

FO-55116-C

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HONEYWELL
PART NUMBER

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REV

DOCUMENT

CHANGED BY

CHECK

E

0092802

SBH 11SEP12

CMH

WGL A

SPECIALS

BODY TYPE CODE		SOFTWARE VERSION CODE		RF CODE		ANTENNA TYPE CODE ⁵ ¹⁰		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, MEXICO	A	SIDE ROTARY MOMENTARY	NONE	NOT APPPLICABLE	NONE	NOT APPLICABLE		NONE	NOT APPLICABLE	
	01					2.2 dBi OMNI WITH SWITCH MOUNT; STRAIGHT DESIGN	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	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													
11	0 dBi OMNI WITH INTEGRAL MOUNT; STRAIGHT DESIGN																		

WGLA PRODUCT SPECIFICATION CHART	
WIRELESS STANDARD	WPAN 802.15.4; 2.4GHz POINT TO POINT; GLOBAL, LICENSE-FREE BANDS
SIGNAL RANGE	IN EXCESS OF 305 m [1000 ft] LINE-OF-SIGHT COMMUNICATION BETWEEN LIMITLESS SWITCHES AND MONITOR/RECEIVER WHEN USING 2.2dBi INTEGRAL ANTENNA
DATA RATE	250 kbps
OPERATING FREQUENCY	ISSM 2.4GHz
RF MODULE TRANSMIT POWER MAX	COUNTRY CODE "A": 22dBm COUNTRY CODE "B": 8 dBm
RECEIVE SENSITIVITY (TYP.)	-100dBm
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; or GREEN ENERGY P/N ERI4335M
SEALING	IP67, NEMA 1,4,12,13
EMC	LATEST APPLICABLE STANDARDS: EN 300 328, V1.7.1; EN 61326-1 (2006); EN 301 489-1, V1.8.1; 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

COUNTRY USE CODE A						COUNTRY USE CODE B					
ANTENNA TYPE CODE ALLOWED FOR USE	ANTENNAS ALLOWED TO BE USED FOR INTEGRAL MOUNT	ANTENNAS ALLOWED TO BE USED FOR REMOTE MOUNT	ANTENNAS ALLOWED TO BE USED WITH MAGNETIC REMOTE MOUNT ASSEMBLIES WAMM100RSP-005 WAMM100RSP-010	ANTENNAS ALLOWED TO BE USED WITH ONE (1) EXTENSION CABLE ASSEMBLIES REMOTE MOUNT WCA200RSJRSP-002 WCA200RSJRSP-005 WCA200RSJRSP-010 WCA200RSJRSP-015 WCA200RSJRSP-020	ANTENNAS ALLOWED TO BE USED WITH ONE (1) EXTENSION CABLE ASSEMBLIES FOR REMOTE MOUNT WCA200RNPRSP-002 WCA200RNPRSP-010	ANTENNA TYPE CODE ALLOWED FOR USE	ANTENNAS ALLOWED TO BE USED FOR INTEGRAL MOUNT	ANTENNAS ALLOWED TO BE USED FOR REMOTE MOUNT	ANTENNAS ALLOWED TO BE USED WITH MAGNETIC REMOTE MOUNT ASSEMBLIES WAMM100RSP-005 WAMM100RSP-010	ANTENNAS ALLOWED TO BE USED WITH MAGNETIC REMOTE MOUNT ASSEMBLIES WAMM100RSP-010	ANTENNAS ALLOWED TO BE USED WITH ONE (1) EXTENSION CABLE ASSEMBLIES FOR REMOTE MOUNT WCA200RSJRSP-002 WCA200RSJRSP-005 WCA200RSJRSP-010 WCA200RSJRSP-015 WCA200RSJRSP-020
00 01 02 03 04 05 06 07 08 09 10 11	WAN01RSP WAN02RSP WAN04RSP WAN05RSP WAN07RSP WAN08RSP	WAN03RSP WAN06RNJ WAN09RSP WAN10RSP WAN11RSP	WAN01RSP WAN02RSP WAN04RSP WAN05RSP WAN07RSP WAN08RSP	WAN01RSP WAN02RSP WAN03RSP WAN04RSP WAN05RSP WAN07RSP WAN08RSP WAN09RSP WAN10RSP WAN11RSP	WAN06RNJ	00 01 02 03 05 10 11	WAN01RSP WAN02RSP WAN07RSP WAN08RSP	WAN03RSP WAN09RSP WAN10RSP	WAN01RSP WAN02RSP WAN07RSP WAN08RSP	WAN01RSP WAN02RSP WAN03RSP WAN07RSP WAN08RSP	WAN01RSP WAN02RSP WAN04RSP WAN07RSP WAN08RSP WAN09RSP WAN10RSP WAN11RSP

COUNTRY USE CODE	COMMUNICATION AGENCY APPROVAL	COUNTRY
A	IC, COFETEL, FCC	CANADA, MEXICO, US
B	ACMA, ANATEL, SRRC, ETSI, KCC, WPC, IDA	AUSTRALIA, NEW ZEALAND, BRAZIL, CHINA EUROPEAN COUNTRIES*, KOREA, INDIA, SINGAPORE

