCH, ENCLOSED

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: $\pm$			
NO PLACES	DIM X	TOL mm	DIM X
ONE PLACE	X .1	0.1 / 0.016	1.6
TWO PLACES	X .01	0.01 / 0.001	0.016
THREE PLACES	X .001	0.001 / 0.0001	0.0016
ANGLES	$\pm 20''$		
SI METRIC		US CUSTOMARY	
DESIGN UNITS			
WEIGHT			

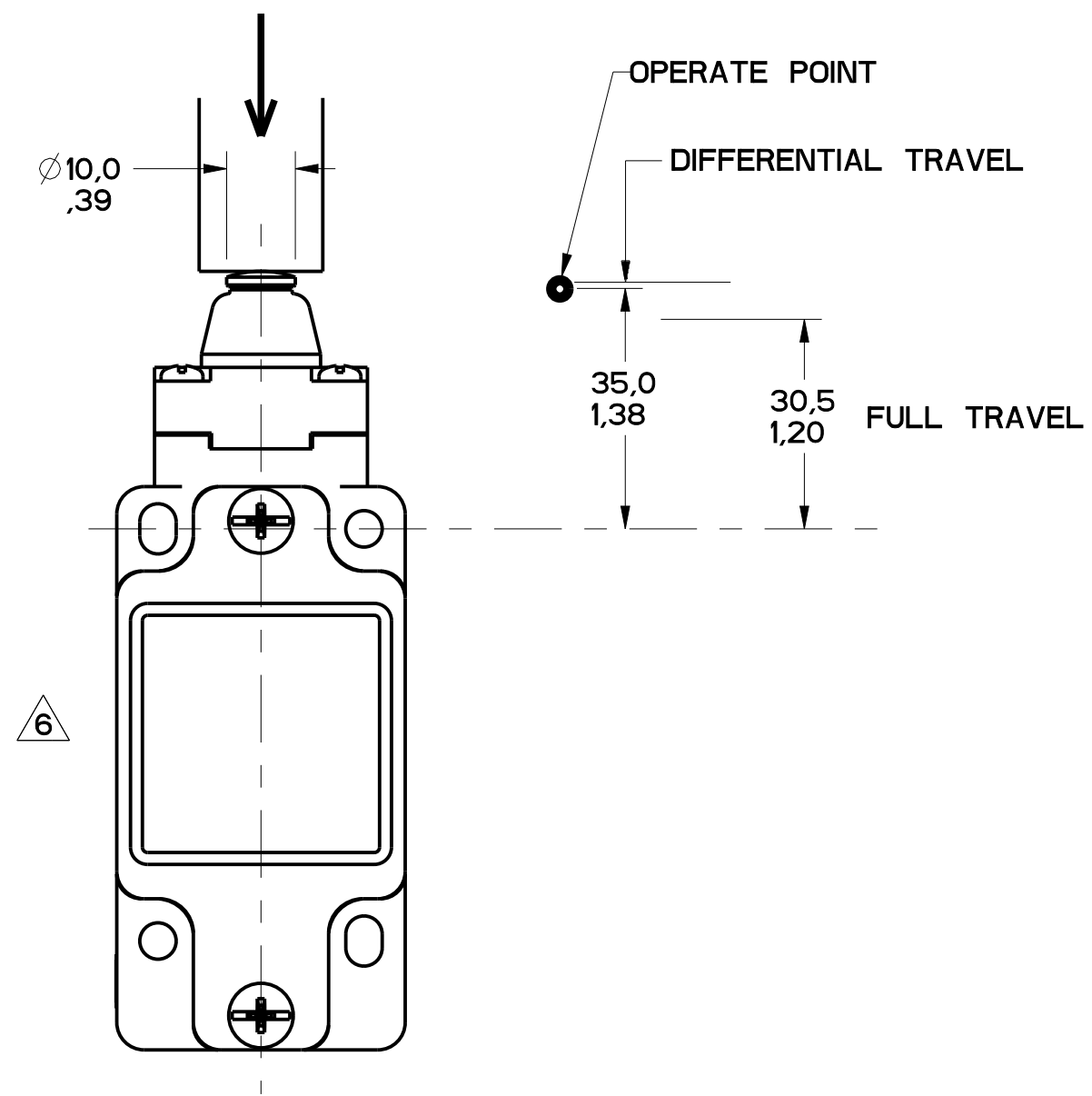


FIGURE 11

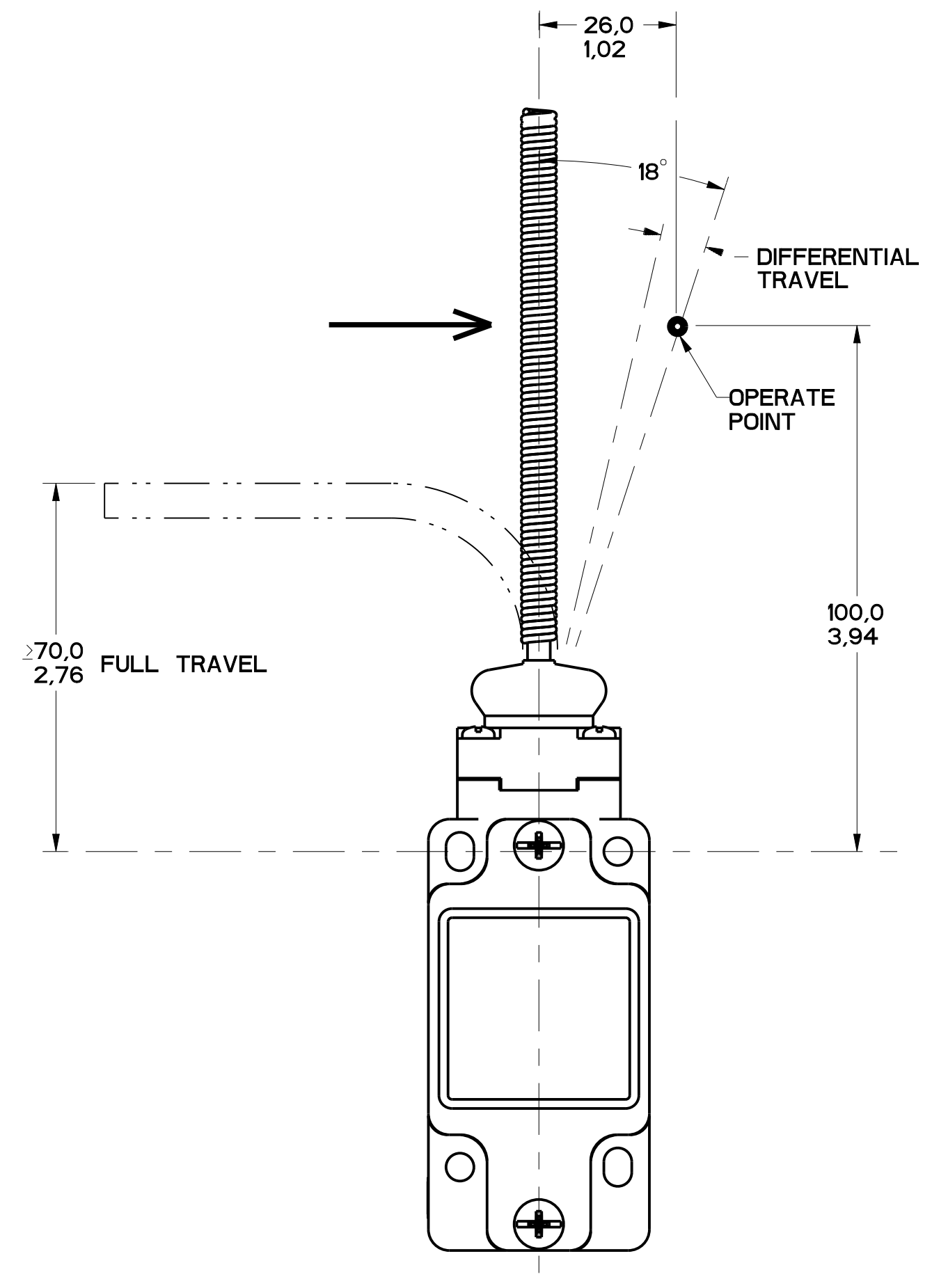


FIGURE 12

[illegible]

REVISIONS		GLH 26AUG93 CHECK CMH 05OCT10
F	0000401 GLH 2JUN03	
G	0002986 RS 20 JAN04	
H	00032759 RKP 07AUG06	
J	0003216 BS 08FEB08	
K	0043629 SS 12SEP08	
L	0048605 YKS 09FEB09	
M	0070059 DN 05OCT10	
N	0094570 SBH 12OCT12	

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FED. MFG. CODE 91929

