

SIDE ROTARY

0.5

0.00 / 7.875 MAX
0.00 / 5.910 MAX
0.00 / 12.490 MAX

36.8

44.8

3.2

0.542 3.95 / 7.93
0.2546 3.90 / 6.56
0.2548 3.92 / 13.00

FIGURE 2 - SIDE ROTARY HEAD WITH
GL254 SERIES LEVER
OTHERWISE REFER TO
FIGURE 1

**FIGURE 3 - SIDE ROTARY HEAD WITH
GL252 SERIES LEVERS
OTHERWISE REFER TO FIGURE 1**

LEVER	ROLLER	X	Y	W	Z	W	W
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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			
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
GLK####	1A	N/A	N/A
GLL####	1B	N/A	N/A
GLM####	1C	N/A	N/A
GLN####	1D	N/A	N/A
GL####A1	I	1	8
GL####A2	I	3	9
GL####A5	I	2	10
GL####A5	I		8
GL####B	I	4	11
GL####C	I	13A, 13B	
GL####D	I	6	14A, 14B
GL####7A	I	7A	12
GL####7B	I	7B	12
GL####7C	I	7E	12
GL####7D	I	7E	12
GL####8A	I	7C	15
GL####8B	I	7D	15
GL####8C	I	7D	15

NOTES

- HEADS MAY BE INDEXED IN 30° INCREMENTS.
- LEVERS MAY BE INDEXED TO THE SHAFT AT 90° INCREMENTS. THEY MAY BE ATTACHED, BUT NOT INDEXED ANYWHERE ON THE SHAFT.
- FOR ADDITIONAL LEVERS SEE "M" DRAWING CARD GLZ

ALSO INDICATES THE FOLLOWING

INDICATES "OUTPUT STATUS" ON ALL GLG SERIES PRODUCTS ONLY.

INDICATES VOLTAGE, % OF GLG SERIES PRODUCTS IS THE MAXIMUM RATED VOLTAGE OF INDICATION LIGHTS

FREE POSITION, OPERATE POINT, OVERTRAVEL AND PRETRAVEL ALL TO ENVELOPE

SEE DRAWING FOR FIG 9 ONLY APPLIES WHEN LEVER IS ADJUSTED TO 1: 1.50

TEMPERATURE RANGE

(ALL PRODUCTS EXCEPT W/OUT RATED OPERATING HEAD)

OPERATING: -25°C TO +55°C / -10°F TO +135°F

STORAGE: -40°C TO +85°C / -40°F TO +185°F

(PRODUCTS W/OUT RATED 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
GL252A	NYLON	19.1 .75	65.9 2.59	6.4 .25
GL252B	STEEL	19.1 .75	65.9 2.59	6.4 .25
GL252D	NYLON	38.1 1.5	65.9 2.59	6.4 .25
GL252E	NYLON	19.1 .75	19.37 3.125	33.01 1.30
GL252W	RUBBER	40.0 1.5	71.5 2.81	12.7 .5
GL252Y	RUBBER	50.9	71.5	12.7

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FED. MFG. CODE 91-929	SWITCH, ENCLOSED	CATALOG LISTING GL SERIES CHART
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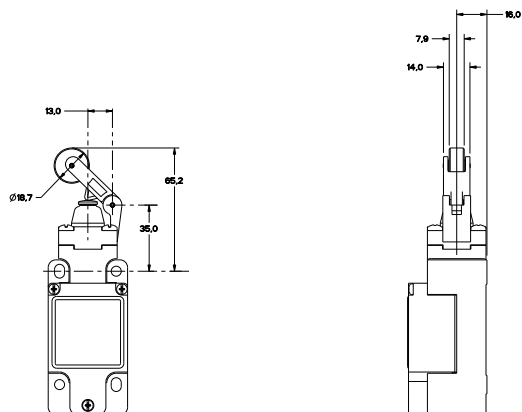
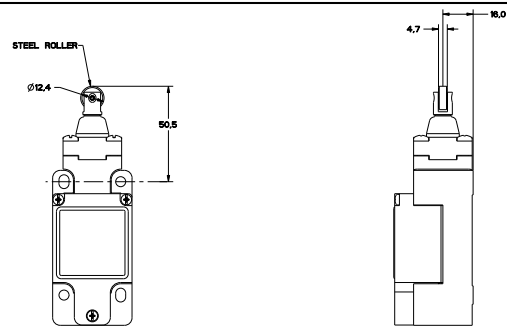
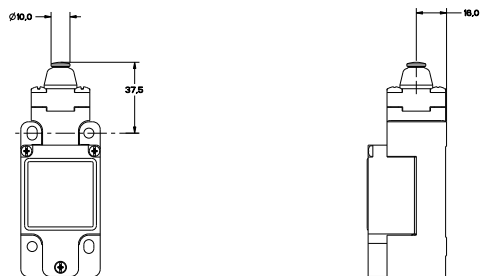
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a Honeywell Division