*REFER TO WGLA TECHNICAL AND INSTALLATION MANUAL FOR FULL LIST OF COUNTRIES APPROVED

NOTES:

1 - END USER WILL REQUIRE A HONEYWELL WPMM MONITOR OR WDRR RECEIVER UNIT TO RECEIVE SIGNAL FROM THESE WGL PRODUCTS

2 - HEADS MAY BE INDEXED IN 90° INCREMENTS

3 - LEVERS MAY BE KEYED TO SHAFT AT 90° INCREMENTS. THEY MAY ALSO BE ATTACHED BUT NOT KEYED ANYWHERE ON THE SHAFT

4 - FOR ADDITIONAL LEVERS SEE INSTALLATION DRAWING GLZ5 SERIES CHART 1

⁵- ONLY ANTENNA TYPE CODES 00, 01, 02, 03, 05, 10 & 11 AVAILABLE WITH COUNTRY USE CODE B, ALL ANTENNA TYPE CODES AVAILABLE FOR COUNTRY USE CODES A & C

⁶- FREE POSITION, OPERATE POINT, OVERTRAVEL AND PRETRAVEL ALL TO EN50041

⁷- CAM TRAVEL FOR FIG. 8 ONLY APPLIES WHEN LEVER IS ADJUSTED TO 38.1

⁸- SWITCH WILL REQUIRE AN ANTENNA TO FUNCTION PROPERLY

⁹- 5.5 dBi & 9.0 dBi ANTENNAS RATED FOR LIMITED OUTDOOR EXPOSURE. PROTECT AGAINST DIRECT RAIN, SLEET, SNOW & ICE ETC. EXPOSURE.

¹⁰- FOR ADDITIONAL ANTENNA DETAILS SEE INDIVIDUAL HONEYWELL DRAWINGS LISTED IN THE ACCESSORIES & REPLACEMENT COMPONENT CHART

¹¹- OPTIONAL ACCESSORIES & REPLACEMENT COMPONENTS PER THE ATTACHED CHART ARE OFFERED FOR SALE BY HONEYWELL

ACCESSORIES & REPLACEMENT COMPONENTS CHART ¹¹		
ACCESSORY CATALOG LISTING	SEE HONEYWELL DRAWING	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
WAN07RSP	WAN07RSP	REPLACEMENT ANTENNA FOR ANTENNA TYPE CODE 11
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

DESIGN UNITS: MM	DRAWN	MAM	I6NOV09	Honeywell				
TOLERANCES UNLESS NOTED:	CHECK	MAM	I6NOV09					
NO PLACES	X	±	1.000	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.				
ONE PLACE	.X	±	0.40					
TWO PLACE	.XX	±	0.150					
THREE PLACE	.XXX	±	0.005					
ANGLES	X	±	3°	INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY				
THIRD ANGLE PROJECTION				SIZE	TYPE	CAGE CODE	DRAWING NAME	REV
				A1	1	-	WGL SERIES CHART 1	E
Pro/ENGINEER 3D				SCALE	NONE	SHEET 1 OF 5		