MICRO SWITCH
a Honeywell Division

SWITCH, ENCLOSED

GL SERIES CHART 1

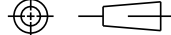
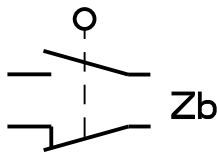
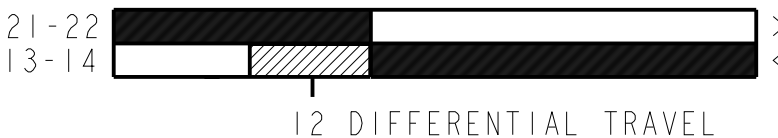
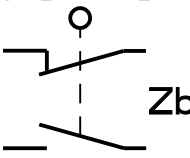
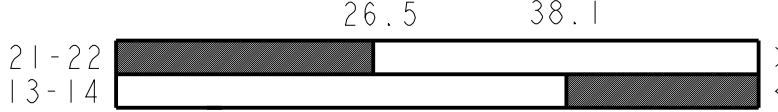
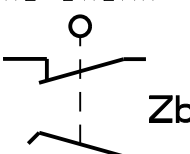
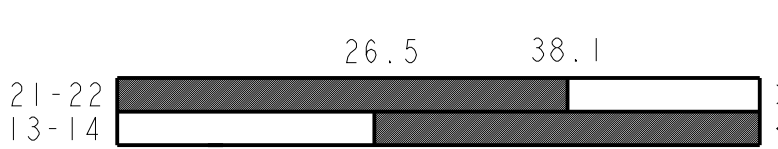
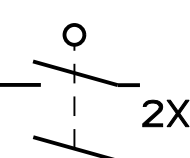
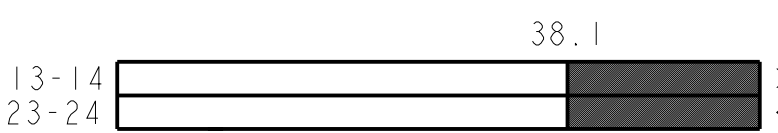
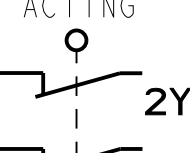
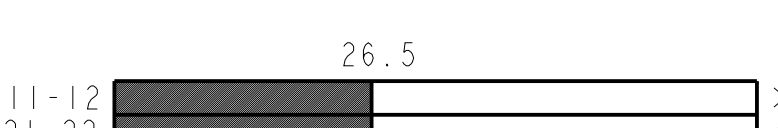
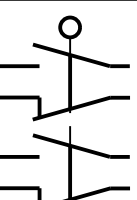
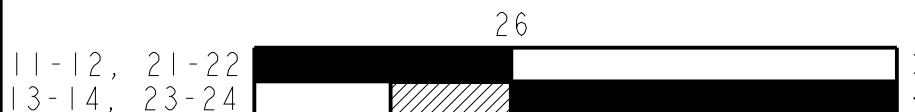
THIRD ANGLE PROJECTION			
			
