

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 GL25
- 4 - THE RIGHT INDICATOR IS YELLOW AND INDICATES "OUTPUT STATUS" IT IS ON GLG SERIES PRODUCTS ONLY.
- 5 - THE MAXIMUM VOLTAGE, V_e OF GLG 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 - 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



LEVER	ROLLER MATERIAL	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	3.125 2.59	33.07 1.300
GLZ52W	RUBBER	40.0 1.5	71.5 2.81	12.7 .5
GLZ52Y	RUBBER	50.9 2.0	71.5 2.81	12.7 .5

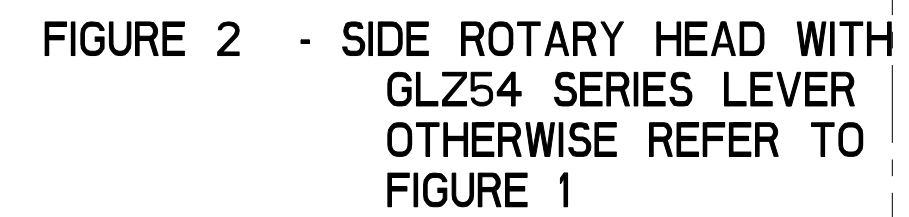
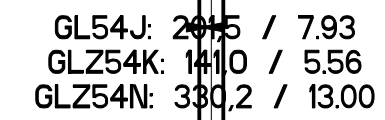
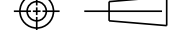


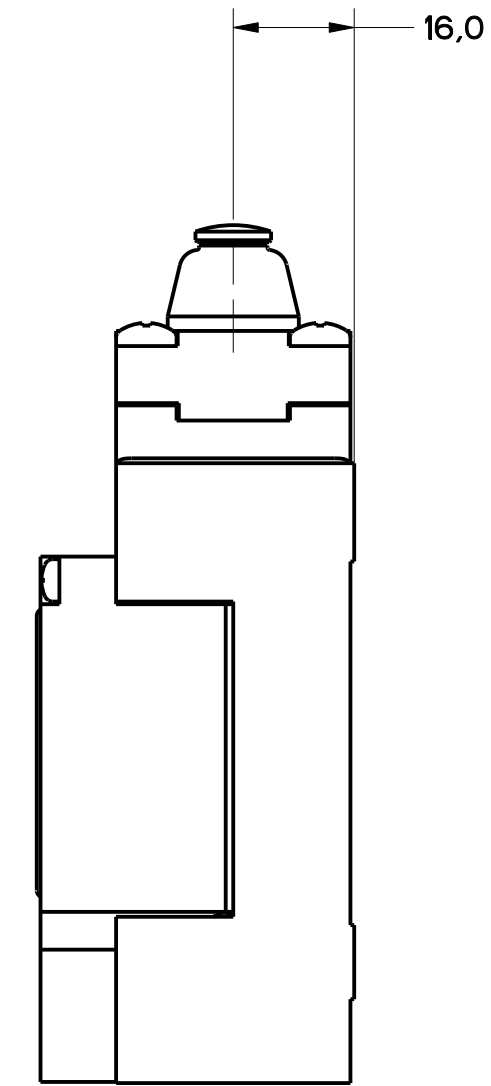
FIGURE	CATALOG LISTING	CONDUIT ENTRY
1A	GL•A SERIES	1/2-14 NPT
1B	GL•B SERIES	PG13.5
1C	GL•C SERIES	20mm
1D	GL•D SERIES	PF1/2

ELECTRICAL RATING 5			
AC		DC	
A600 Ue	AC15 Ie	Q300 Ue	DC13 Ie
(VOLTS)	(AMPS)	(VOLTS)	(AMPS)
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
GLB****	I	N/A	N/A
GLG****	I	N/A	N/A
GLJ****	I	N/A	N/A
GL*A***	IA	N/A	N/A
GL*B***	IB	N/A	N/A
GL*C***	IC	N/A	N/A
GL*D***	ID	N/A	N/A
GL****A *	I	I	8
GL****A2*	I	3	9
GL****A4*	I	2	10
GL****A5*	I		8
GL****B	I	4	I I
GL****C	I	5	I 3A, I 3B
GL****D	I	6	I 4A, I 4B
GL****E7A	I	7A	12
GL****E7B	I	7	12
GL****E7C	I	7E	12
GL****E7D	I	7B	12
GL****K8A	I	7C	15
GL****K8B	I	7D	15
GL****K8C	I	7	15

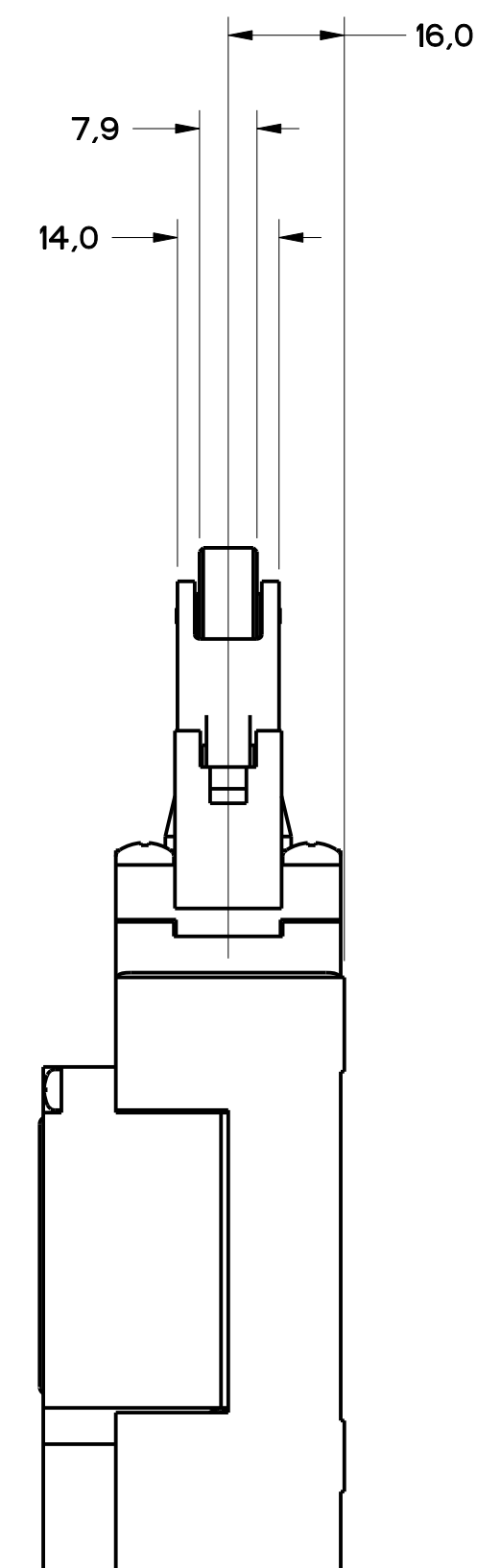
THIRD ANGLE PROJECTION			
			
FULL			
DO NOT SCALE PRINT			
TOLERANCES APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:			
DIM.	TOL.	DIM.	TOL.
inch	mm	inch	mm
NO PLACES	0	NO PLACES	0.01, 0.05
1 PLACE	0.1, 0.4	1 PLACE	0.001, 0.015
2 PLACES	0.01, 0.06	2 PLACES	0.0001, 0.005
THREE PLACES	0.001, 0.006	THREE PLACES	0.00001, 0.0005
ANGLES	0.005°	ANGLES	0.0001°
\$1 METRIC 		US CUSTOMARY 	
DESIGN UNITS			
WEIGHT		VOLUME	