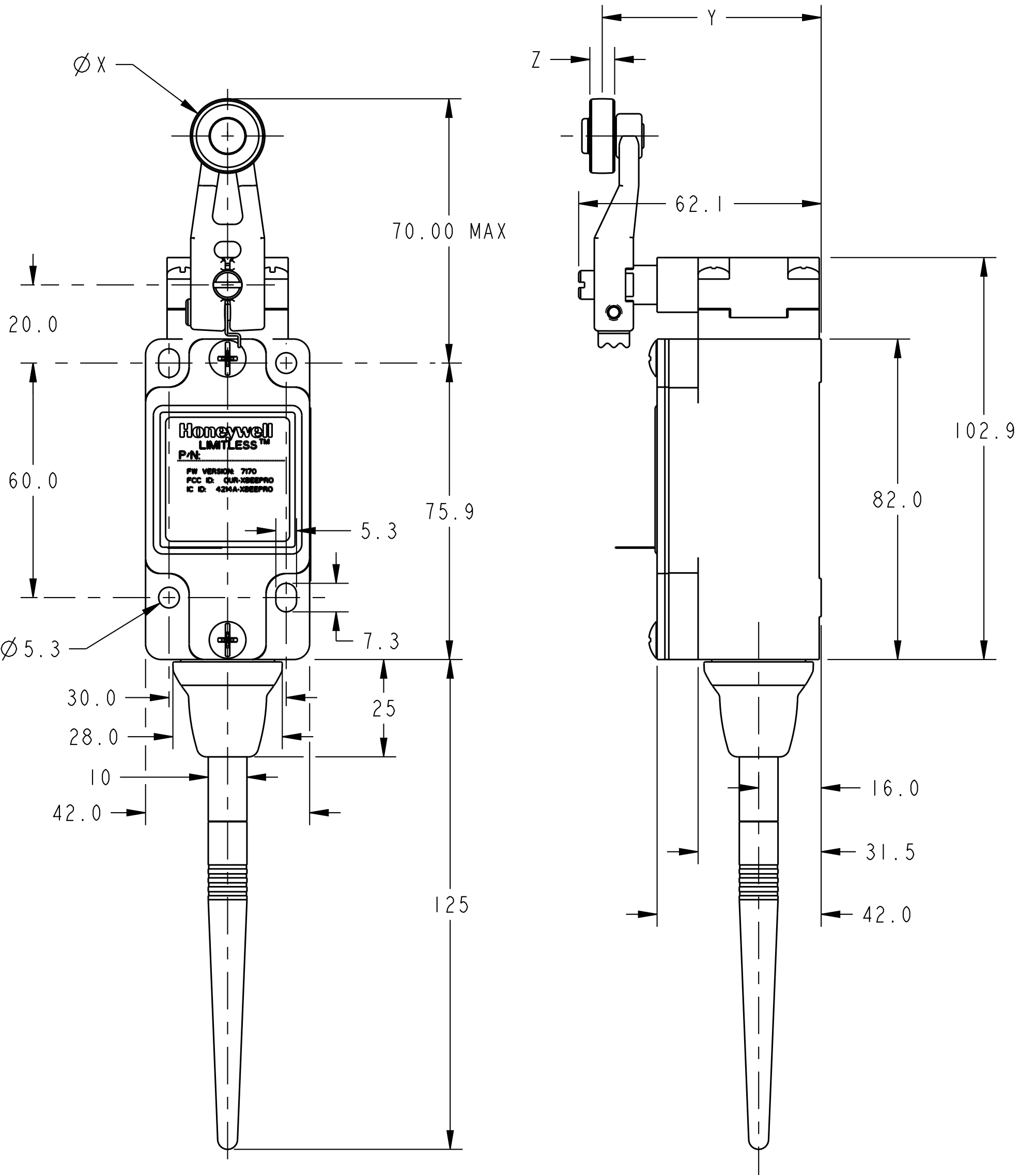


FIGURE 1 - SIDE ROTARY HEAD WITH GLZ51 SERIES LEVER

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