SCALE 1 : 1			
DO NOT SCALE PRINT			
TOLERANCES APPLY TO DESIGN UNITS, CONVERSIONS ARE ONLY FOR REFERENCE, UNLESS NOTED, TOLERANCES ARE:			
DIM	TOL	FIN	TOL
mm	mm	in	mm/in
NO PLACES	X	1 / 64	0.8 (0.031)
ONE PLACE	X .1	0.01 (0.001)	0.30 (0.013)
TWO PLACES	X .01	0.001 (0.0001)	0.13 (0.005)
THREE PLACES	X .001	0.0001 (0.00001)	0.01 (0.0005)
ANGLES ± 2°			
SI METRIC 		US CUSTOMARY 	
DESIGN UNITS			
WEIGHT			

FIGURE 12, WOBBLE HEAD, ANGULAR ACTUATION

CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS ■ 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 $\frac{m/s}{in/s}$	MIN OPERATE VEL $\frac{mm/s}{in/s}$	MAX OPERATE FREQUENCY OPS/MIN
GL**01E GL**07E	SNAP - ACTION CONTACTS SINGLE POLE 	 12 DIFFERENTIAL TRAVEL	$\frac{2.5}{0.6}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100
GL**03E GL**33E	SLOW ACTING BREAK BEFORE MAKE 		$\frac{2.5}{0.6}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100
GL**04E GL**34E	SLOW ACTING MAKE BEFORE BREAK 		$\frac{2.5}{0.6}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100
GL**05E GL**35E	SLOW ACTING 		$\frac{2.5}{0.6}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100
GL**06E GL**36E	SLOW ACTING 		$\frac{2.5}{0.6}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100
GL**20E GL**22E GL**24E GL**32E	SNAP ACTION CONTACTS DOUBLE POLE 		$\frac{2.5}{0.6}$	N/A	360	8	100

TOLERANCES

	g/mol	g/mol	g/mol
	mean	max/min	max
1. $\text{C}_{10}\text{H}_8\text{O}_2$	152	152	152
2. $\text{C}_{10}\text{H}_8\text{O}_2$	152	152	152

NO PLACES	X	17.04	X.X
ONE PLACE	X,X	0.47.016	X.XX
TWO PLACES	X.XX	0.151.006	X.XXX

TWO PLACES	8.88	0.197,000	8.88
THREE PLACES		+2°	
ANGLES			

SI METRIC	US CUSTOMARY
☒	☐

DESIGN UNITS	☒		
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WEIGHT

FED. MFG. CODE 91929		CATALOG LISTING
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MICRO SWITCH

MICROSWITCH	SWITCH ENCLOSED	GL SERIES CHAR
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a Honeywell Division