SWITCH, ENCLOSED

GL SERIES CHART 2

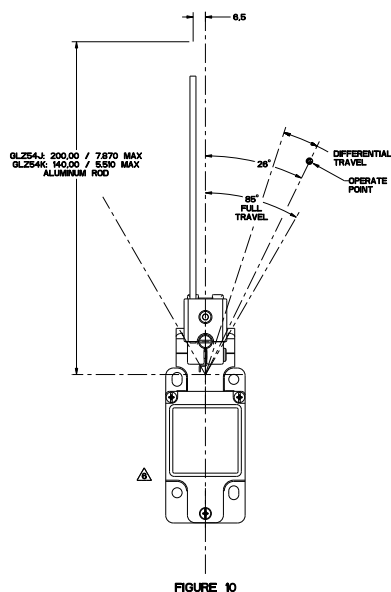
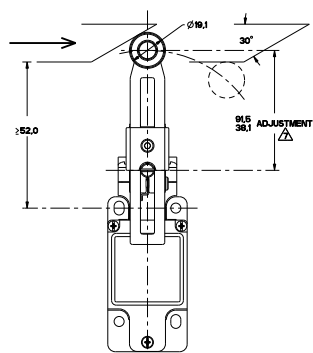
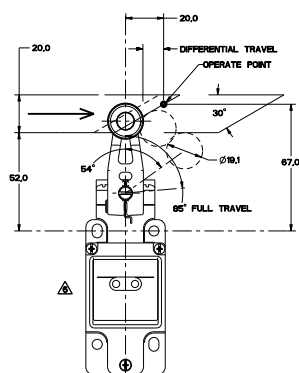
THIRD ANGLE PROJECTION			
			
SCALE FULL			
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DECIMAL VALUES. CONSIDERATIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:			
FRACTIONAL	DIM.	HOLE	SHAFT
NO PLACES ONE PLACE TWO PLACES THREE PLACES FRACTIONS	± ± .01 ± .005 ± .001 ± .0005	± .01 ± .005 ± .001 ± .0005	± .01 ± .005 ± .001 ± .0005
DESIGN UNITS		US CUSTOMARY	
☒ SI METRIC		☐ US CUSTOMARY	



M	GL SERIES CHART 2
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MICRO SWITCH a Honeywell Division	SWITCH, ENCLOSED	GL SERIES CHART	