STEEL ROLLER

Ø 12,4

50,5



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DIM	TOL	DIM	TOL																												
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ANGLES																															
FED. MFG. CODE 91929	CATALOG LISTING	<table border="1"> <thead> <tr> <th>SI METRIC</th> <th>US CUSTOMARY</th> </tr> </thead> <tbody> <tr> <td>☒</td> <td>☐</td> </tr> </tbody> </table>		SI METRIC	US CUSTOMARY	☒	☐																								
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MICRO SWITCH a Honeywell Division	SWITCH, ENCLOSED	GL SERIES CHART 2																													
		DESIGN UNITS																													

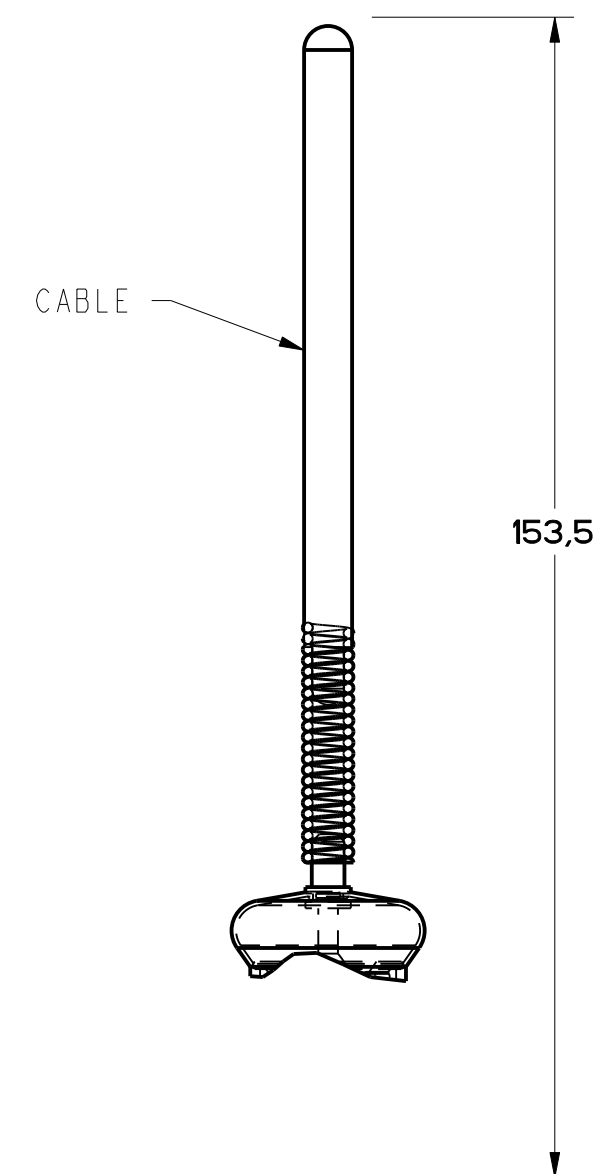
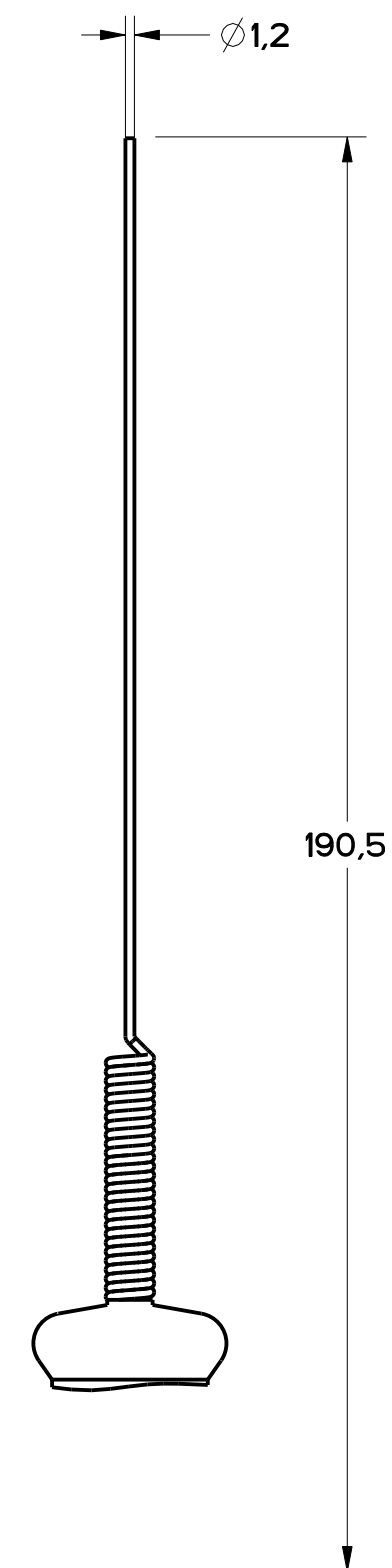
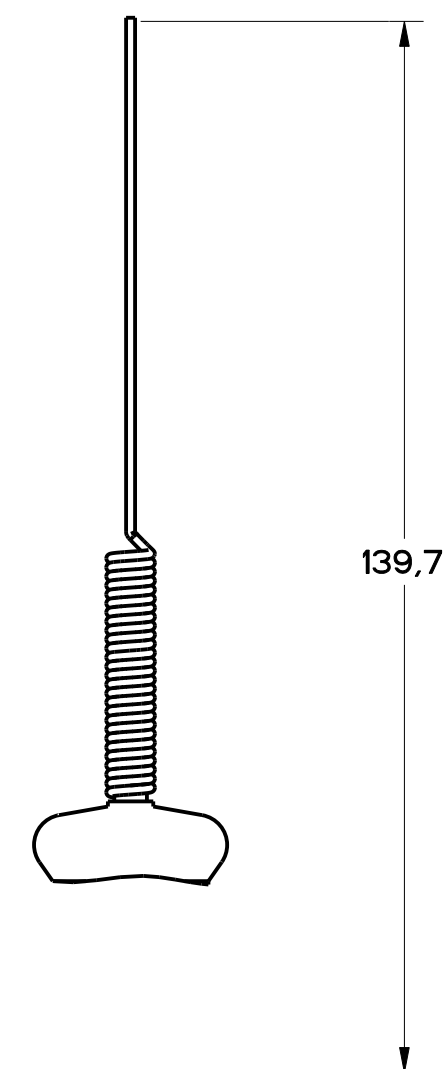
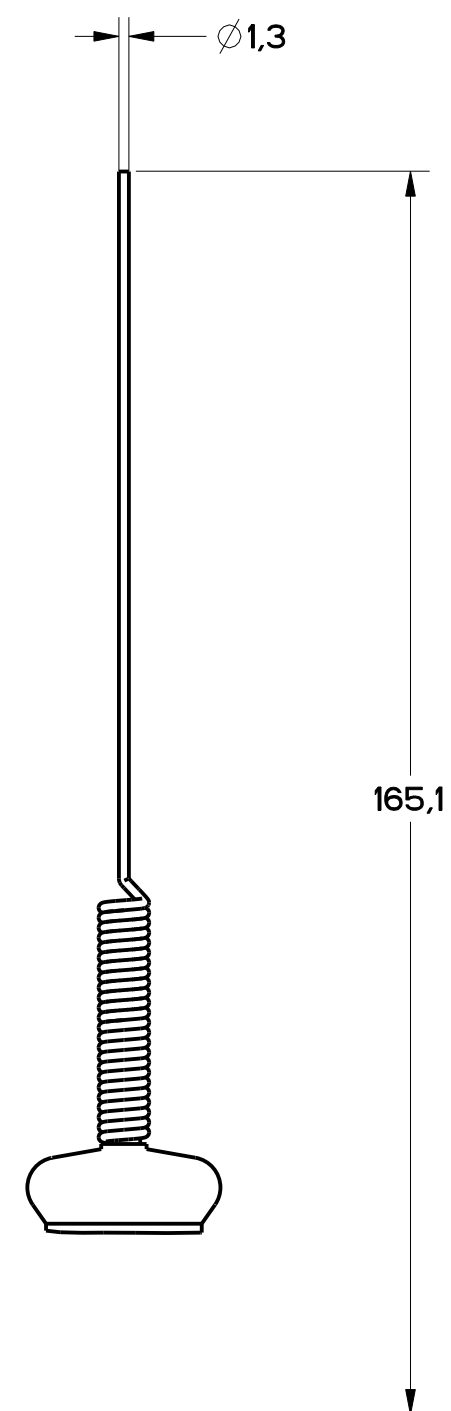
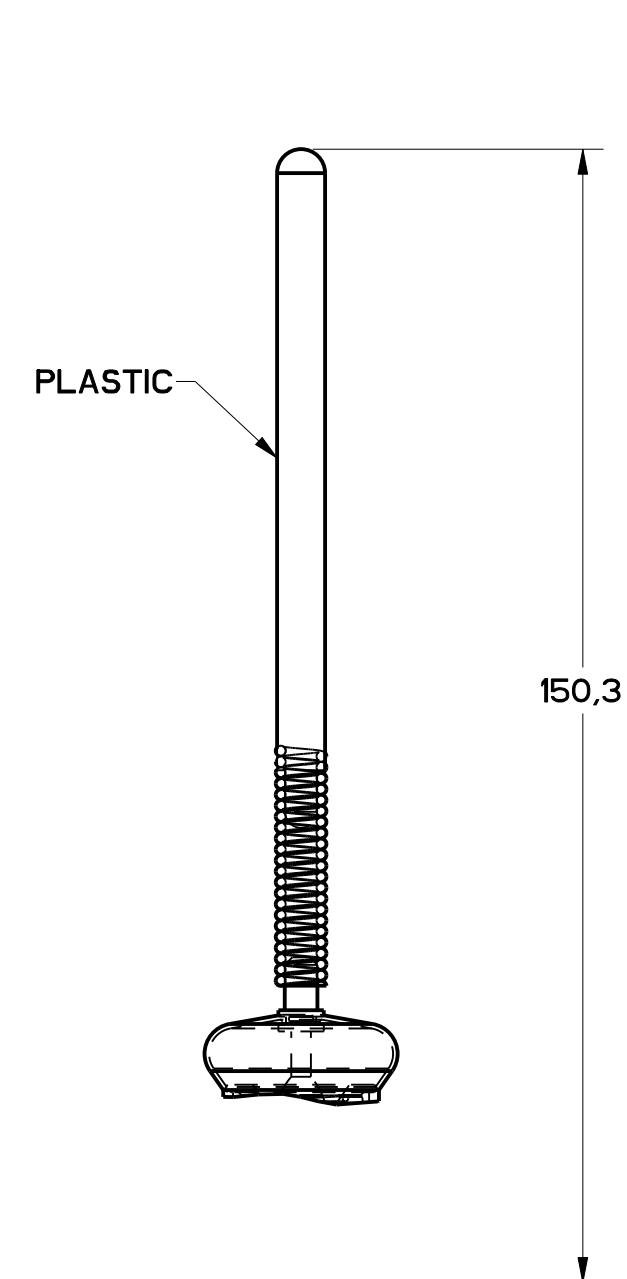
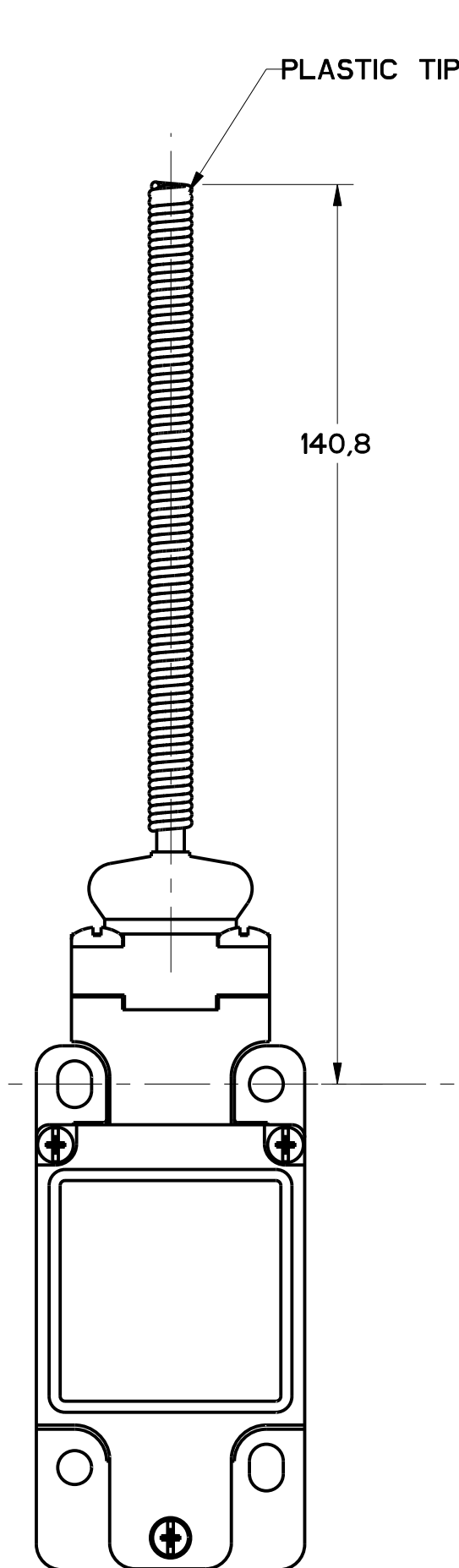