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GL SERIES CHART 1

ANSI Y14.5M-1982 APPLIES

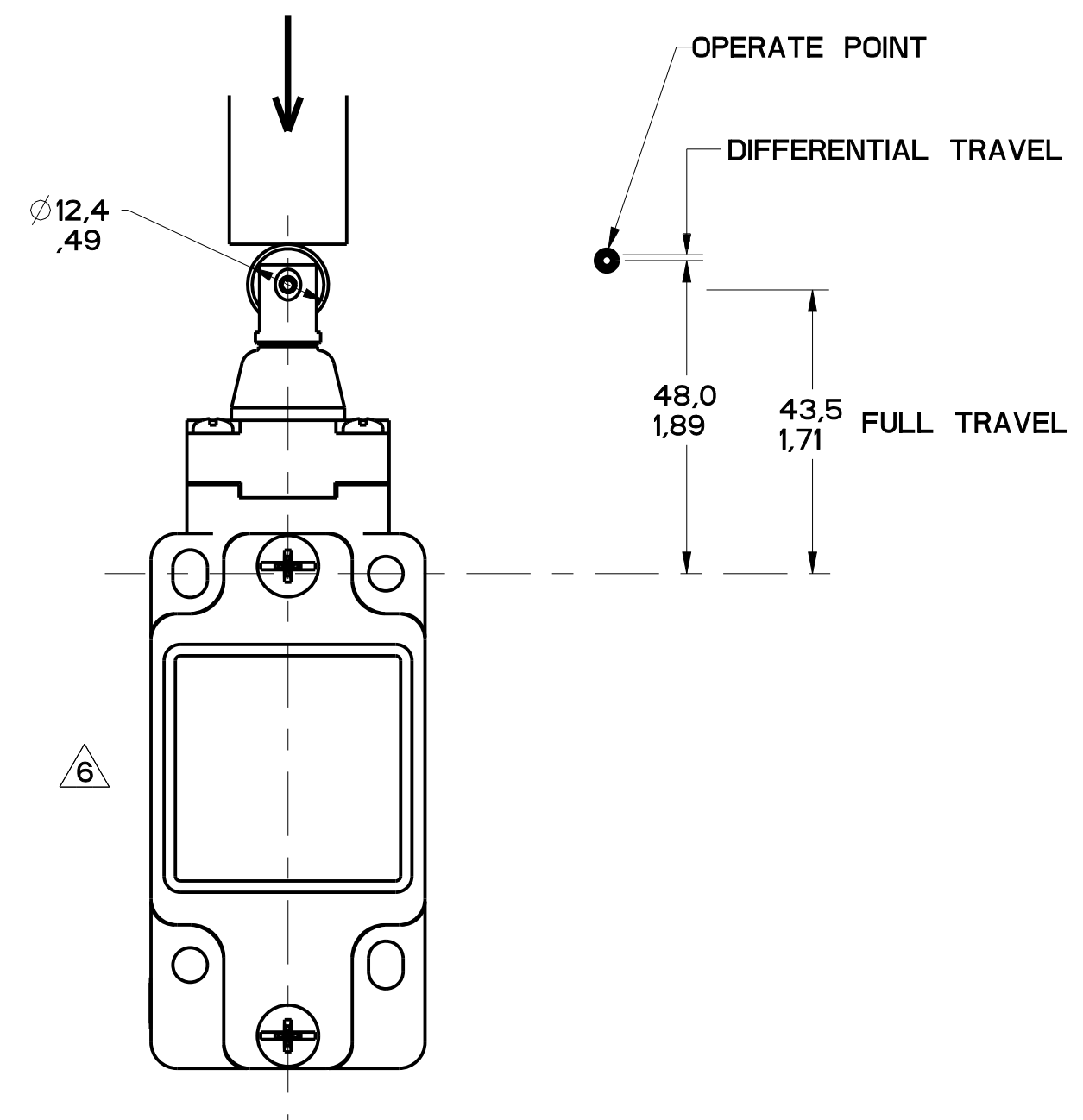


FIGURE 13A

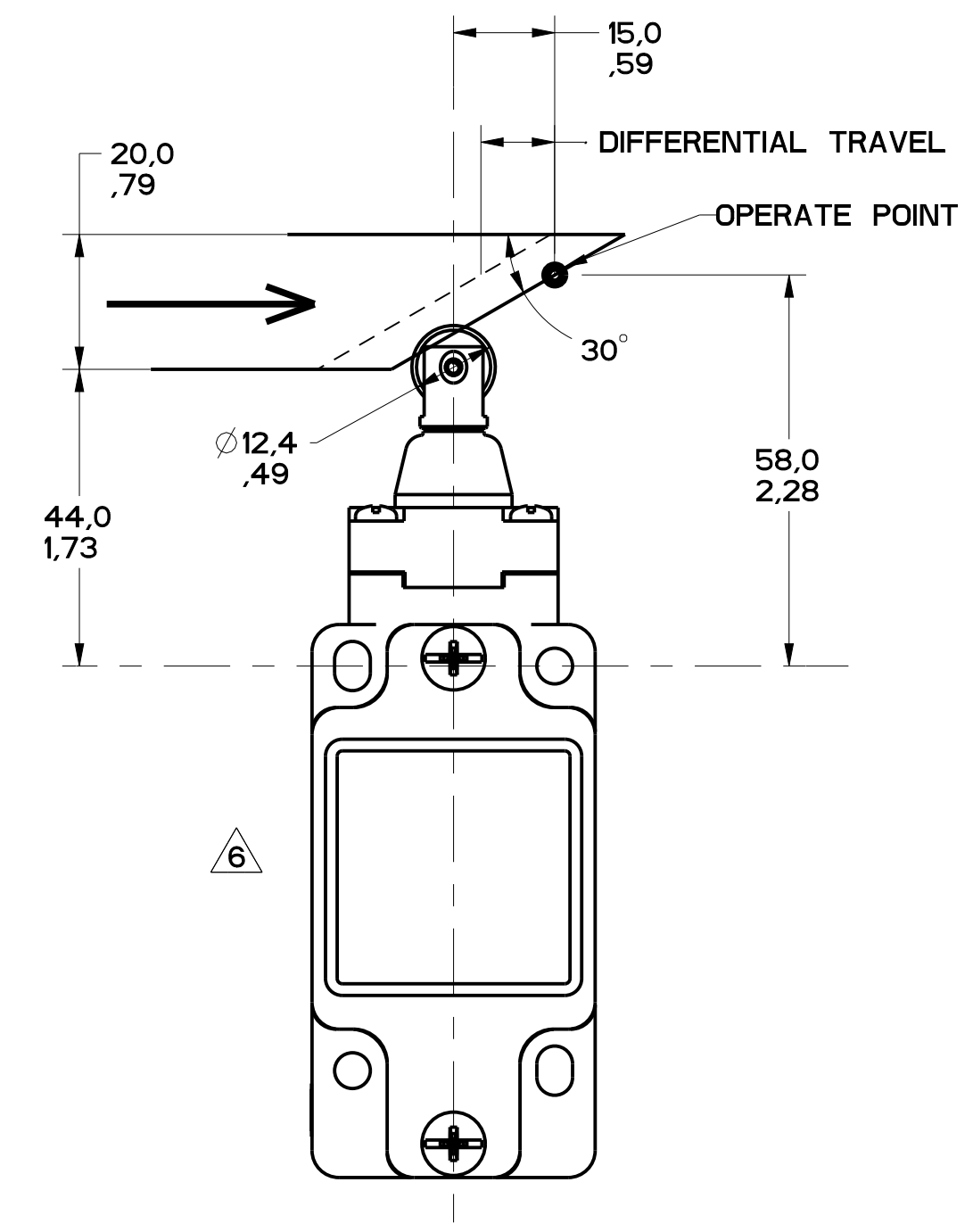


FIGURE 13B

[illegible]

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FED. MFG. CODE 91929		CATALOG LISTING				<table><tr><td>SUM</td><td>TOL</td></tr><tr><td>mm</td><td>in</td></tr><tr><td>X</td><td>0.0005</td></tr><tr><td>X</td><td>0.001</td></tr><tr><td>X</td><td>0.002</td></tr><tr><td>X</td><td>0.005</td></tr></table>		SUM	TOL	mm	in	X	0.0005	X	0.001	X	0.002	X	0.005	<table><tr><td>SUM</td><td>TOL</td></tr><tr><td>mm</td><td>in</td></tr><tr><td>X</td><td>0.0005</td></tr><tr><td>X</td><td>0.001</td></tr><tr><td>X</td><td>0.002</td></tr><tr><td>X</td><td>0.005</td></tr></table>		SUM	TOL	mm	in	X	0.0005	X	0.001	X	0.002	X	0.005
SUM	TOL																																
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X	0.002																																
X	0.005																																
MICRO SWITCH a Honeywell Division	SWITCH, ENCLOSED	NO PLACES ONE PLACE TWO PLACES THREE PLACES ANGLES																															
		X 0.47(0.018) X,X 0.015(0.0006)																															
		SI METRIC ☒ US CUSTOMARY																															
		DESIGN UNITS				WEIGHT																											