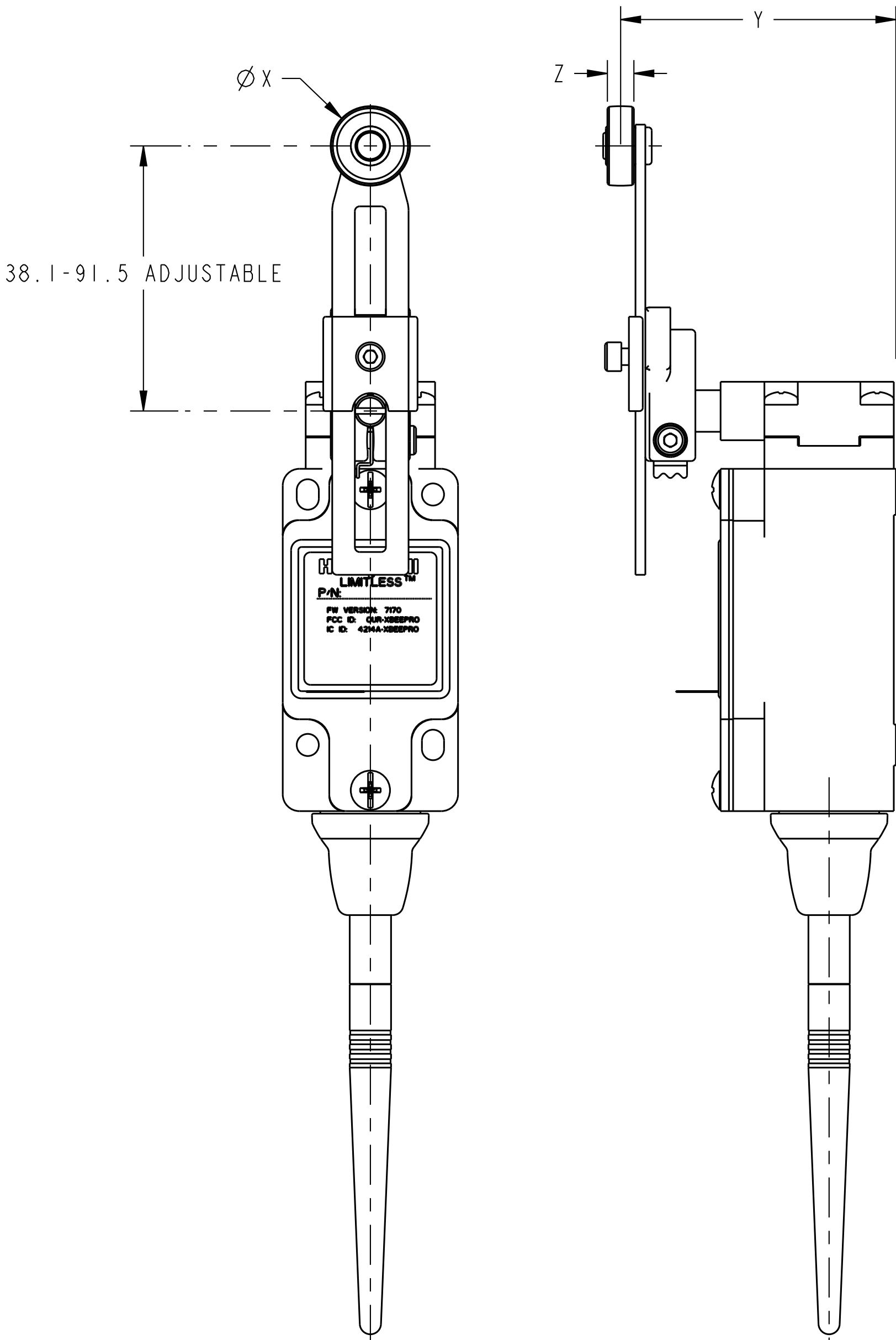


FIGURE 2 - SIDE ROTARY HEAD WITH GLZ52 SERIES LEVERS
OTHERWISE REFER TO FIGURE 1

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

