

WGL A

SPECIALS

BODY TYPE CODE		SOFTWARE VERSION CODE		RF CODE		ANTENNA TYPE CODE ⁵ / ₁₁		COUNTRY USE CODE ⁵		OPERATING HEAD CODE		LEVER CODE		ROLLER CODE		MODIFICATION CODE		
A	EN50041, METAL DIN ENCLOSURE	1	VERSION 1	A	2.4 GHz; IEEE 802.15.4	00	NO ANTENNA; RP-SMA CONNECTOR JACK ⁸	A	US, CANADA	A	SIDE ROTARY MOMENTARY	NONE	NOT APPLICABLE	NONE	NOT APPLICABLE	NONE	NOT APPLICABLE	
						01	2.2 dBi OMNI WITH SWITCH MOUNT; STRAIGHT DESIGN	B	EUROPEAN COUNTRIES	B	TOP PIN PLUNGER	1	STANDARD FIXED LENGTH	A	19 X 6,35 (.75 X .25) NYLON	3	HEAD ASSEMBLED WITH ACTUATOR TO RIGHT SIDE	
						02	2.2 dBi OMNI WITH SWITCH MOUNT; TILT & SWIVEL DESIGN	C	AUSTRALIA	C	TOP ROLLER PLUNGER	2	ADJUSTABLE ROLLER	B	19 X 6,35 (.75 X .25) STEEL	4	HEAD ASSEMBLED WITH ACTUATOR TO LEFT SIDE	
						03	3.0 dBi OMNI WITH REMOTE ADHESIVE MOUNT & 9.8 FOOT CABLE				D	TOP ROLLER LEVER	3	YOKE ROLLER	D	38,1 X 6,35 (1.5 X .25) NYLON	5	HEAD ASSEMBLED WITH ACTUATOR TOWARDS MOUNTING SURFACE
						04	5.5 dBi OMNI WITH REMOTE MAGNETIC MOUNT; TILT & SWIVEL DESIGN & 5 FOOT CABLE ⁹						4	ADJUSTABLE ROD	J	200mm ALUMINUM ADJUSTABLE ROD	6	ROLLER PERPENDICULAR TO MOUNTING SURFACE
						05	5.5 dBi OMNI WITH REMOTE MAGNETIC MOUNT; TILT & SWIVEL DESIGN & 10 FOOT CABLE ⁹						5	OFFSET	K	140mm ALUMINUM ADJUSTABLE ROD		
						06	9.0 dBi OMNI WITH REMOTE MAGNETIC MOUNT; TILT & SWIVEL DESIGN & 5 FOOT CABLE ⁹								N	318mm STAINLESS STEEL ADJUSTABLE ROD		
						07	9.0 dBi OMNI WITH REMOTE MAGNETIC MOUNT; TILT & SWIVEL DESIGN & 10 FOOT CABLE ⁹								T	19 X 8,76 (.75 X .345) STAINLESS STEEL		
						08	8.0 dBi OMNI WITH REMOTE BRACKET MOUNT; STRAIGHT DESIGN & 3 FOOT CABLE								W	40,0 X 12,7 (1.5 X .5) RUBBER		
						09	8.0 dBi OMNI WITH REMOTE BRACKET MOUNT; STRAIGHT DESIGN & 11 FOOT CABLE								Y	50,9 X 12,7 (2.0 X .5) RUBBER		
						10	2.2 dBi OMNI WITH REMOTE MAGNETIC MOUNT; STRAIGHT DESIGN & 10 FOOT CABLE											

ANTENNA TYPE	MIN CABLE/CONNECTOR LOSS (dB)
01	0.4 dB
02	0.4 dB
03	4.70 dB
04	2.54 dB
05	4.53 dB
06	2.54 dB
07	4.53 dB
08	1.33 dB
09	2.68 dB
10	4.53 dB

RADIO	WPAN 802.15.4; 2.4GHz POINT TO POINT; GLOBAL, LICENSE-FREE BANDS
SIGNAL RANGE	NOMINAL 250 m* FOR INTERNATIONAL USE (EUROPE AND AUSTRALIA DUE TO SIGNAL RESTRICTIONS); NOMINAL 1000 ft* FOR USE IN US AND CANADA *CLEAR LINE OF SIGHT BETWEEN LIMITLESS SWITCH AND MONITOR/RECEIVER WHEN USING A 2.1 dBi INTEGRAL ANTENNA
HOUSING MATERIAL/TYPE	POWDER COATED ZINC DIE-CAST/EN 50041
BATTERY	3.6 Vdc LITHIUM THIONYL CHLORIDE; 2/3 AA size; MANUFACTURED BY UNIWELL, PART NUMBER DEV-10-009; HONEYWELL P/N WBT1
SEALING	IP67, NEMA 1,4,12,13
EMC	LATEST APPLICABLE STANDARDS: EN 300 328, VI.7.1; EN 61326-1 (2006); EN 301 489-1, VI.8.1; EN 301 489-17, V2.1.1
SHOCK	IEC 60068-2-27; HALF SINE, 10g, 6ms, 3 AXIS
VIBRATION	IEC 60068-2-6; 10-500Hz w/ .35 mm- PEAK-TO-PEAK, 58-500 Hz-5g
OPERATING TEMPERATURE	-25°C to 85°C (-13°F TO 185°F); SIDE ROTARY to -40°C / -40°F (ALL PRODUCTS STORAGE TEMP. RANGE -40°C TO +85°C / -40°F TO 185°F)
WEIGHT	510g APPROX. WITHOUT ANTENNA

- NOTES:
- END USER WILL REQUIRE A HONEYWELL WPMM MONITOR UNIT TO RECEIVE SIGNAL FROM THESE WGL PRODUCTS
 - HEADS MAY BE INDEXED IN 90° INCREMENTS
 - LEVERS MAY BE KEYED TO SHAFT AT 90° INCREMENTS. THEY MAY ALSO BE ATTACHED BUT NOT KEYED ANYWHERE ON THE SHAFT
 - FOR ADDITIONAL LEVERS SEE INSTALLATION DRAWING GLZ5 SERIES CHART 1
 - ONLY ANTENNA TYPE CODES 00, 01, 02, 03, 05 & 10 AVAILABLE WITH COUNTRY USE CODE B, ALL ANTENNA TYPE CODES AVAILABLE FOR COUNTRY USE CODES A & C
 - FREE POSITION, OPERATE POINT, OVERTRAVEL AND PRETRAVEL ALL TO EN50041
 - CAM TRAVEL FOR FIG. 8 ONLY APPLIES WHEN LEVER IS ADJUSTED TO 38.1
 - SWITCH WILL REQUIRE AN ANTENNA TO FUNCTION PROPERLY
 - 5.5 dBi & 9.0 dBi ANTENNAS RATED FOR LIMITED OUTDOOR EXPOSURE. PROTECT AGAINST DIRECT RAIN, SLEET, SNOW & ICE ETC. EXPOSURE.
 - EIRP (dBm) = RADIO OUTPUT POWER (dBm) + CABLE/CONNECTOR LOSS (dB) + ANTENNA GAIN (dBi)
 - FOR ADDITIONAL ANTENNA DETAILS SEE INDIVIDUAL HONEYWELL DRAWINGS LISTED IN THE ACCESSORIES & REPLACEMENT COMPONENT CHART
 - OPTIONAL ACCESSORIES & REPLACEMENT COMPONENTS PER THE ATTACHED CHART ARE OFFERED FOR SALE BY HONEYWELL