FIGURE 7A -
WOBBLE HEAD,
PLASTIC ACTUATOR,
OTHERWISE SAME AS FIGURE 7

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

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

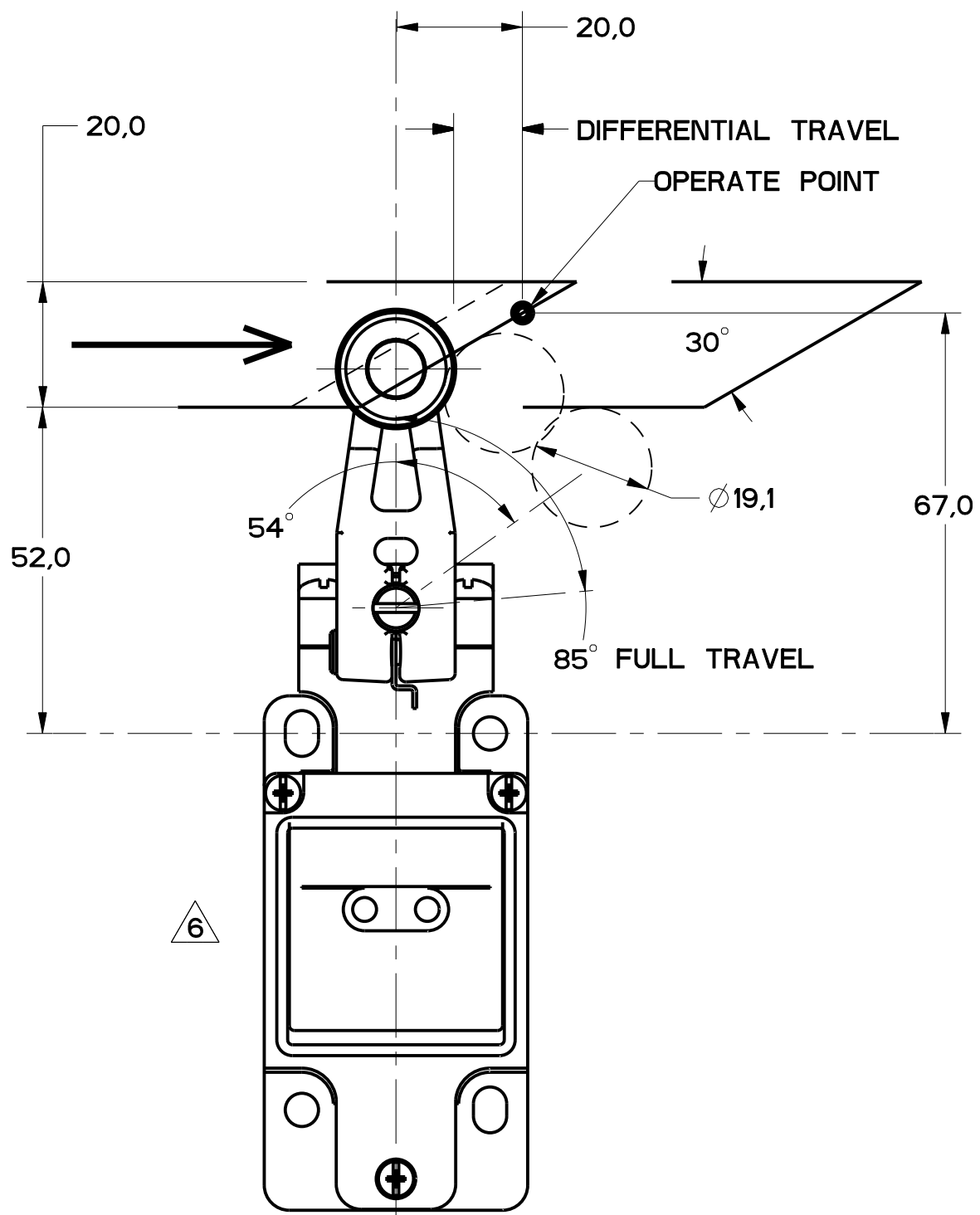


FIGURE 8

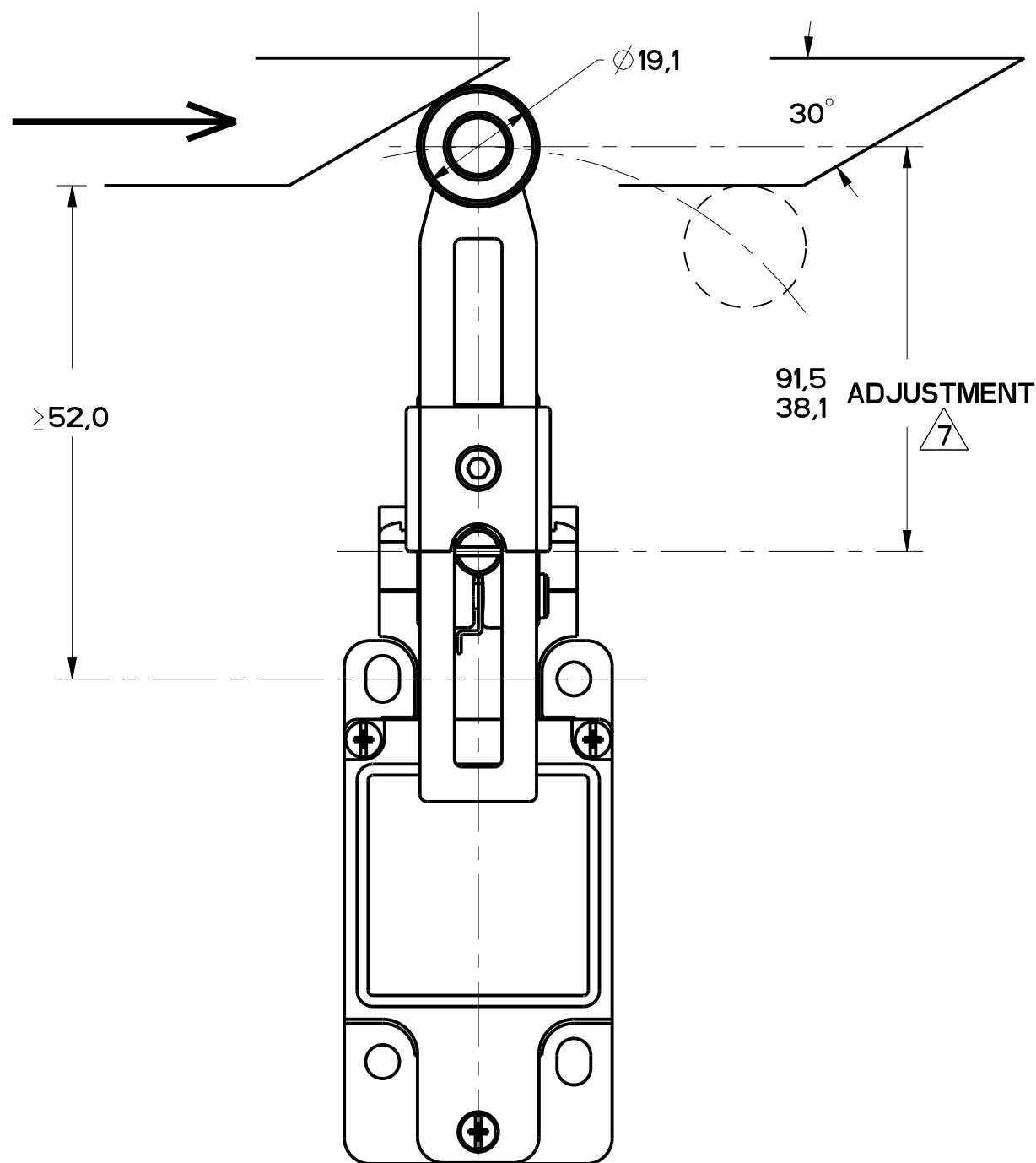


FIGURE 9

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

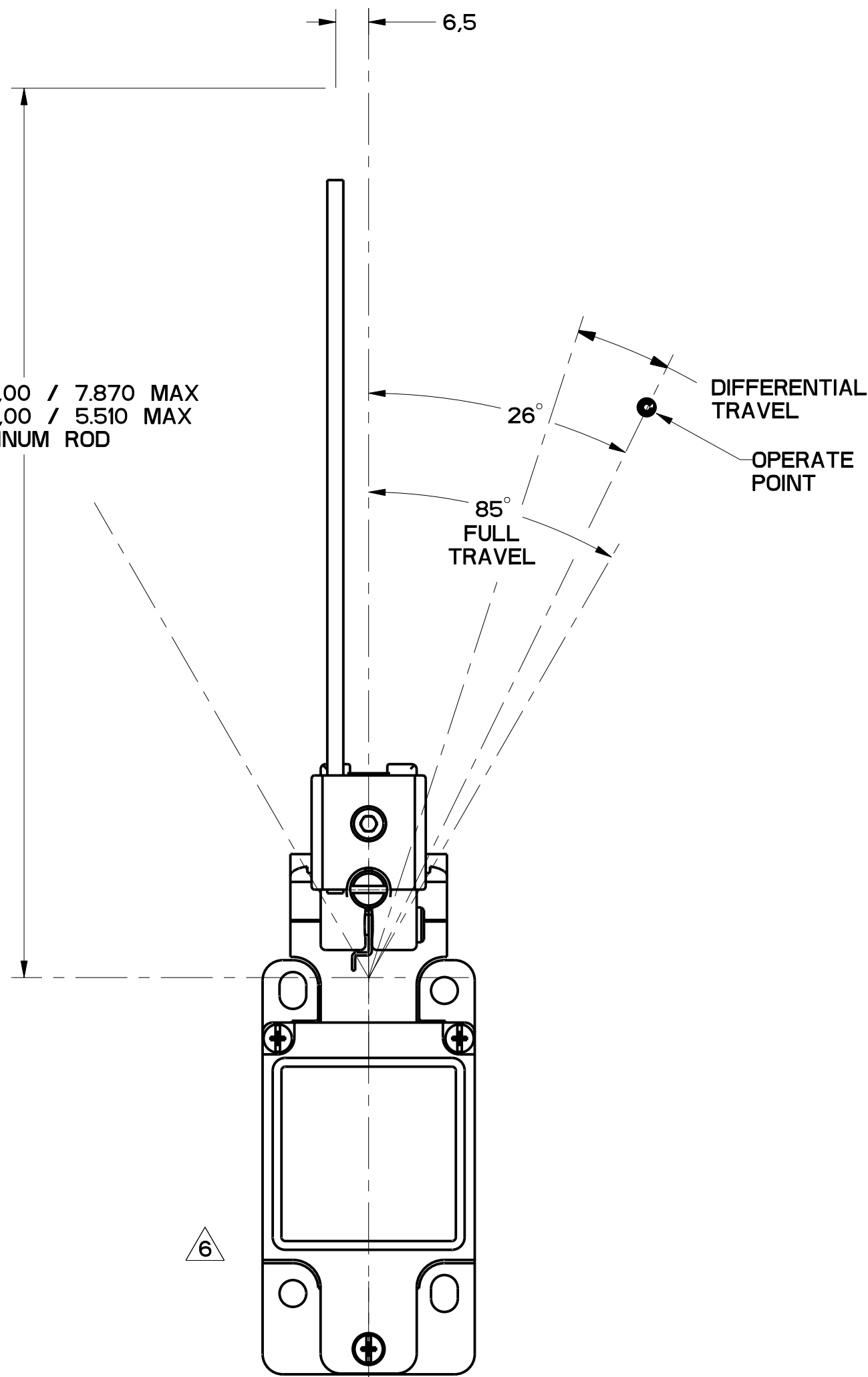


FIGURE 10

FIGURES 8, 9, 10 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	MAXIMUM OPERATING TORQUE $\frac{N}{LB-IN}$	MAXIMUM DISCONNECT TORQUE $\frac{N}{LB-IN}$	MAX OPERATE DEGREE/S	MIN OPERATE DEGREE/S	MAX OPERATE FREQUENCY OPS/MIN
GL**02A*	SNAP - ACTION CONTACTS SINGLE POLE 	21-22 26° 55**° 85° 13-14 12° DIFFERENTIAL TRAVEL	$\frac{.330}{2.9}$	$\frac{.385}{3.4}$	1290	13	250

CAM ACTUATION PER EN50041, FIGURES 8 AND 9

CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5 DIMENSIONS IN mm	MAXIMUM OPERATING FORCE $\frac{N}{LB}$	MAXIMUM DISCONNECT FORCE $\frac{N}{LB}$	MAX OPERATE VEL $\frac{M}{S}$ $\frac{IN}{S}$	MIN OPERATE VEL $\frac{M}{S}$ $\frac{IN}{S}$	MAX OPERATE FREQUENCY OPS/MIN
GL**02A*	SNAP - ACTION CONTACTS SINGLE POLE 	21-22 0 20 56** 13-14 12 DIFFERENTIAL TRAVEL	$\frac{9.7}{2.2}$	$\frac{11.4}{2.6}$	$\frac{.85}{33.5}$	$\frac{8.5}{.33}$	250

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

TOLERANCES

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

	IN	TOL	MM	TOL
NO PLACES	X	1/16	X	0.8
ONE PLACE	X.X	0.0156	X.X	0.39
TWO PLACES	X.XX	0.00156	X.XX	0.039
THREE PLACES	X.XXX	0.000156	X.XXX	0.0039