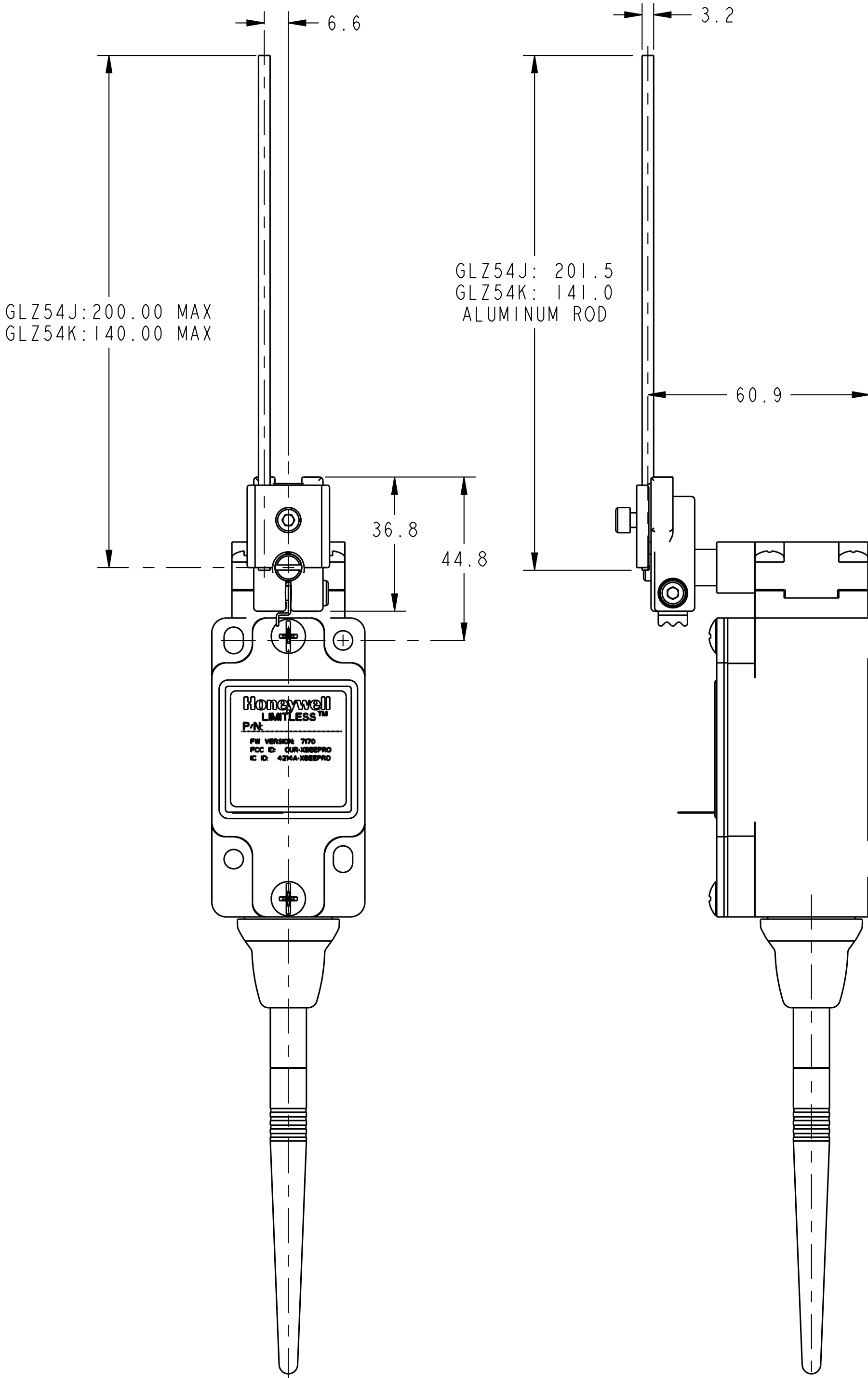


FIGURE 3 - SIDE ROTARY HEAD WITH GLZ54 SERIES LEVERS
OTHERWISE REFER TO FIGURE 1

SIDE ROTARY

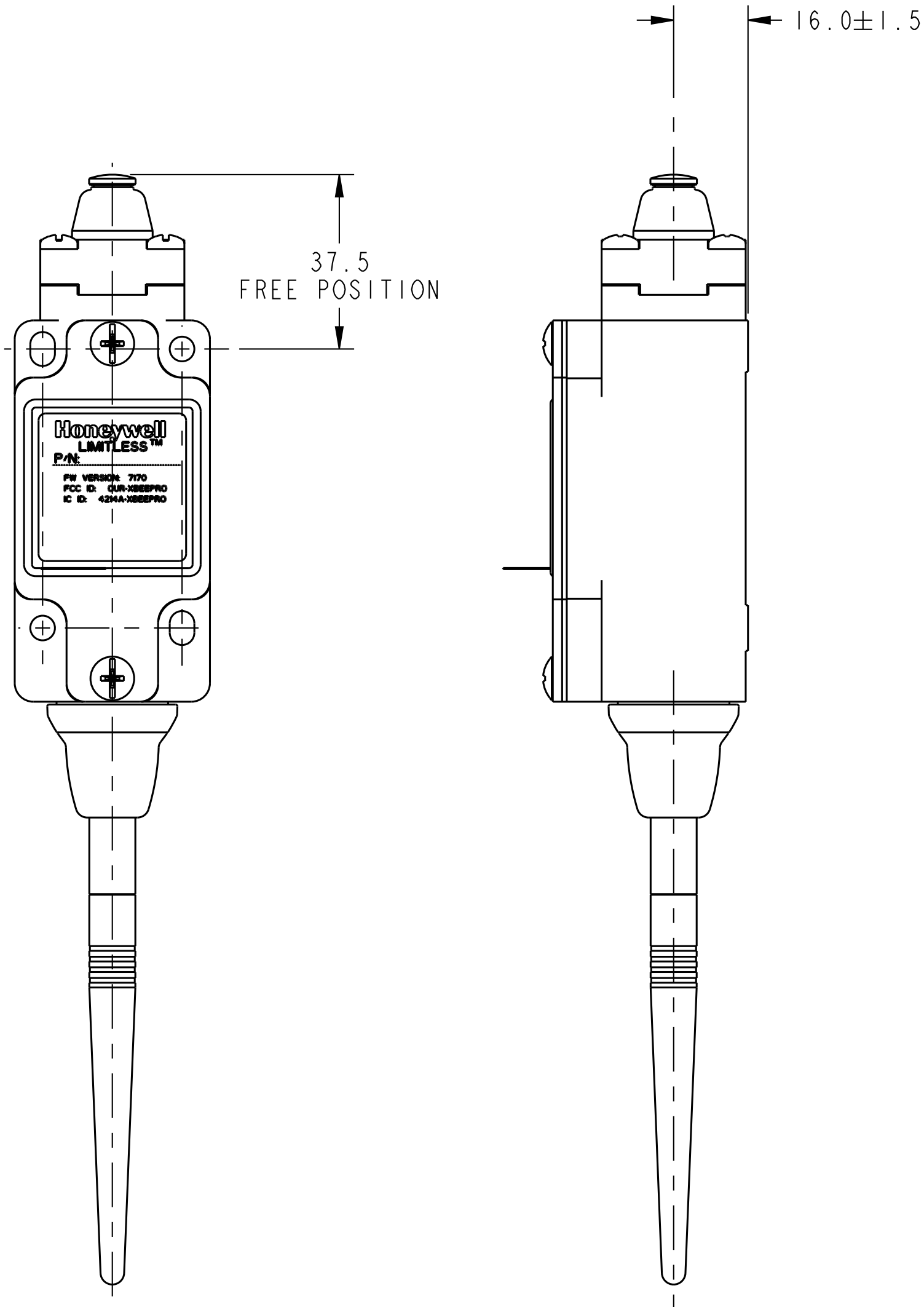