THIRD ANGLE PROJECTION			
			
SCALE		FULL	
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DIMENSIONED SURFACES UNLESS OTHERWISE SPECIFIED FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:			
ALL PLACES UNLESS OTHERWISE SPECIFIED	FR FRACTIONAL 2.0 3.0	IN INCHES 0.005 0.010 0.015 0.020 0.030 0.040 0.050 0.060 0.070 0.080 0.090 0.100 0.125 0.150 0.175 0.200 0.250 0.300 0.375 0.500 0.625 0.750 1.000 1.250 1.500 1.750 2.000 2.500 3.000 3.500 4.000 4.500 5.000 5.500 6.000 6.500 7.000 7.500 8.000 8.500 9.000 9.500 10.000 10.500 11.000 11.500 12.000 12.500 13.000 13.500 14.000 14.500 15.000 15.500 16.000 16.500 17.000 17.500 18.000 18.500 19.000 19.500 20.000 20.500 21.000 21.500 22.000 22.500 23.000 23.500 24.000 24.500 25.000 25.500 26.000 26.500 27.000 27.500 28.000 28.500 29.000 29.500 30.000 30.500 31.000 31.500 32.000 32.500 33.000 33.500 34.000 34.500 35.000 35.500 36.000 36.500 37.000 37.500 38.000 38.500 39.000 39.500 40.000 40.500 41.000 41.500 42.000 42.500 43.000 43.500 44.000 44.500 45.000 45.500 46.000 46.500 47.000 47.500 48.000 48.500 49.000 49.500 50.000 50.500 51.000 51.500 52.000 52.500 53.000 53.500 54.000 54.500 55.000 55.500 56.000 56.500 57.000 57.500 58.000 58.500 59.000 59.500 60.000 60.500 61.000 61.500 62.000 62.500 63.000 63.500 64.000 64.500 65.000 65.500 66.000 66.500 67.000 67.500 68.000 68.500 69.000 69.500 70.000 70.500 71.000 71.500 72.000 72.500 73.000 73.500 74.000 74.500 75.000 75.500 76.000 76.500 77.000 77.500 78.000 78.500 79.000 79.500 80.000 80.500 81.000 81.500 82.000 82.500 83.000 83.500 84.000 84.500 85.000 85.500 86.000 86.500 87.000 87.500 88.000 88.500 89.000 89.500 90.000 90.500 91.000 91.500 92.000 92.500 93.000 93.500 94.000 94.500 95.000 95.500 96.000 96.500 97.000 97.500 98.000 98.500 99.000 99.500 100.000 100.500 101.000 101.500 102.000 102.500 103.000 103.500 104.000 104.500 105.000 105.500 106.000 106.500 107.000 107.500 108.000 108.500 109.000 109.500 110.000 110.500 111.000 111.500 112.000 112.500 113.000 113.500 114.000 114.500 115.000 115.500 116.000 116.500 117.000 117.500 118.000 118.500 119.000 119.500 120.000 120.500 121.000 121.500 122.000 122.500 123.000 123.500 124.000 124.500 125.000 125.500 126.000 126.500 127.000 127.500 128.000 128.500 129.000 129.500 130.000 130.500 131.000 131.500 132.000 132.500 133.000 133.500 134.000 134.500 135.000 135.500 136.000 136.500 137.000 137.500 138.000 138.500 139.000 139.500 140.000 140.500 141.000 141.500 142.000 142.500 143.000 143.500 144.000 144.500 145.000 145.500 146.000 146.500 147.000 147.500 148.000 148.500 149.000 149.500 150.000 150.500 151.000 151.500 152.000 152.500 153.000 153.500 154.000 154.500 155.000 155.500 156.000 156.500 157.000 157.500 158.000 158.500 159.000 159.500 160.000 160.500 161.000 161.500 162.000 162.500 163.000 163.500 164.000 164.500 165.000 165.500 166.000 166.500 167.000 167.500 168.000 168.500 169.000 169.500 170.000 170.500 171.000 171.500 172.000 172.500 173.000 173.500 174.000 174.500 175.000 175.500 176.000 176.500 177.000 177.500 178.000 178.500 179.000 179.500 180.000 180.500 181.000 181.500 182.000 182.500 183.000 183.500 184.000 184.500 185.000 185.500 186.000 186.500 187.000 187.500 188.000 188.500 189.000 189.500 190.000 190.500 191.000 191.500 192.000 192.500 193.000 193.500 194.000 194.500 195.000 195.500 196.000 196.500 197.000 197.500 198.000 198.500 199.000 199.500 200.000 200.500 201.000 201.500 202.000 202.500 203.000 203.500 204.000 204.500 205.000 205.500 206.000 206.500 207.000 207.500 208.000 208.500 209.000 209.500 210.000 210.500 211.000 211.500 212.000 212.500 213.000 213.500 214.000 214.500 215.000 215.500 216.000 216.500 2	