DESIGN UNITS SI METRIC ☒ US CUSTOMARY ☐

WEIGHT

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FED. MFG. CODE 91929

MICRO SWITCH
a Honeywell Division

SWITCH, ENCLOSED

CATALOG LISTING

GL SERIES CHART 2

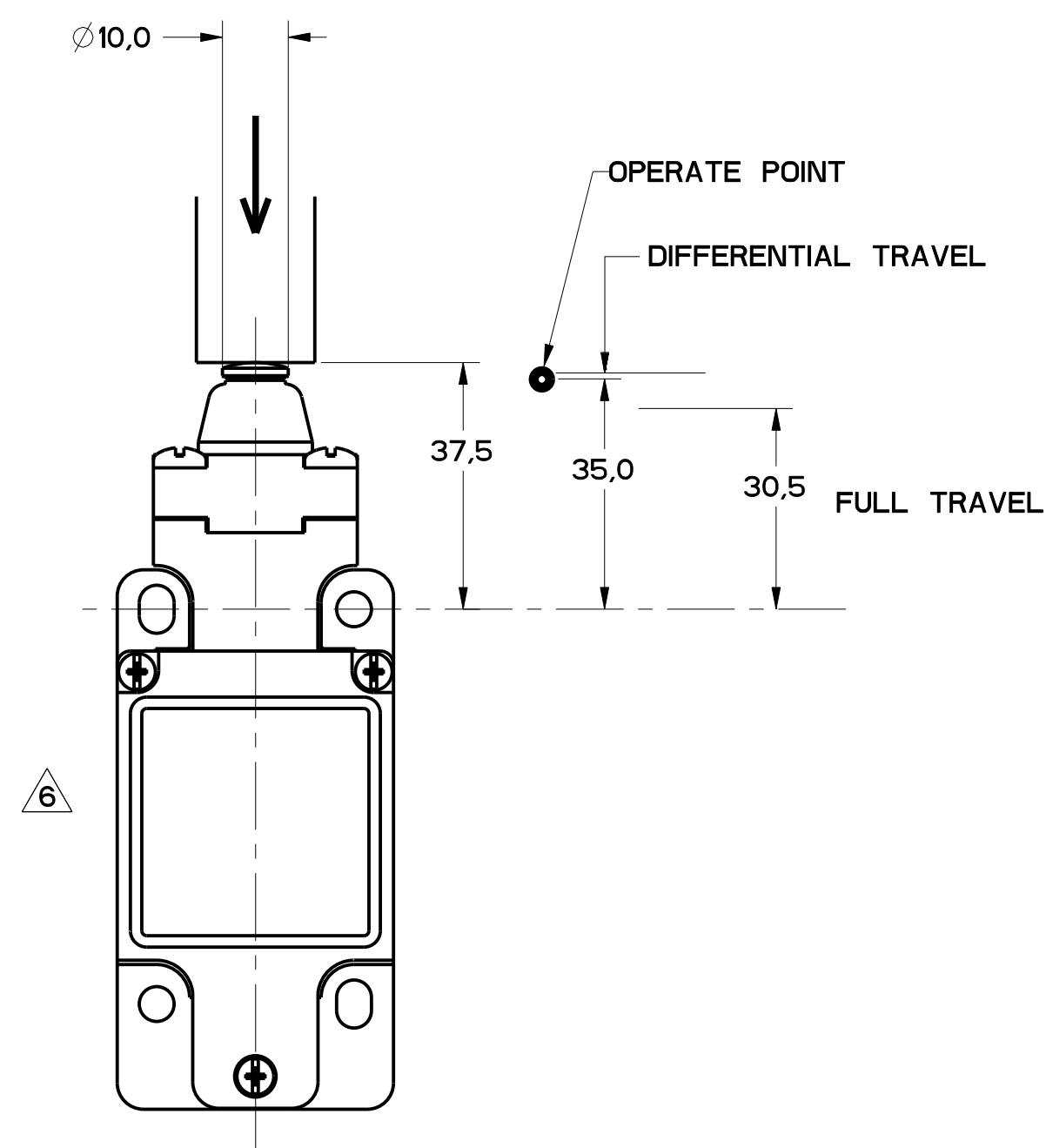


FIGURE 11

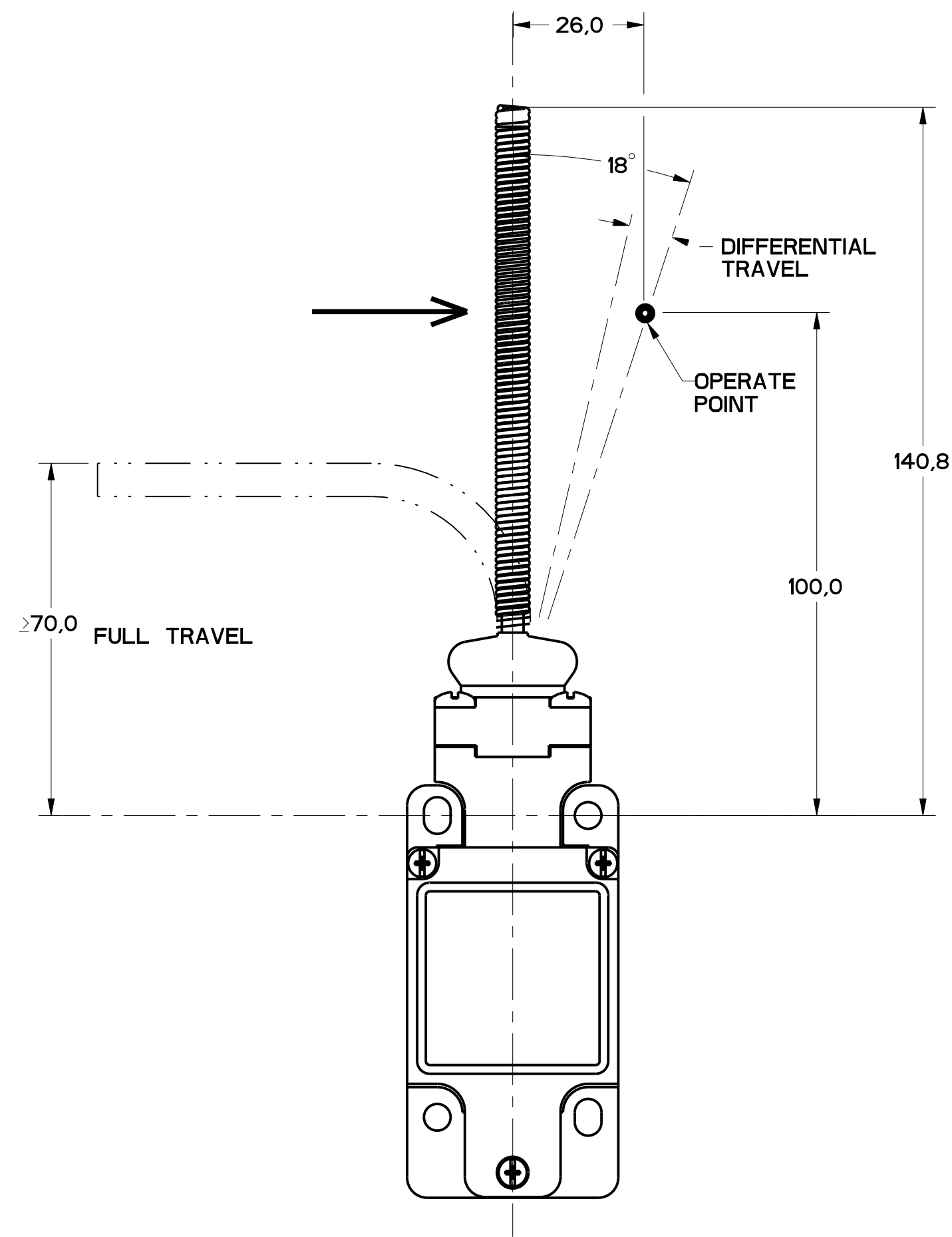


FIGURE 12

FIGURES 11, PIN PLUNGER HEAD, LINEAR 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 mm/S in/S
GL**02B	SNAP - ACTION CONTACTS SINGLE POLE 	 0.9 DIFFERENTIAL TRAVEL	$\frac{16}{3.6}$	$\frac{27}{6.0}$	$\frac{0.1}{3.9}$	$\frac{1.0}{.04}$
						250

FIGURE 12, WOBBLE HEAD, ANGULAR ACTUATION						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1	MAXIMUM OPERATING TORQUE m LB/in	MAXIMUM DISCONNECT TORQUE m LB/in	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 	 8° DIFFERENTIAL TRAVEL	$\frac{0.2}{1.8}$	N/A	360	8
						100

FIGURE 12, WOBBLE HEAD, SIDE ACTUATION AT 100mm						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS 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 mm/S in/S
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 	 12 DIFFERENTIAL TRAVEL	$\frac{2.5}{0.6}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$
						100

REVISIONS	
A	01/85 18529
B	01/85 20 JAN 84
C	01/85 20 JAN 84
D	01/85 20 JAN 84
E	01/85 20 JAN 84
F	01/85 20 JAN 84
G	01/85 20 JAN 84
H	01/85 20 JAN 84
I	01/85 20 JAN 84
J	01/85 20 JAN 84
K	01/85 20 JAN 84
L	01/85 20 JAN 84
M	01/85 20 JAN 84
N	01/85 20 JAN 84
O	01/85 20 JAN 84
P	01/85 20 JAN 84
Q	01/85 20 JAN 84
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S	01/85 20 JAN 84
T	01/85 20 JAN 84
U	01/85 20 JAN 84
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X	01/85 20 JAN 84
Y	01/85 20 JAN 84
Z	01/85 20 JAN 84