FIGURE 4 - TOP PIN PLUNGER HEAD
OTHERWISE REFER TO FIGURE 1

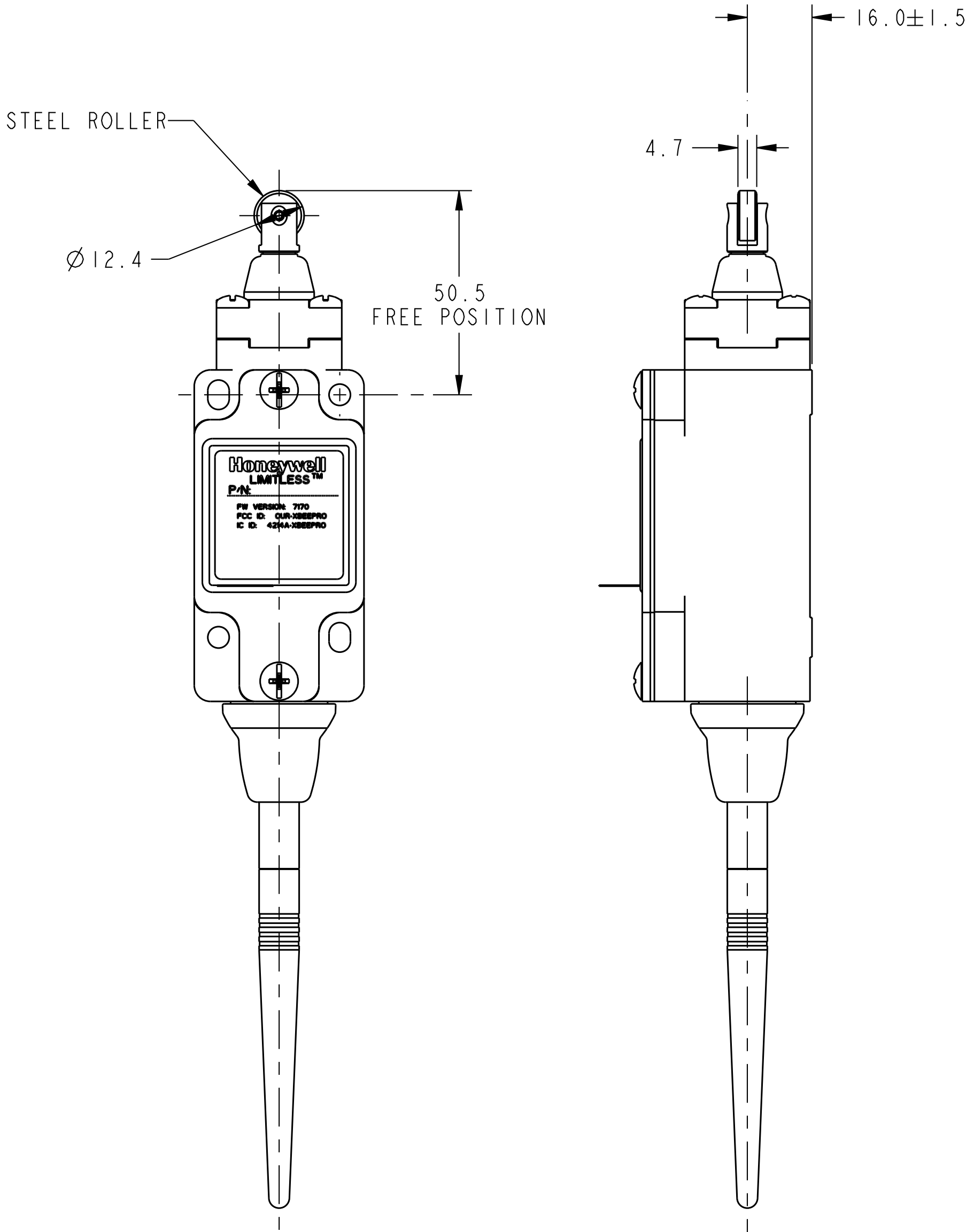


FIGURE 5 - TOP ROLLER PLUNGER HEAD
OTHERWISE REFER TO FIGURE 1