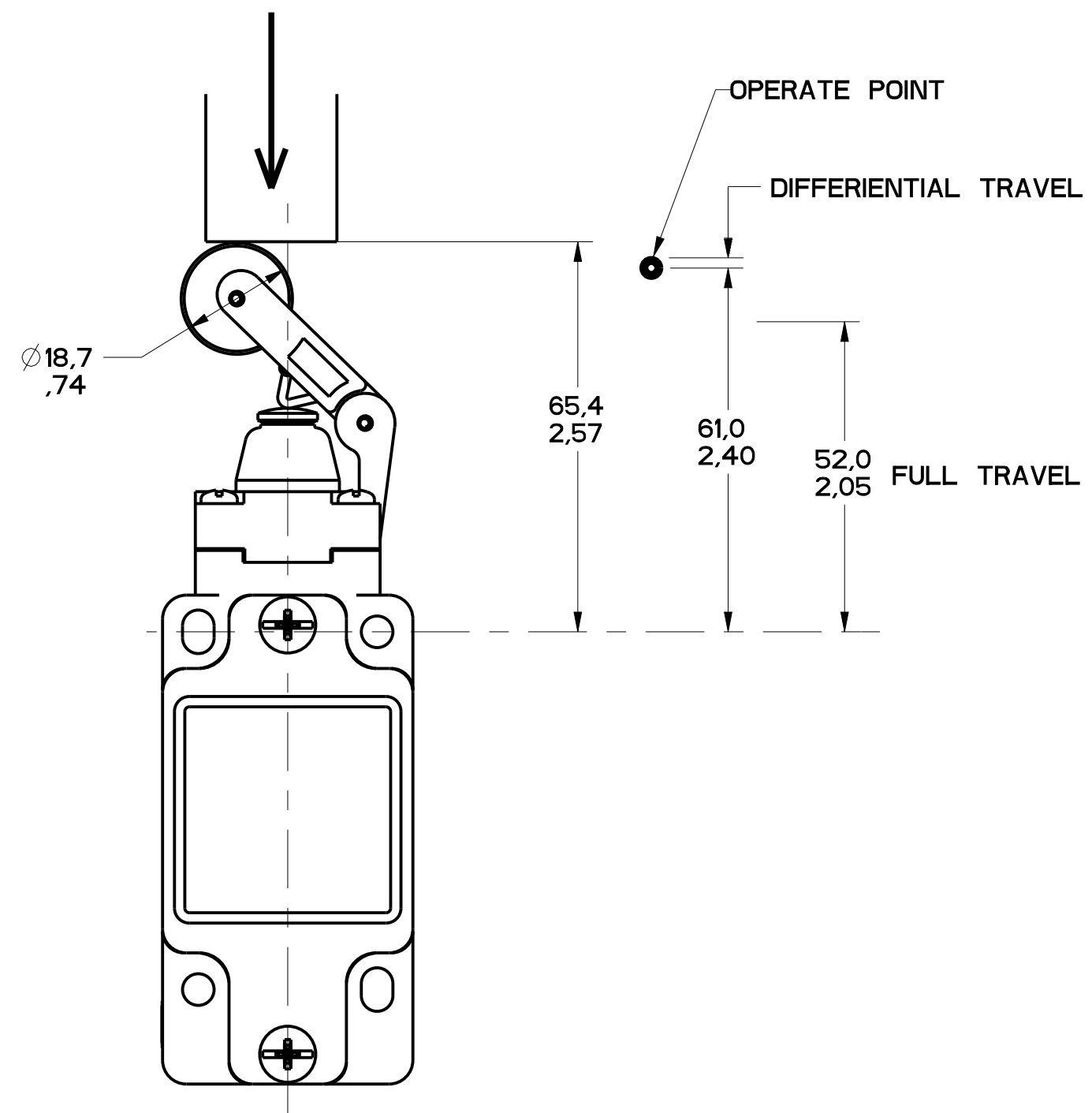


FIGURE 14A

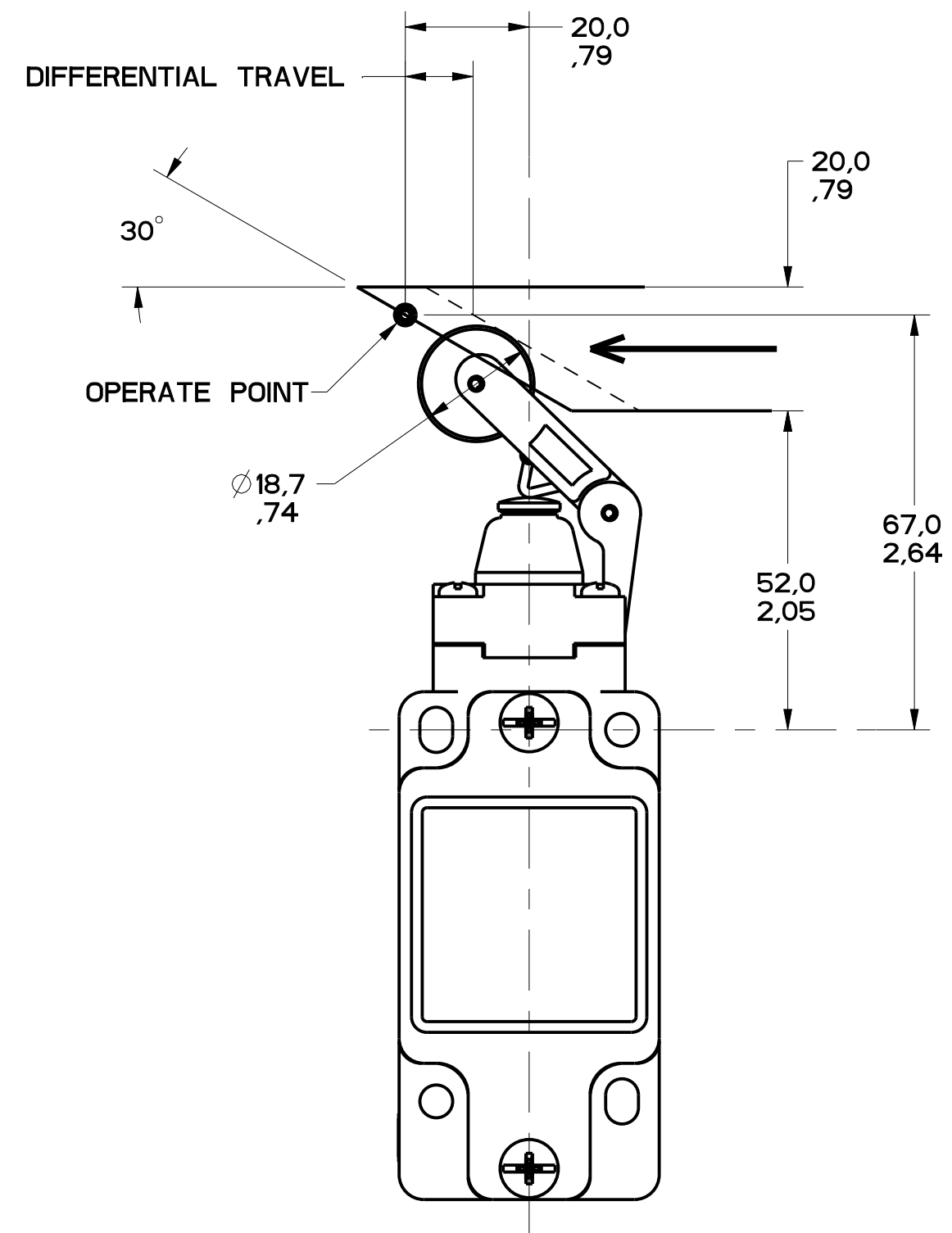


FIGURE 14B

[illegible]