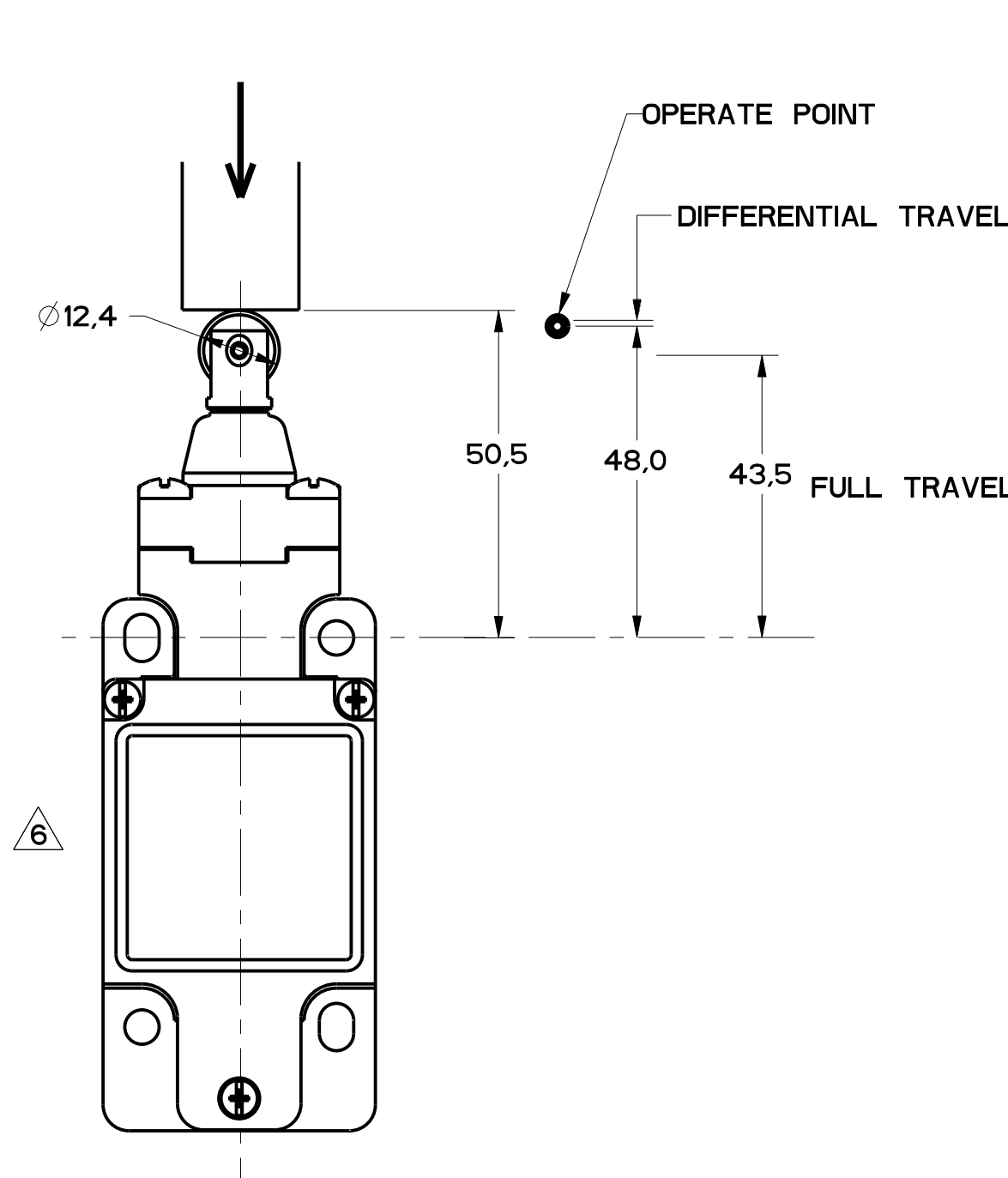


FIGURE 13A

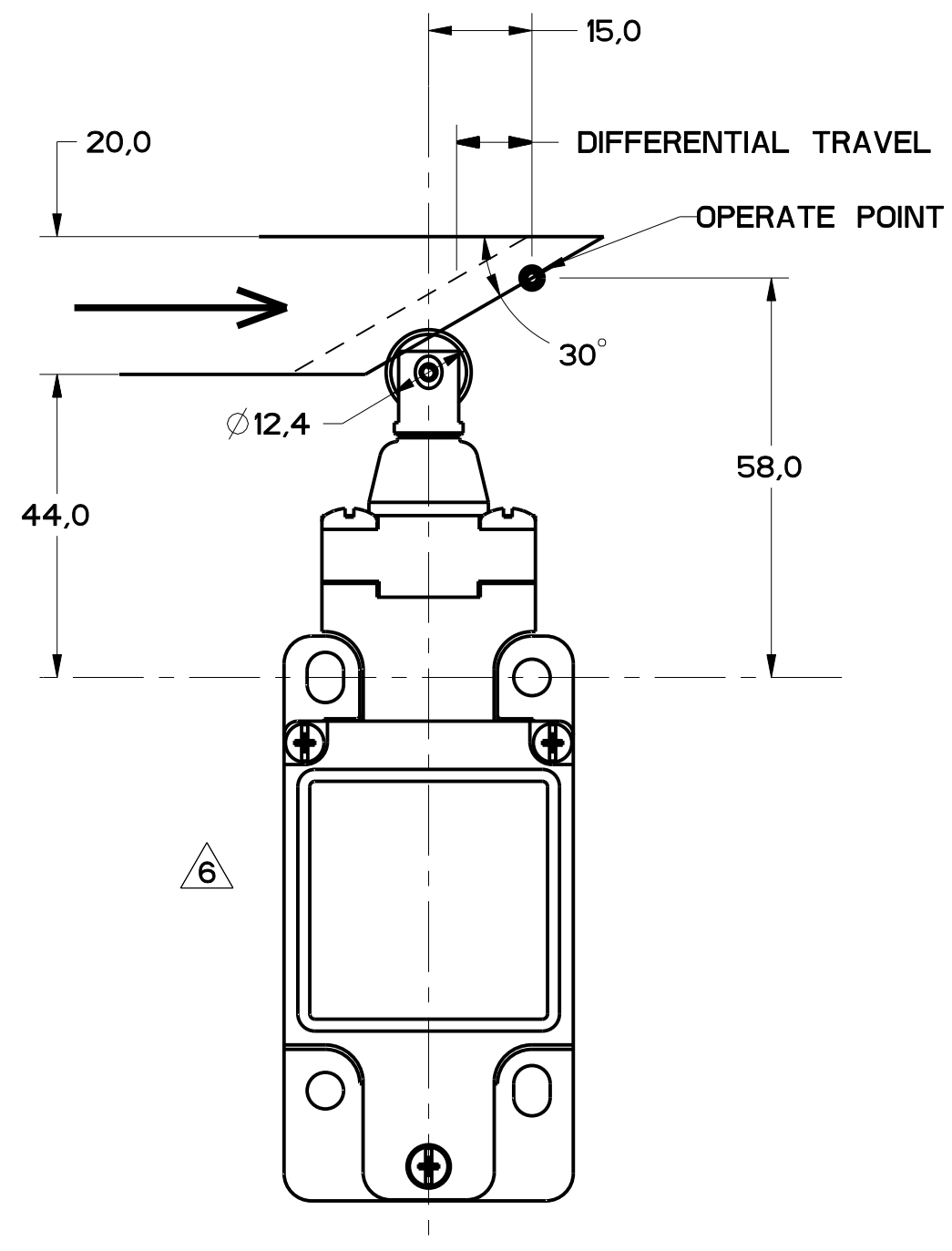


FIGURE 13B

FIGURE 13A, ROLLER PLUNGER HEAD, 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**02C	SNAP - ACTION CONTACTS SINGLE POLE 	 50.5 48 46** 43.5 21-22 13-14 0.9 DIFFERENTIAL TRAVEL	16 3.6	27 6.0	0.1 3.9	1.0 .04	250

FIGURE 13B, TOP ROLLER PLUNGER HEAD, CAM ACTUATION PER EN50041							
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**02C	SNAP - ACTION CONTACTS SINGLE POLE 	 0 15 18.3** 21-22 13-14 1.8 DIFFERENTIAL TRAVEL	9.3 2.1	15.6 3.5	0.17 6.7	1.7 .067	250