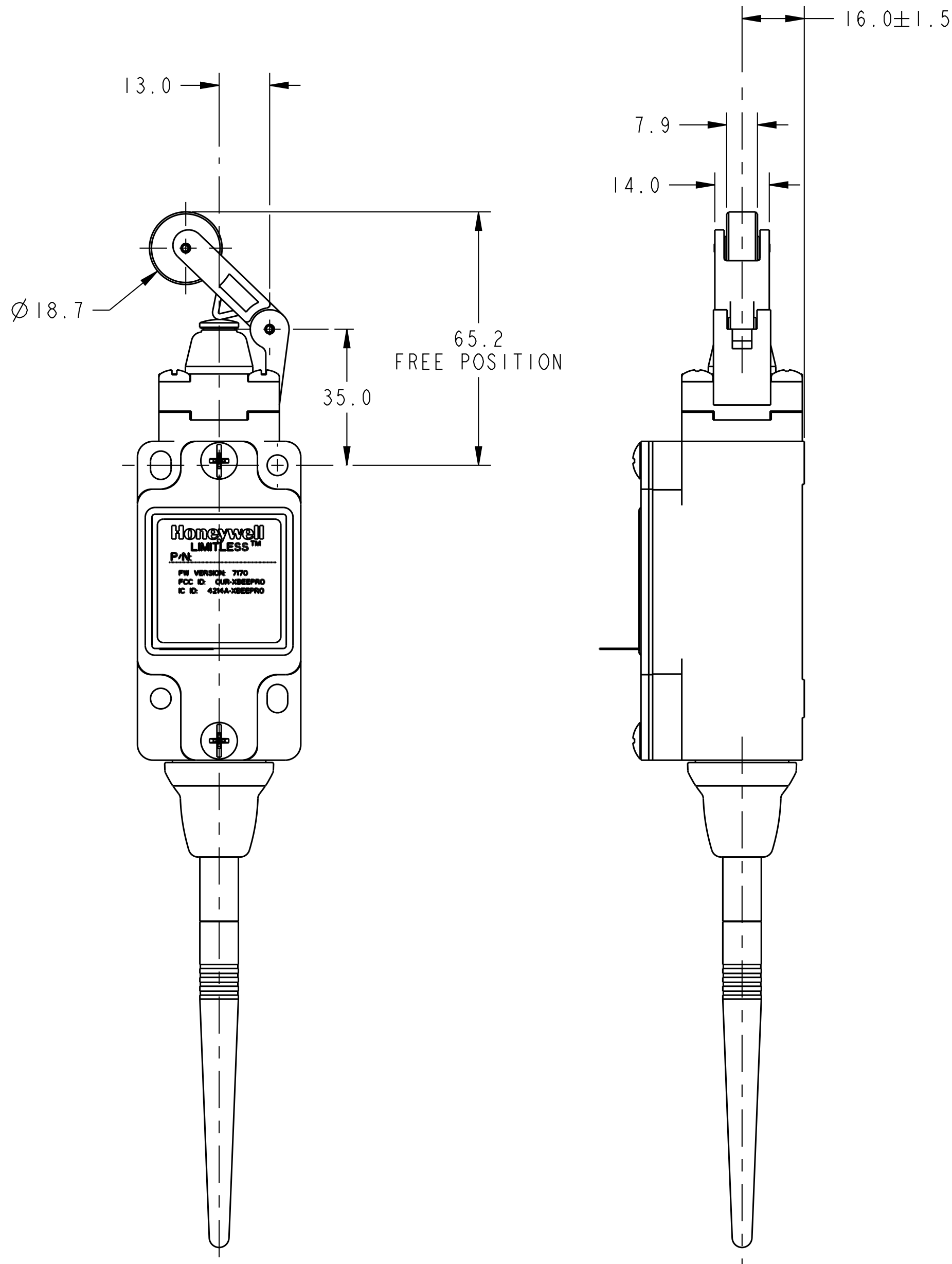


FIGURE 6 - TOP LEVER HEAD
OTHERWISE REFER TO FIGURE 1

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Honeywell