ANTENNA TYPE CODE	ANTENNA MAX. GAIN/TYPE	RADIO USAGE	APPLICATION MOUNTING	AGENCY/COUNTRY	MAX. RADIO OUTPUT POWER (dBm)	MAX. EIRP (dBm)
01, 02, 10	2.2 dBi OMNI	POINT TO POINT	INTEGRAL* OR REMOTE**	FCC, IC/USA, CANADA	18	36.00
01, 02, 10	2.2 dBi OMNI	POINT TO POINT	INTEGRAL* OR REMOTE**	ACMA/AUSTRALIA	10	19.24
01, 02, 10	2.2 dBi OMNI	POINT TO POINT	INTEGRAL* OR REMOTE**	ETSI/EUROPEAN COUNTRIES	10	12.86***
03	3.0 dBi OMNI	POINT TO POINT	REMOTE*	FCC, IC/USA, CANADA	18	36.00
03	3.0 dBi OMNI	POINT TO POINT	REMOTE*	ACMA/AUSTRALIA	10	19.24
03	3.0 dBi OMNI	POINT TO POINT	REMOTE*	ETSI/EUROPEAN COUNTRIES	10	12.86***
04, 05	5.5 dBi OMNI	POINT TO POINT	INTEGRAL** OR REMOTE**	FCC, IC/USA, CANADA	18	36.00
04, 05	5.5 dBi OMNI	POINT TO POINT	INTEGRAL** OR REMOTE**	ACMA/AUSTRALIA	10	19.24
05	5.5 dBi OMNI	POINT TO POINT	REMOTE**	ETSI/EUROPEAN COUNTRIES	10	12.86***
08, 09	8.0 dBi OMNI	POINT TO POINT	REMOTE*	FCC, IC/USA, CANADA	18	36.00
08, 09	8.0 dBi OMNI	POINT TO POINT	REMOTE*	ACMA/AUSTRALIA	10	19.24
06, 07	9.0 dBi OMNI	POINT TO POINT	INTEGRAL** OR REMOTE**	FCC, IC/USA, CANADA	18	36.00
06, 07	9.0 dBi OMNI	POINT TO POINT	INTEGRAL** OR REMOTE**	ACMA/AUSTRALIA	10	19.24

ACCESSORY CATALOG LISTING	SEE HONEYWELL DRAWING ¹¹	DESCRIPTION
WAN01RSP	WAN01RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODE 01
WAN02RSP	WAN02RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODE 02
WAN03RSP	WAN03RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODE 03
WAN04RSP	WAN04RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODES 04 & 05, ANTENNA ONLY
WAN05RSP	WAN05RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODES 06 & 07, ANTENNA ONLY
WAN06RNJ	WAN06RNJ	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODES 08 & 09, ANTENNA ONLY
WCA200RNPRSP-002	WCA200RNPRSP	REPLACEMENT CABLE FOR ANTENNA CODE 08, CABLE ONLY
WCA200RNPRSP-010	WCA200RNPRSP	REPLACEMENT CABLE FOR ANTENNA CODE 09, CABLE ONLY
WAMM100RSP-005	WAMM100RSP	REPLACEMENT MAGNETIC MOUNT & CABLE FOR ANTENNA CODES 04 & 06
WAMM100RSP-010	WAMM100RSP	REPLACEMENT MAGNETIC MOUNT & CABLE FOR ANTENNA CODES 05, 07 & 10

* INDOOR OR OUTDOOR USE
** INDOOR OR LIMITED OUTDOOR EXPOSURE. PROTECT AGAINST DIRECT RAIN, SALT, SNOW, ICE, ETC.
*** TRANSMISSION IN 2400 TO 2454 MHZ RANGE ONLY

DESIGN UNITS: MM TOLERANCES UNLESS NOTED:	DRAWN: MAM I6NOV09 CHECK: MAM I6NOV09	
NO PLACES .x ± 1.000 ONE PLACE .x ± 0.40 TWO PLACE .xx ± 0.150 THREE PLACE .xxx ± 0.005 ANGLES x ± 3°	THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL. INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY	
THIRD ANGLE PROJECTION	TITLE: SWITCH, LIMIT (WIRELESS) SIZE: A1 TYPE: 1 CAGE CODE: - DRAWING NAME: WGL SERIES CHART 1 REV: C SCALE: NONE SHEET: 1 OF 5	

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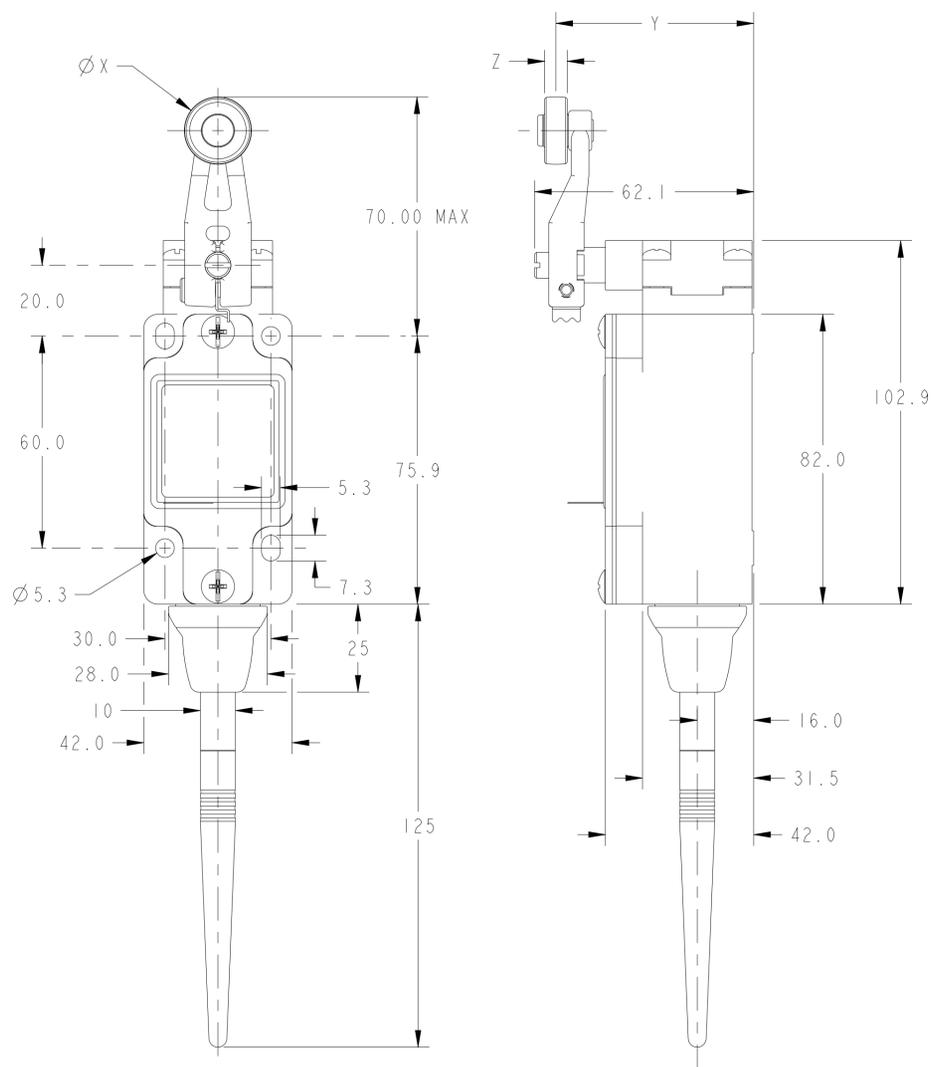