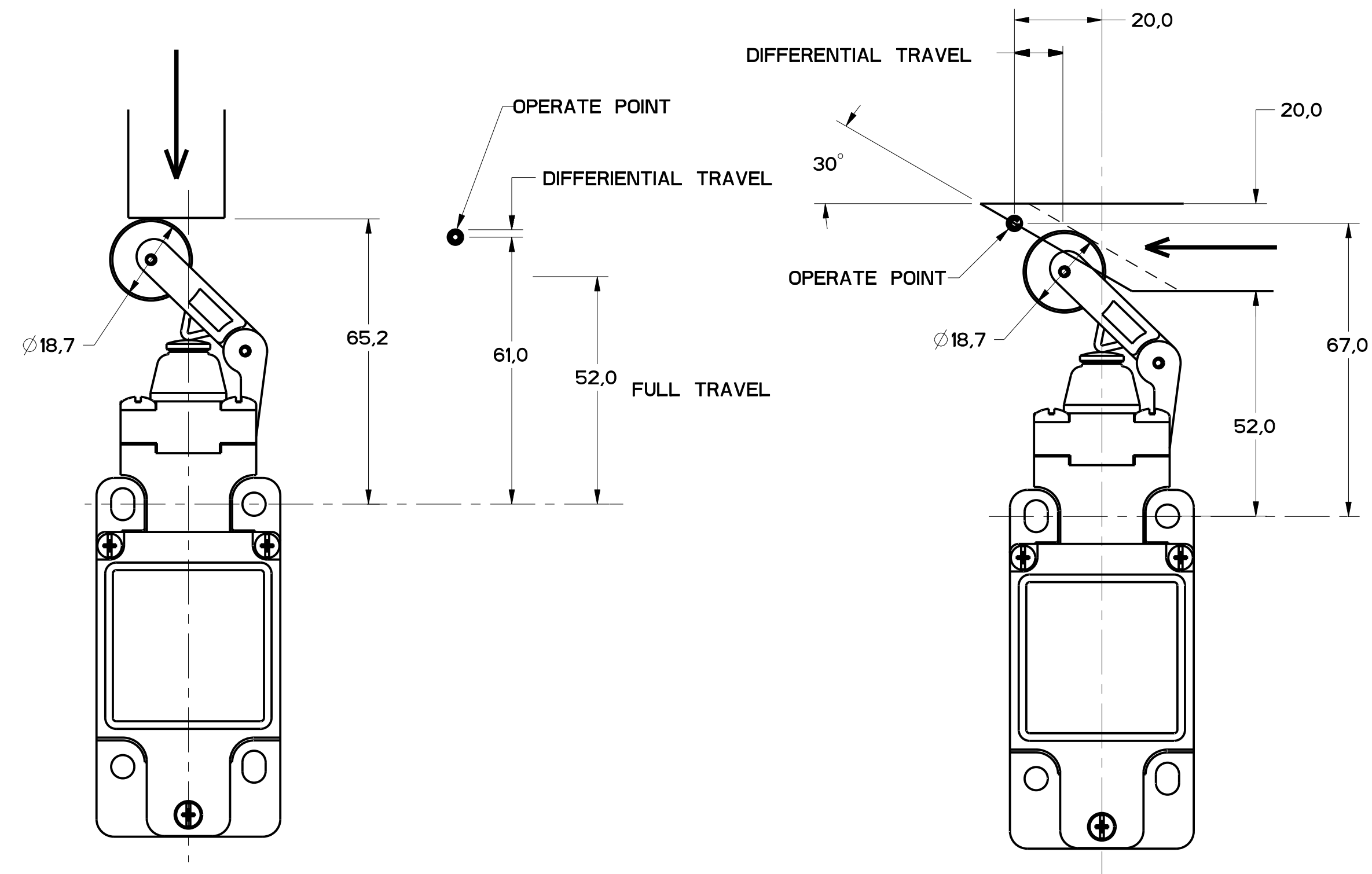


FIGURE 14A

FIGURE 14B

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
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE 	 1.7 DIFFERENTIAL TRAVEL	9.5 2.1	12 2.7	0.17 6.7	0.067 1.7

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
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE 	 4.1 DIFFERENTIAL TRAVEL	5.5 1.2	7.0 1.6	0.29 11.4	2.9 1.1

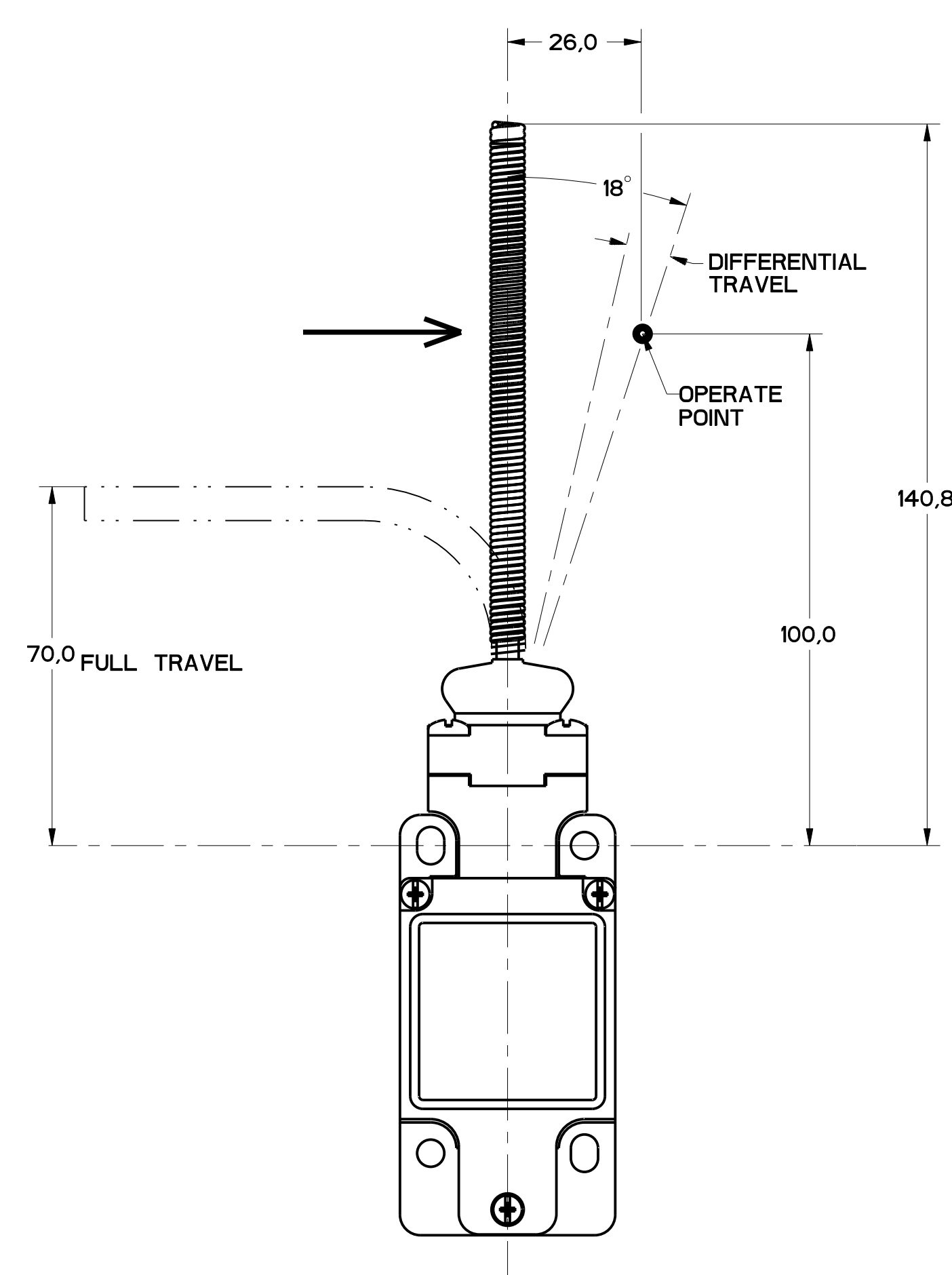


FIGURE 15

FIGURE 15, CAT WISKER HEAD, ANGULAR ACTUATION						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, DIFFERENTIAL TRAVEL	MAXIMUM OPERATING TORQUE LB-IN	MAXIMUM DISCONNECT TORQUE LB-IN	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S
GL**02K	SNAP - ACTION CONTACTS SINGLE POLE 	 21-22 13-14 18° 8° DIFFERENTIAL TRAVEL	$\frac{0.1}{.9}$	N/A	360	8

FIGURE 15, CAT WISKER HEAD, SIDE ACTUATION AT 100mm						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, DIFFERENTIAL TRAVEL	MAXIMUM OPERATING FORCE LB	MAXIMUM DISCONNECT FORCE LB	MAX OPERATE VEL IN/S	MIN OPERATE VEL IN/S
GL**02K	SNAP - ACTION CONTACTS SINGLE POLE 	 21-22 13-14 26 12 DIFFERENTIAL TRAVEL	$\frac{1.3}{.3}$	N/A	$\frac{.5}{19.7}$	$\frac{11}{.43}$