FIGURES 8, 9, 10 ANGULAR ACTUATION							
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVEL AND RELATED TERMINALS CONTACT OPERATING CONTACT CLOSED DIFFERENTIAL TRAVEL	MAXIMUM OPERATING TRAVEL $\frac{1}{16}$ " LO-1H	MAXIMUM DISCONNECT TRAVEL $\frac{1}{16}$ " LO-1H	MAX. OPERATE DEGREE/S	MIN. OPERATE DEGREE/S	MAX. OPERATING OPS./MIN.
GL**02A*	Snap - ACTION CONTACTS SINGLE POLE Z1 Zb	21-22 26° 55+° 85° 13-14 C 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	MINIMUM TRAVEL		MAXIMUM TRAVEL		MAXIMUM DISCONNECT FORCE		MIN OPERATE VEL	MAX OPERATE VEL
		DIFFERENTIAL TRAVEL	POSITIVE OPENING TO IEC 947-5-1	CONTACT CLOSED TO IEC 947-5-1	CONTACT CLOSED TO IEC 947-5-1	OPERATING FORCE	OPERATING FORCE	mm/s	mm/s
GL**02A*			9-7 2-2	11-4 2-6	85 33.5	8.5 .33		250	

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MICRO SWITCH
a Honeywell Division

SWITCH, ENCLOSED

GL SERIES CHART 2

THIRD ANGLE PROJECTION			
			
SCALE		FULL	
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DIMENSIONS AND COORDINATES ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:			
FIN.	MIN.	TOL.	FIN.
NO PLACES	2	0.00	0.0
ONE PLACE	2.5	0.05	0.05
TWO PLACES	0.00	0.00	0.00
THREE PLACES	0.00	0.00	0.00
2. D. METRIC ☒ VS. CUSTOMARY ☐			
DESIGN UNITS			

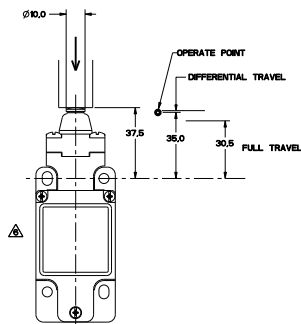


FIGURE 11

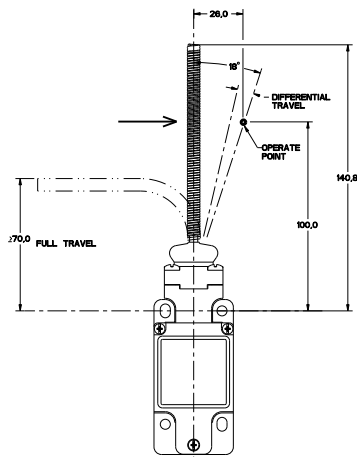


FIGURE 12

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	MAXIMUM OPERATING FORCE LB	MAXIMUM DISCONNECT FORCE LB	MAX OPERATE VEL - MAX IN/S	MIN OPERATE VEL IN/S	MAX OPERATE FREQUENCY OPS/MIN		
GL**02B	SNAP - ACTION CONTACTS SINGLE POLE 	 0.9 DIFFERENTIAL TRAVEL	16 3.6	27 6.0	0.1 3.9	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	MAXIMUM OPERATING TORQUE LB-IN	MAXIMUM DISCONNECT TORQUE LB-IN	MAX OPERATE DEGREE/S	MIN OPERATE VELOCITY DEGREE/S	MAX OPERATE RATE CYCLES/MIN		
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 	 0 DIFFERENTIAL TRAVEL	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	MAXIMUM OPERATING FORCE LB	MAXIMUM DISCONNECT FORCE LB	MAX OPERATE VEL - MAX IN/S	MIN OPERATE VEL IN/S	MAX OPERATE FREQUENCY OPS/MIN		
GL**02E	SNAP - ACTION CONTACTS SINGLE POLE 	 12 DIFFERENTIAL TRAVEL	2.5 0.6	N/A	5 19.7	1.1 .43	100		

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MICRO SWITCH Honeywell Division	SWITCH, ENCLOSED	GL SERIES CHART 2	