FIGURE 1 - SIDE ROTARY HEAD WITH GLZ51 SERIES LEVER

LEVER	ROLLER MATERIAL	X DIM	Y DIM	Z DIM
GLZ51A	NYLON	19.1	55.9	6.4
GLZ51B	STEEL	19.1	55.9	6.4
GLZ51T	STAINLESS STEEL	19.1	56.8	8.8
GLZ51Y	RUBBER	50.0	66.1	10.0

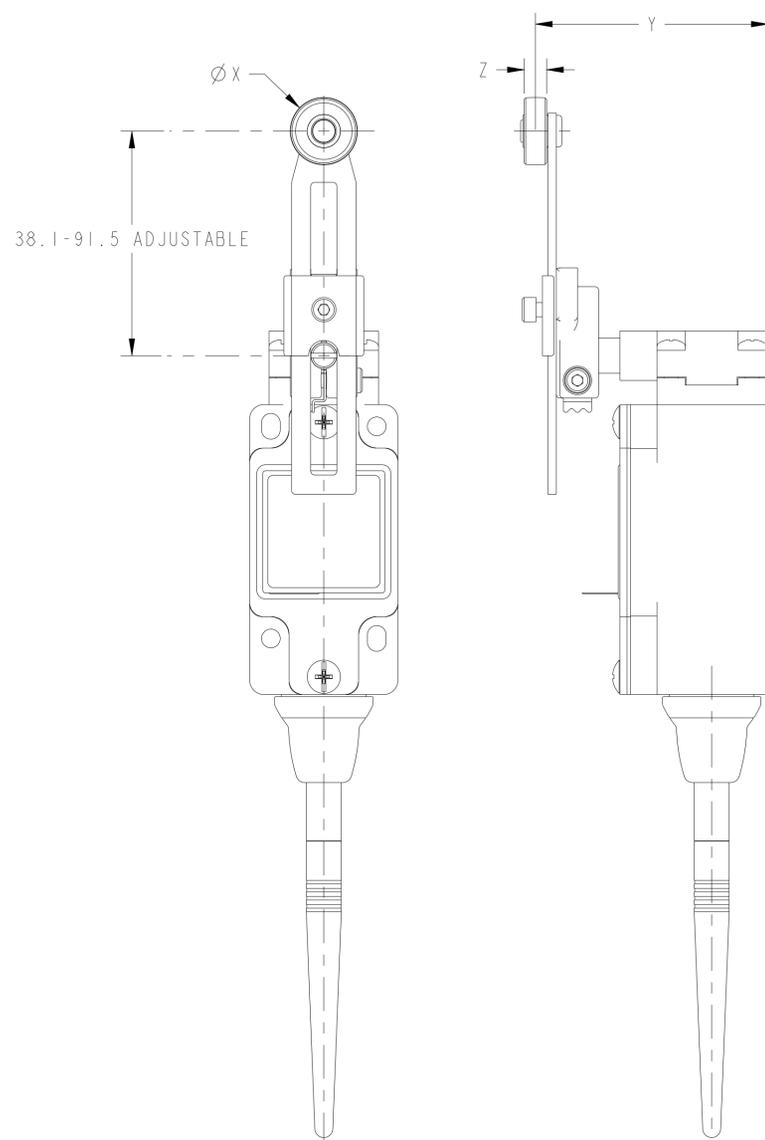


FIGURE 2 - SIDE ROTARY HEAD WITH GLZ52 SERIES LEVERS
OTHERWISE REFER TO FIGURE 1

LEVER	ROLLER MATERIAL	X DIM	Y DIM	Z DIM
GLZ52A	NYLON	19.1	65.9	6.4
GLZ52B	STEEL	19.1	65.9	6.4
GLZ52D	NYLON	38.1	65.9	6.4
GLZ52E	NYLON	19.1	79.4	33.1
GLZ52W	RUBBER	40.0	71.5	12.7
GLZ52Y	RUBBER	50.0	68.8	10.0