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FED. MFG. CODE 91929		CATALOG LISTING			
MICRO SWITCH a Honeywell Division		SWITCH, ENCLOSED		GL SERIES CHART 1	
				DESIGN UNITS	US CUSTOMARY
				WEIGHT	

FIGURE 14A, TOP ROLLER LEVER HEAD WITH PIN ACTUATION							
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS ■ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S IN/S	MIN OPERATE VEL M/S IN/S	MAX OPERATE FREQUENCY OPS/MIN
GL**01D GL**07D	SNAP - ACTION CONTACTS SINGLE POLE 	 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 GL**33D	SLOW ACTING BREAK BEFORE MAKE 	 59.1	$\frac{9.5}{2.1}$	$\frac{12}{2.7}$	$\frac{0.17}{6.7}$	$\frac{1.7}{.067}$	250
GL**04D GL**34D	SLOW ACTING MAKE BEFORE BREAK 	 61	$\frac{9.5}{2.1}$	$\frac{12}{2.7}$	$\frac{0.17}{6.7}$	$\frac{1.7}{.067}$	250
GL**05D GL**35D	SLOW ACTING 	 59.1	$\frac{9.5}{2.1}$	$\frac{12}{2.7}$	$\frac{0.17}{6.7}$	$\frac{1.7}{.067}$	250
GL**06D GL**36D	SLOW ACTING 	 61	$\frac{9.5}{2.1}$	$\frac{12}{2.7}$	$\frac{0.17}{6.7}$	$\frac{1.7}{.067}$	250
GL**20D GL**22D GL**24D GL**32D	SNAP ACTION CONTACTS DOUBLE POLE 	 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 GL**25D GL**28D GL**31D	STEP 1 STEP 2 SNAP ACTION CONTACTS DOUBLE POLE SEQUENTIAL 	 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 ■ - CONTACT CLOSED, □ - CONTACT OPEN, ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING FORCE N LB	MAXIMUM DISCONNECT FORCE N LB	MAX OPERATE VEL M/S IN/S	MIN OPERATE VEL M/S IN/S	MAX OPERATE FREQUENCY OPS/MIN
GL**01D GL**07D	SNAP - ACTION CONTACTS SINGLE POLE 	 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 GL**33D	SLOW ACTING BREAK BEFORE MAKE 	 24.1	$\frac{5.5}{1.2}$	$\frac{7.0}{1.6}$	$\frac{0.29}{11.4}$	$\frac{2.9}{.11}$	250
GL**04D GL**34D	SLOW ACTING MAKE BEFORE BREAK 	 20	$\frac{5.5}{1.2}$	$\frac{9.6}{2.2}$	$\frac{0.29}{11.4}$	$\frac{2.9}{.11}$	250
GL**05D GL**35D	SLOW ACTING 	 24.1	$\frac{5.5}{1.2}$	$\frac{7.0}{1.6}$	$\frac{0.29}{11.4}$	$\frac{2.9}{.11}$	250
GL**06D GL**36D	SLOW ACTING 	 20	$\frac{5.5}{1.2}$	$\frac{7.0}{1.6}$	$\frac{0.29}{11.4}$	$\frac{2.9}{.11}$	250
GL**20D GL**22D GL**24D GL**32D	SNAP ACTION CONTACTS DOUBLE POLE 	 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 GL**25D GL**28D GL**31D	STEP 1 STEP 2 SNAP ACTION CONTACTS DOUBLE POLE SEQUENTIAL 	 3.7 DIFFERENTIAL TRAVEL	$\frac{5.5}{1.2}$	N/A	$\frac{0.29}{11.4}$	$\frac{2.9}{.11}$	250