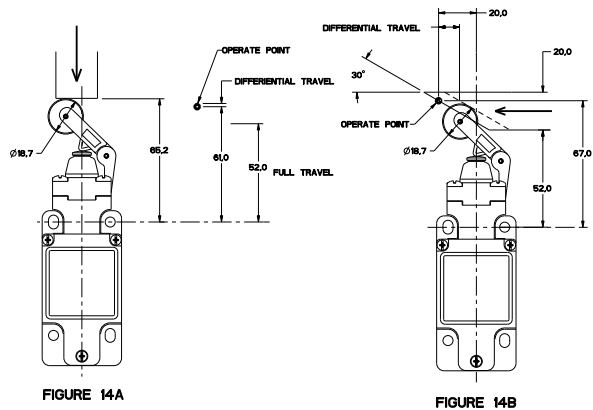


FIGURE 14A. TOP ROLLER LEVER HEAD WITH PIN ACTUATION									
CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED, CONTACT OPEN, CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5	MAXIMUM OPERATING FORCE LB	MAXIMUM DISCONNECT FORCE LB	MAX OPERATE VEL - MAX IN/S	MIN OPERATE VEL - MAX IN/S	MAX OPERATE FREQUENCY OPS/MIN		
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE	65.2 61 56.9** 52 21-22 13-14 1.7 DIFFERENTIAL TRAVEL	3.5 2.1	12 2.7	0.17 6.7	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	MAXIMUM OPERATING FORCE LB	MAXIMUM DISCONNECT FORCE LB	MAX OPERATE VEL - MAX IN/S	MIN OPERATE VEL - MAX IN/S	MAX OPERATE FREQUENCY OPS/MIN		
GL**02D	SNAP - ACTION CONTACTS SINGLE POLE	21-22 0 20 29.1** 13-14 4.1 DIFFERENTIAL TRAVEL	5.5 1.2	7.0 1.6	0.29 11.4	2.9 .11	250		

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MICRO SWITCH
Honeywell Division

SWITCH, ENCLOSED

GL SERIES CHART 2

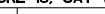
THIRD ANGLE PROJECTION

SCALE: FULL

DO NOT SCALE PRINT

TOLERANCES:
FRACTIONS DECIMALS ANGLES
.0005 .0001 15.0 15.0 15.0

WEIGHT: .0001

FIGURE 15. CAT WISKER HEAD, ANGULAR ACTUATION						
CATALOG LISTING	CONTACT BLOCK DIAGRAM	 NOMINAL TRAVELS AND RELATED TERMINALS  CONTACT OPENING  DIFFERENTIAL TRAVEL	MAXIMUM OPERATING FORCE LB-IN	MAXIMUM DISCONNECT FORCE LB-IN	MAX OPERATE DEGREE/S	MIN OPERATE RATE CYCLES/MIN
GL**02K			8.1 .9	N/A	360	8 100

CATALOG LISTING	CONTACT BLOCK DIAGRAM	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED. — CONTACT OPEN. — CONTACT CLOSED. DIFFERENTIAL TRAVEL	MAXIMUM OPERATING FORCE LB	MAXIMUM DISCONNECT — LB	MAX OPERATE VEL — IN/S — F/S	MIN OPERATE VEL — IN/S — F/S	MAX OPERATE FREQUENCY OPS/MIN
GL••02K			1.3 .3	N/A	5 19.7	11 .43	100



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FED. WFO. CODE 91929		CATALOG LISTING
MICRO SWITCH a Honeywell Division	SWITCH, ENCLOSED	GL SERIES CHART

SWITCH, ENCLOSED

GL SERIES CHART 2

THIRD ANGLE PROJECTION			
			
SCALE		FULL	
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DIMENSION UNLESS OTHERWISE SPECIFIED AND ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE:			
ALL PLACES	0.00	0.00	0.00
ALL PLACES	0.00	0.00	0.00
ALL PLACES	0.00	0.00	0.00
ALL PLACES	0.00	0.00	0.00
± 0.00			
DESIGN UNITS		US CUSTOMARY	
☒		☐	