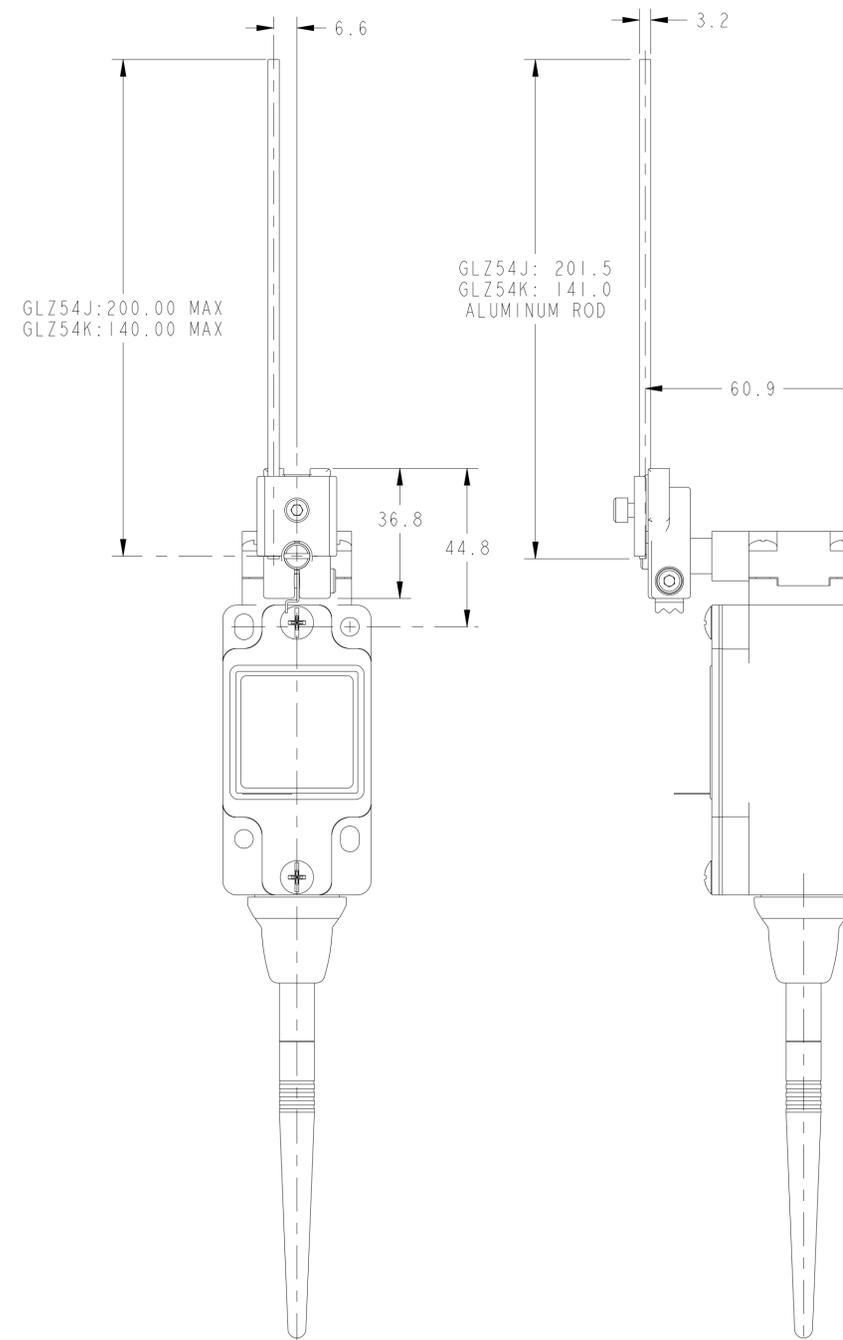


FIGURE 3 - SIDE ROTARY HEAD WITH GLZ54 SERIES LEVERS
OTHERWISE REFER TO FIGURE 1

SIDE ROTARY

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SIZE A1	TYPE I	CAGE CODE -	DRAWING NAME WGL SERIES CHART 1
SCALE 1:1	SHEET 2 OF 5		REV C

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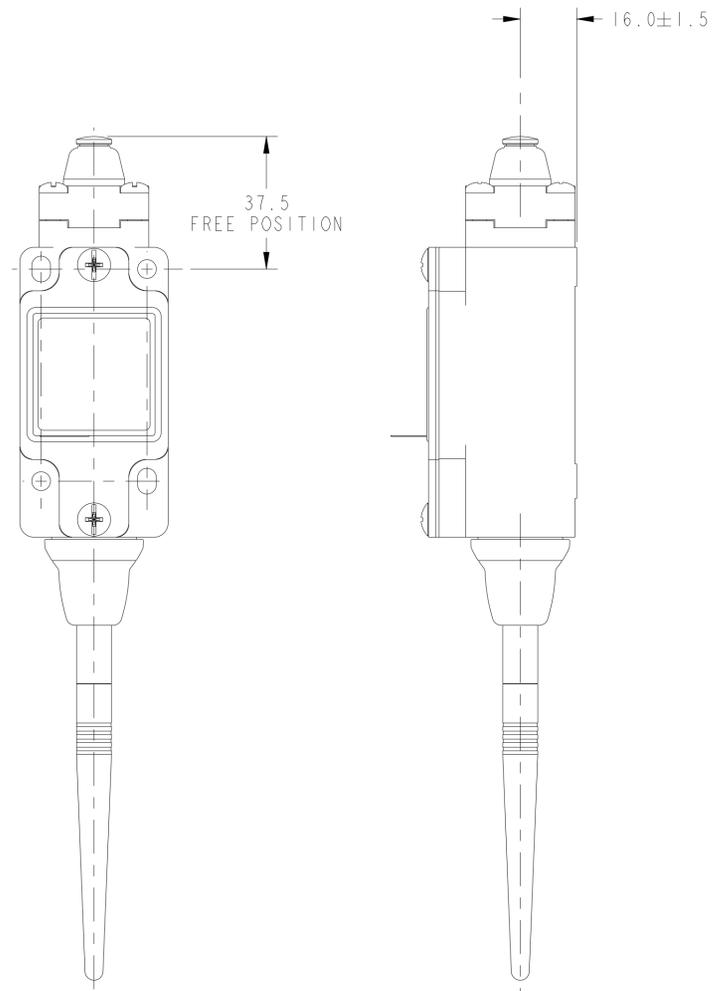