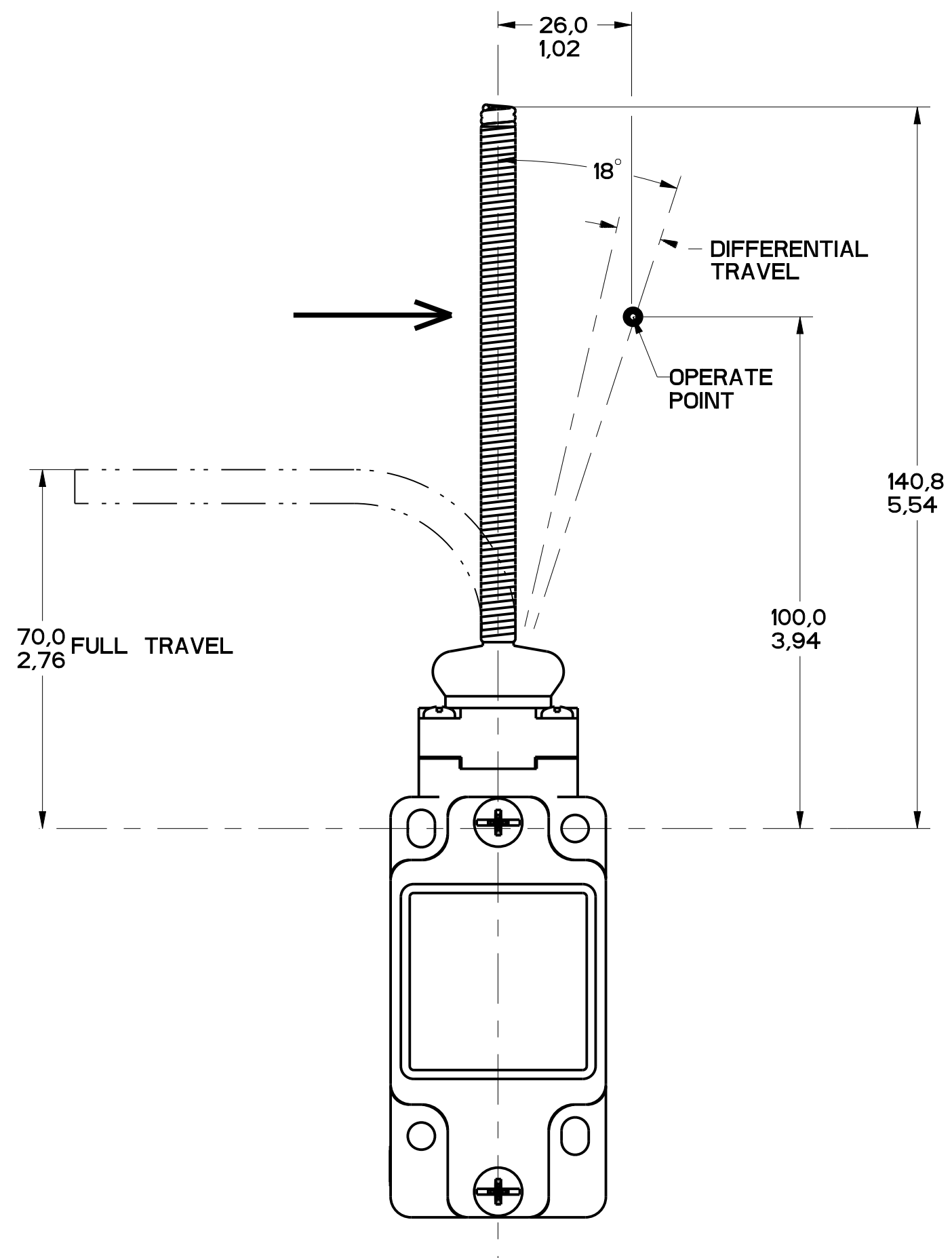


FIGURE 15

[illegible]

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 MICRO SWITCH a Honeywell Division		SWITCH, ENCLOSED		GL SERIES CHART 1	
NO PLACES 3 ONE PLACE 3 X .X TWO PLACES 1.8 X THREE PLACES ANGLES		DIM mm TOL mil ± 1 / .04 / .016 0.41 / .016 0.15 / .006 ±.005		DIM in TOL mil ± 1 / .04 / .016 0.41 / .016 0.15 / .006 ±.005	
DESIGN UNITS ☒ SI METRIC		WEIGHT		US CUSTOMARY ☐	

FIGURE 15, CAT WISKER HEAD, ANGULAR ACTUATION							
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS ■ - 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 GL**07K	SNAP - ACTION CONTACTS SINGLE POLE 	 18° 8° DIFFERENTIAL TRAVEL	$\frac{0.1}{.9}$	N/A	360	8	100
GL**03K GL**33K	SLOW ACTING BREAK BEFORE MAKE 	 18° 25	$\frac{0.1}{.9}$	N/A	360	8	100
GL**04K GL**34K	SLOW ACTING MAKE BEFORE BREAK 	 25° 18°	$\frac{0.1}{.9}$	N/A	360	8	100
GL**05K GL**35K	SLOW ACTING 	 25°	$\frac{0.1}{.9}$	N/A	360	8	100
GL**06K GL**36K	SLOW ACTING 	 18°	$\frac{0.1}{.9}$	N/A	360	8	100
GL**20K GL**22K GL**24K GL**32K	SNAP ACTION CONTACTS DOUBLE POLE 	 18° 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 ■ - 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 GL**07K	SNAP - ACTION CONTACTS SINGLE POLE 	 26 12 DIFFERENTIAL TRAVEL	$\frac{1.3}{.3}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100
GL**03K GL**33K	SLOW ACTING BREAK BEFORE MAKE 	 26.5 38.1	$\frac{1.3}{0.3}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100
GL**04K GL**34K	SLOW ACTING MAKE BEFORE BREAK 	 26.5 38.1	$\frac{1.3}{0.3}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100
GL**05K GL**35K	SLOW ACTING 	 38.1	$\frac{1.3}{0.3}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100
GL**06K GL**36K	SLOW ACTING 	 26.5	$\frac{1.3}{0.3}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100
GL**20K GL**22K GL**24K GL**32K	SNAP ACTION CONTACTS DOUBLE POLE 	 26 12 DIFFERENTIAL TRAVEL	$\frac{1.3}{0.3}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$	100



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