FIGURE 4 - TOP PIN PLUNGER HEAD
OTHERWISE REFER TO FIGURE 1

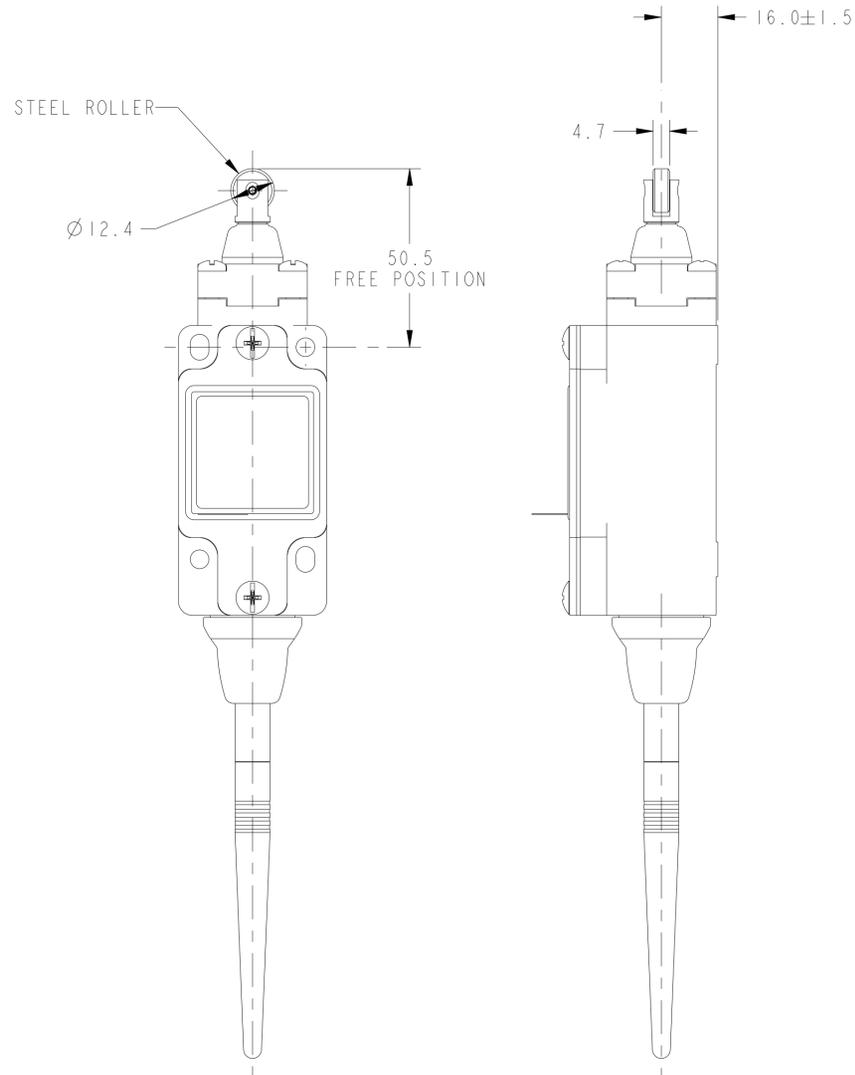


FIGURE 5 - TOP ROLLER PLUNGER HEAD
OTHERWISE REFER TO FIGURE 1

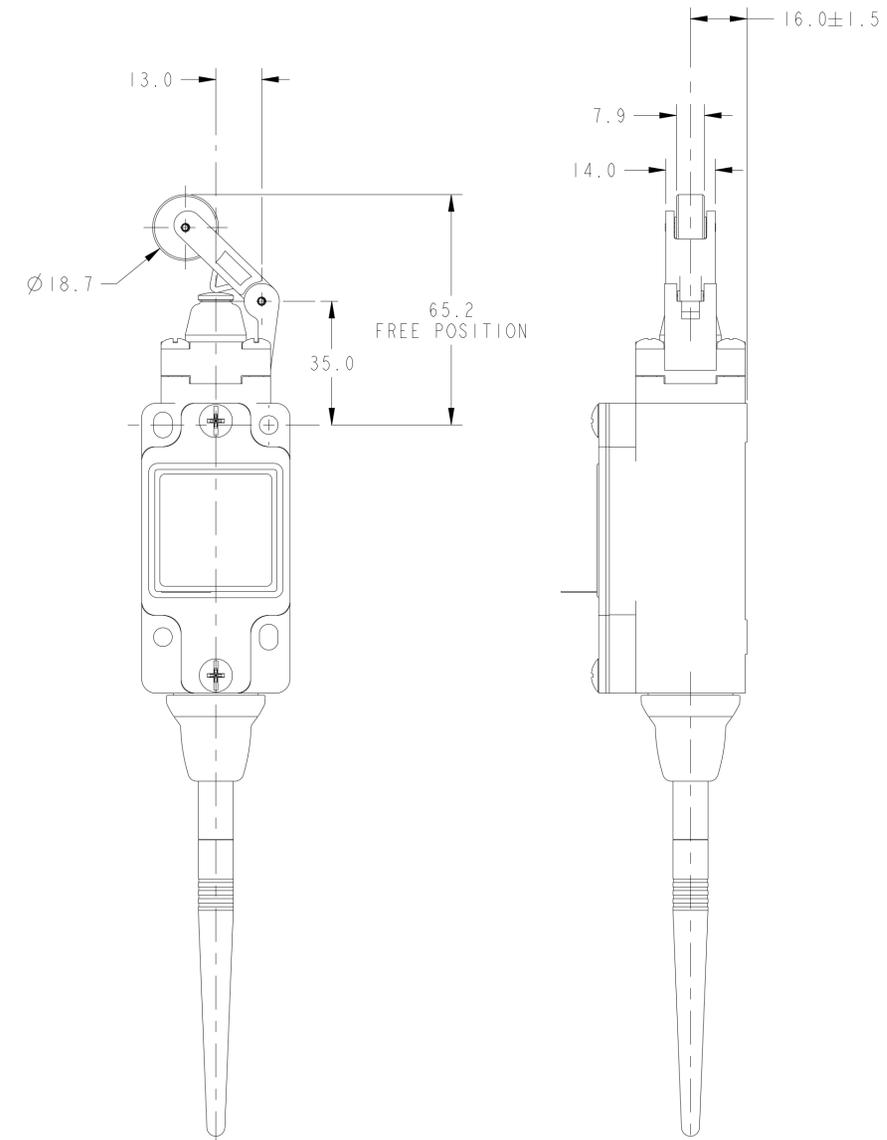


FIGURE 6 - TOP LEVER HEAD
OTHERWISE REFER TO FIGURE 1

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SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
A1	I	-	WGL SERIES CHART 1	C
SCALE	1:1		SHEET	3 OF 5

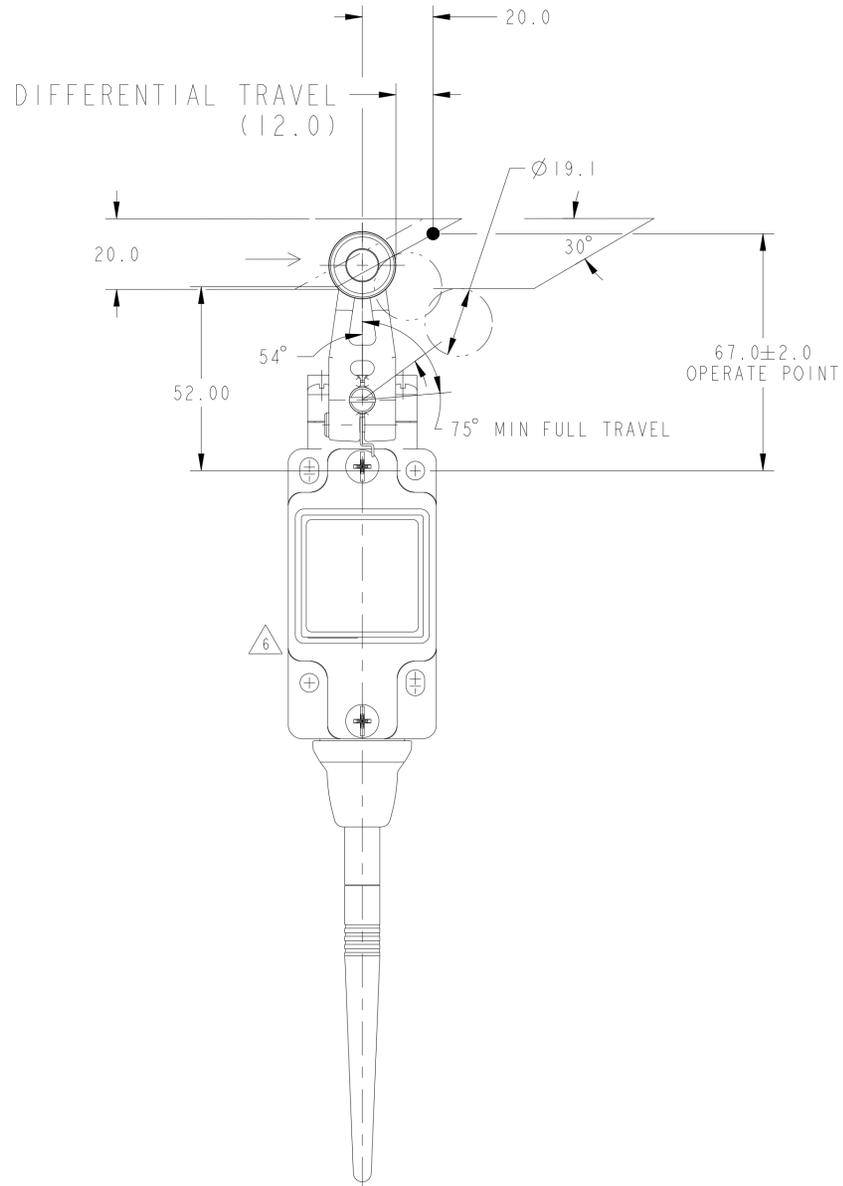


FIGURE 7

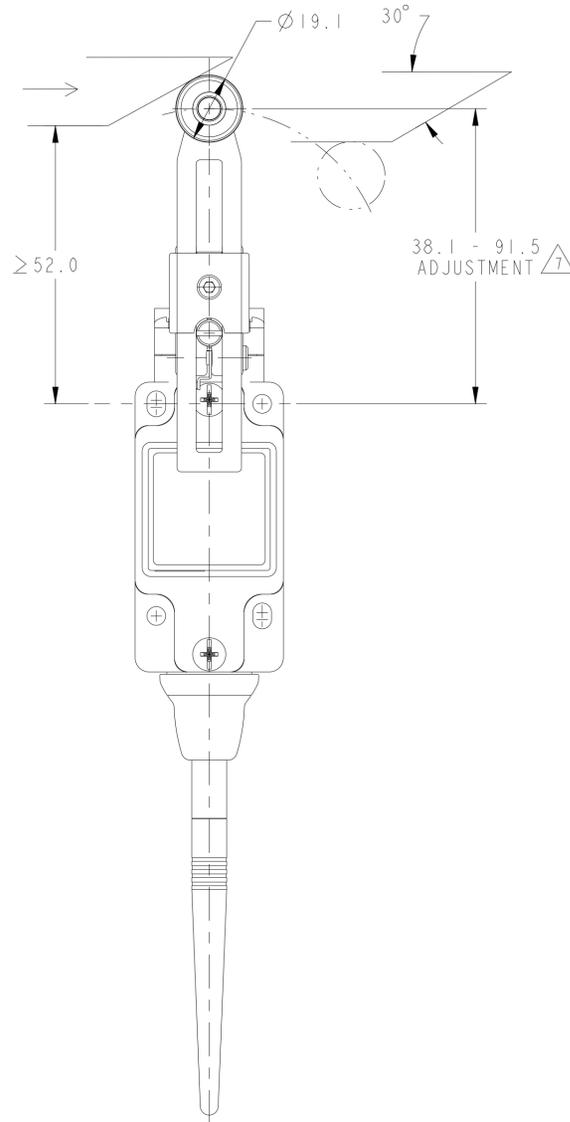


FIGURE 8

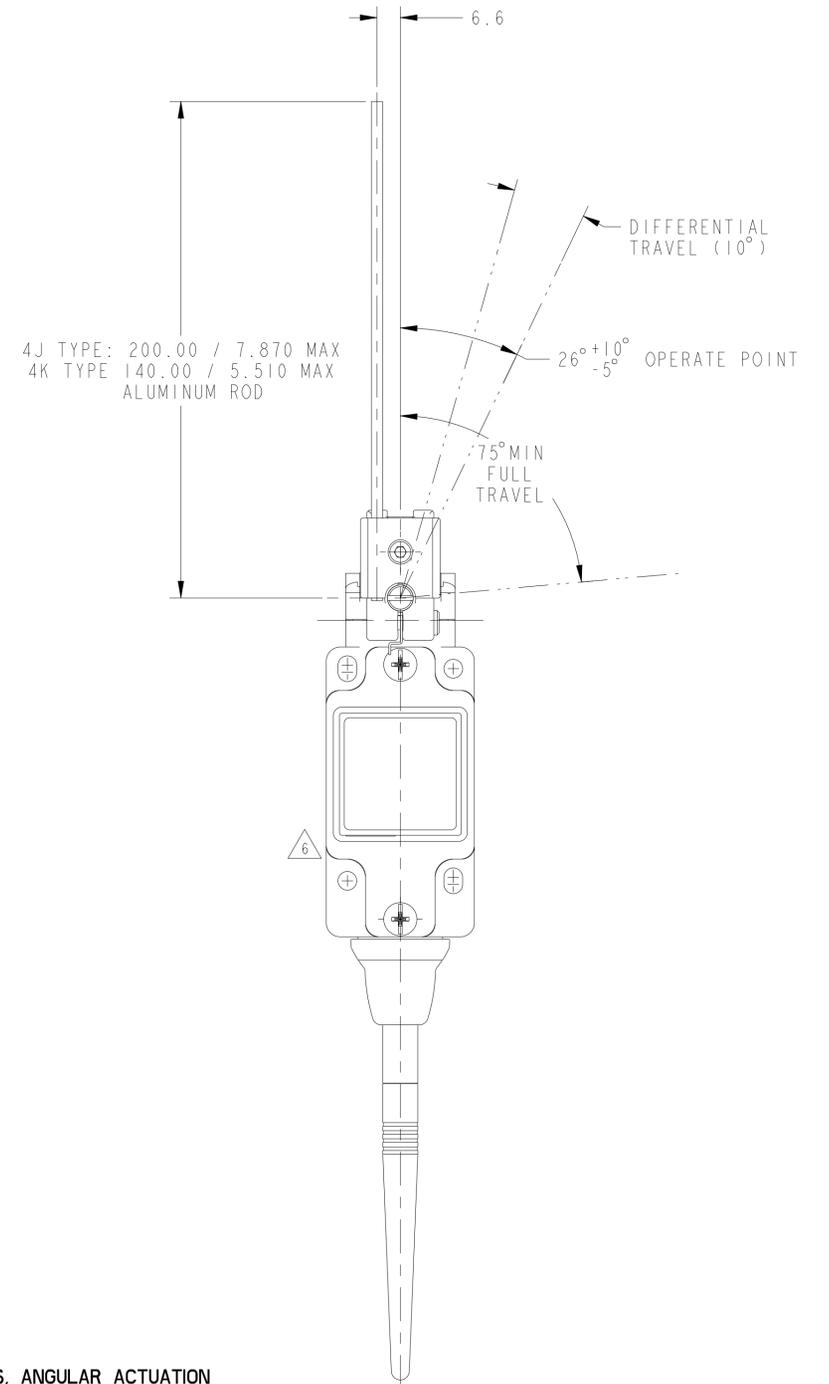


FIGURE 9

FIGURES 7 & 8, ROTARY HEADS, CAM ACTUATION

MAXIMUM OPERATING FORCE: 9.7 N / 2.2 LB
 MAXIMUM DISCONNECT FORCE: 11.4 N / 2.6 LB
 MAXIMUM OPERATING VELOCITY: 85 M/S / 33.5 in/S
 MINIMUM OPERATING VELOCITY: 8.5 mm/S / .33 in/S
 MAXIMUM OPERATING FREQUENCY: 120 OPS/MIN

FIGURES 7, 8 & 9, SIDE ROTARY HEADS, ANGULAR ACTUATION

MAXIMUM OPERATING TORQUE / FORCE: .33 N-m / 2.9 LB-IN
 MAXIMUM DISCONNECT TORQUE: .385 N-m / 3.4 LB-IN
 MAXIMUM OPERATING DEGREES/S: 1290
 MINIMUM OPERATING DEGREES/S: 13
 MAXIMUM OPERATING FREQUENCY: 120 OPS/MIN

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SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
A1	I	-	WGL SERIES CHART 1	C
SCALE	1:1		SHEET 4 OF 5	

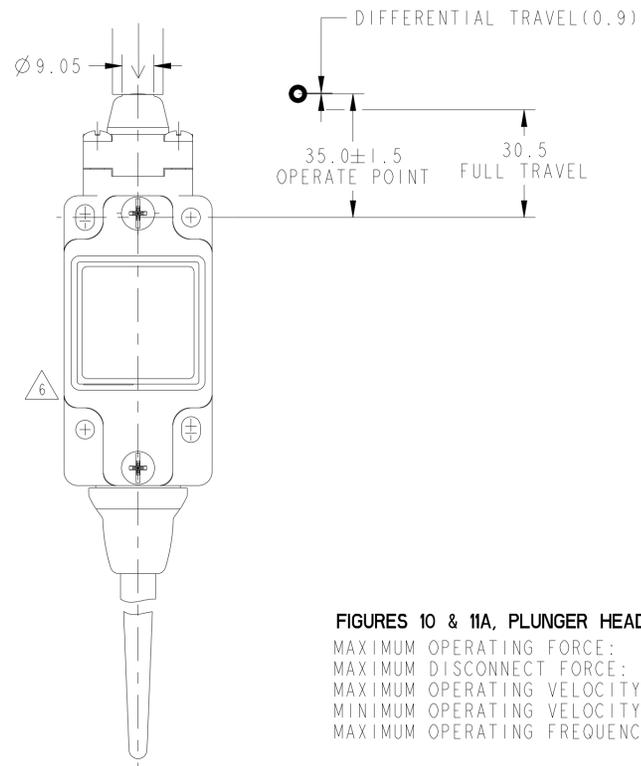


FIGURE 10

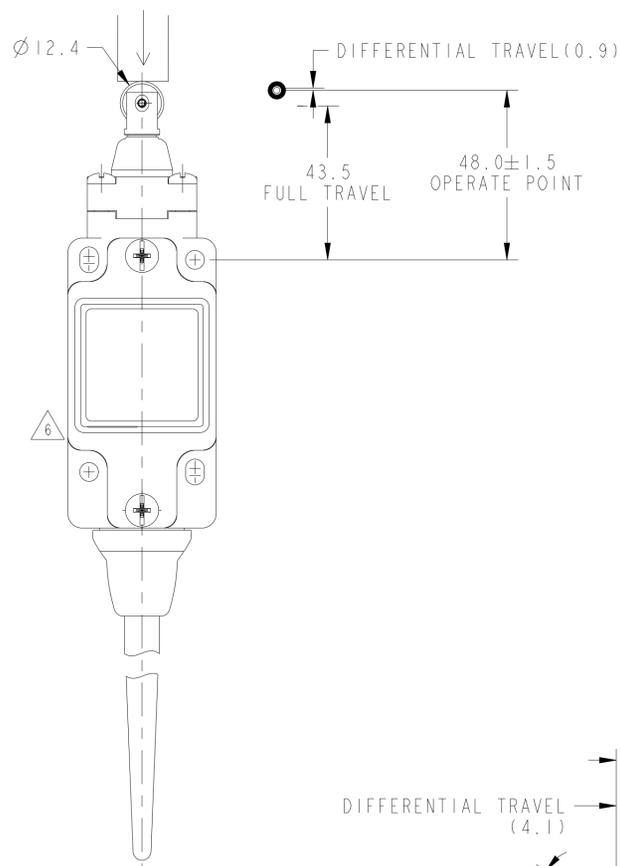


FIGURE 11A

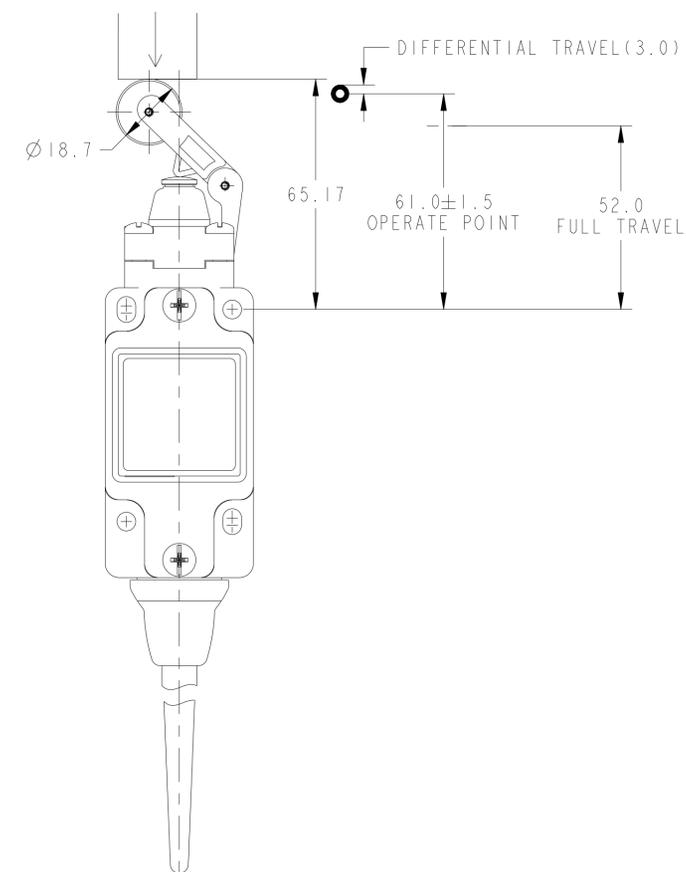


FIGURE 12A

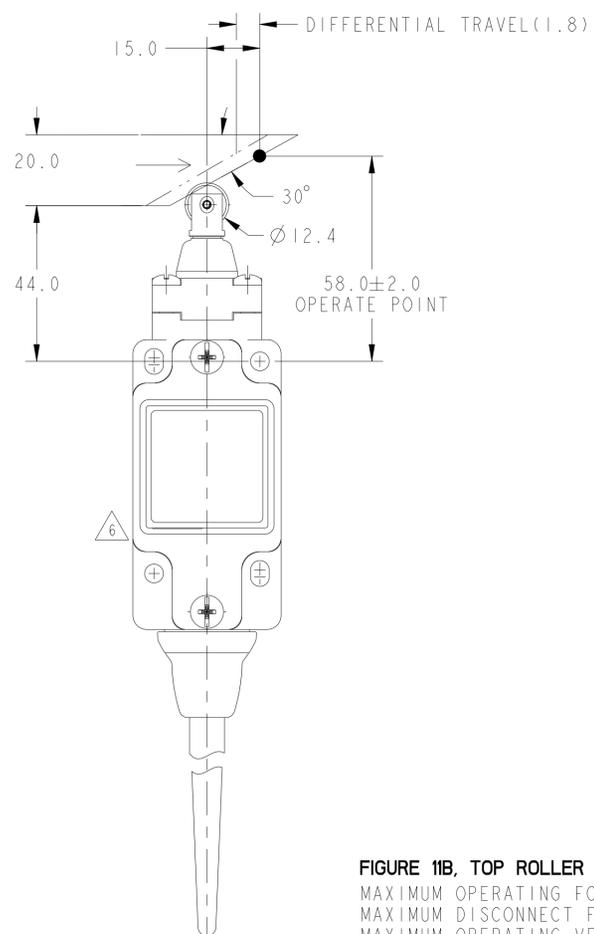


FIGURE 11B

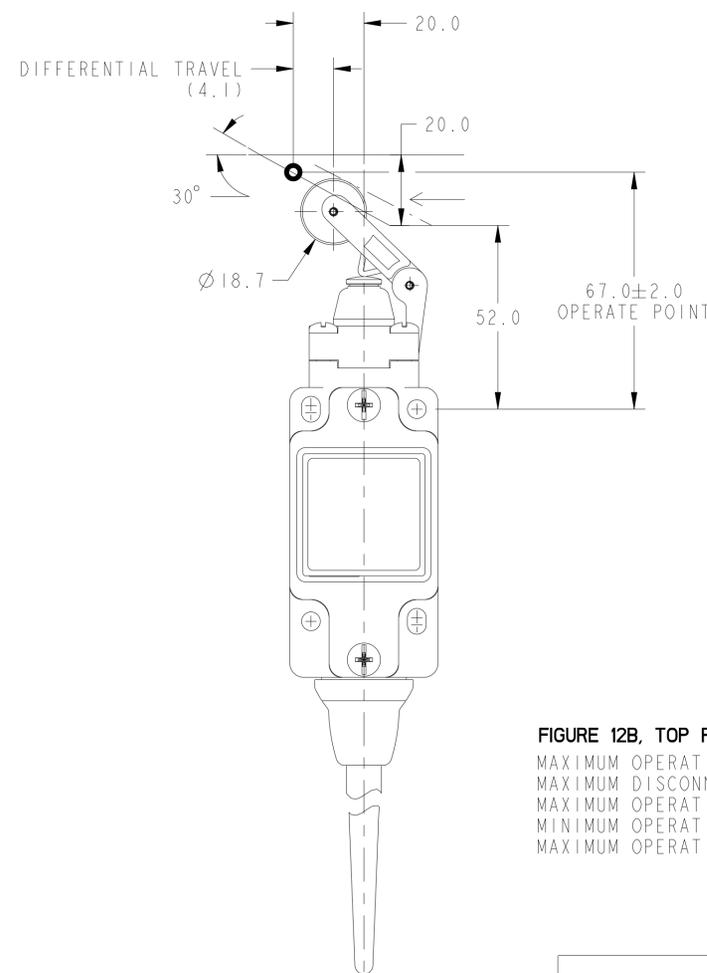


FIGURE 12B

FIGURES 10 & 11A, PLUNGER HEADS, LINEAR ACTUATION

MAXIMUM OPERATING FORCE: 16N / 3.6LB
 MAXIMUM DISCONNECT FORCE: 27N / 6.0LB
 MAXIMUM OPERATING VELOCITY: 0,1 M/S / 3.9 in/S
 MINIMUM OPERATING VELOCITY: 1,0 mm/S / .04 in/S
 MAXIMUM OPERATING FREQUENCY: 120 OPS/M

FIGURE 12A, TOP ROLLER LEVER HEAD, PIN ACTUATION

MAXIMUM OPERATING FORCE: 9,5N / 2.1LB
 MAXIMUM DISCONNECT FORCE: 12N / 2.7LB
 MAXIMUM OPERATING VELOCITY: 0,17 M/S / 6.7 in/S
 MINIMUM OPERATING VELOCITY: 1,7 mm/S / .067 in/S
 MAXIMUM OPERATING FREQUENCY: 120 OPS/M

FIGURE 12B, TOP ROLLER LEVER HEAD, CAM ACTUATION

MAXIMUM OPERATING FORCE: 5,5N / 1.2LB
 MAXIMUM DISCONNECT FORCE: 7,0N / 1.6LB
 MAXIMUM OPERATING VELOCITY: 0,29 M/S / 11.4 in/S
 MINIMUM OPERATING VELOCITY: 2,9 mm/S / .11 in/S
 MAXIMUM OPERATING FREQUENCY: 120 OPS/M

FIGURE 11B, TOP ROLLER PLUNGER HEAD, CAM ACTUATION

MAXIMUM OPERATING FORCE: 9,3N / 2.1LB
 MAXIMUM DISCONNECT FORCE: 15,6N / 3.5LB
 MAXIMUM OPERATING VELOCITY: 0,17 M/S / 6.7 in/S
 MINIMUM OPERATING VELOCITY: 1,7 mm/S / .067 in/S
 MAXIMUM OPERATING FREQUENCY: 120 OPS/M

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SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
A1	I	-	WGL SERIES CHART 1	C
SCALE	1:1		SHEET 5 OF 5	