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

H
G
F
E
D
C
B
A

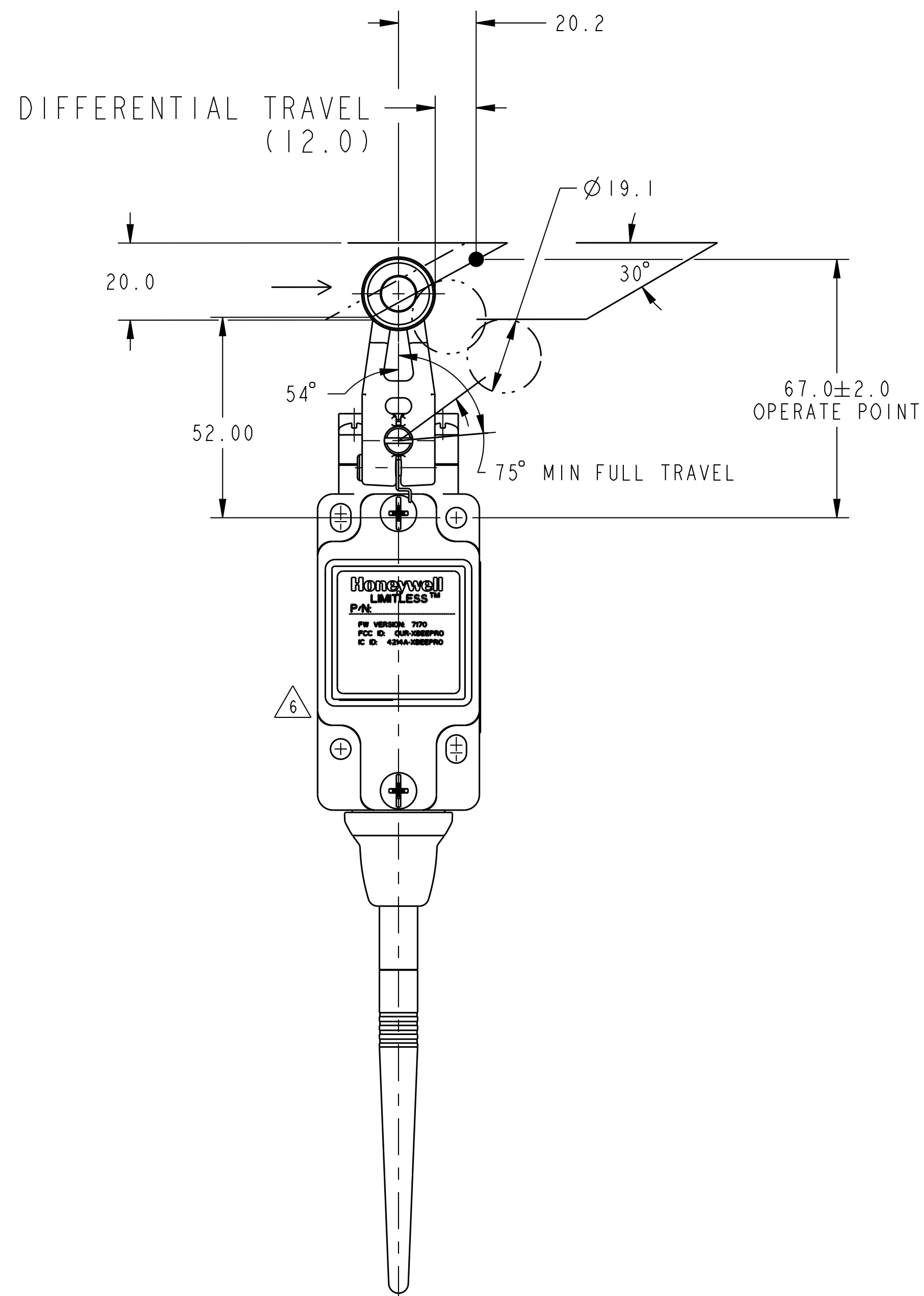


FIGURE 7

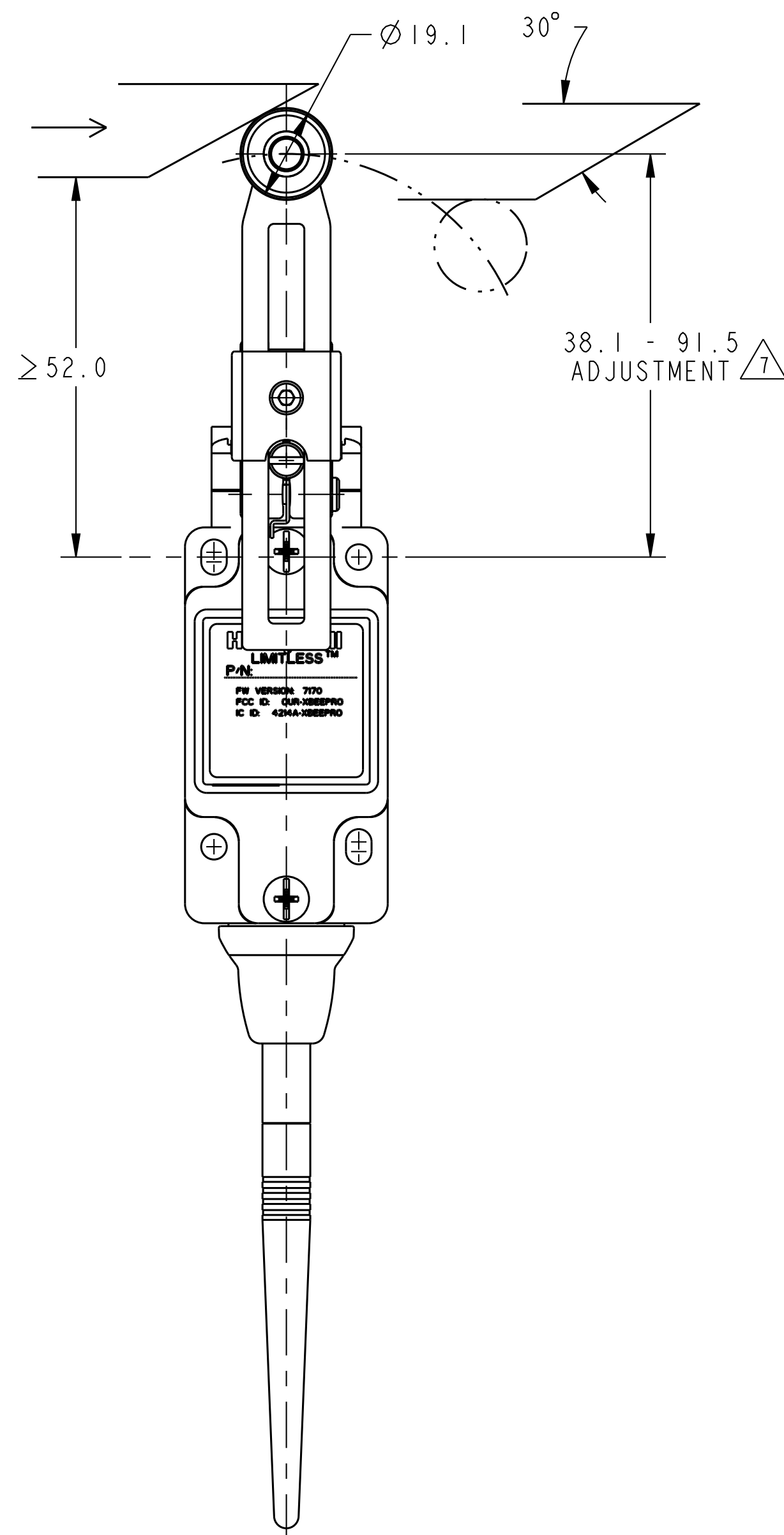


FIGURE 8

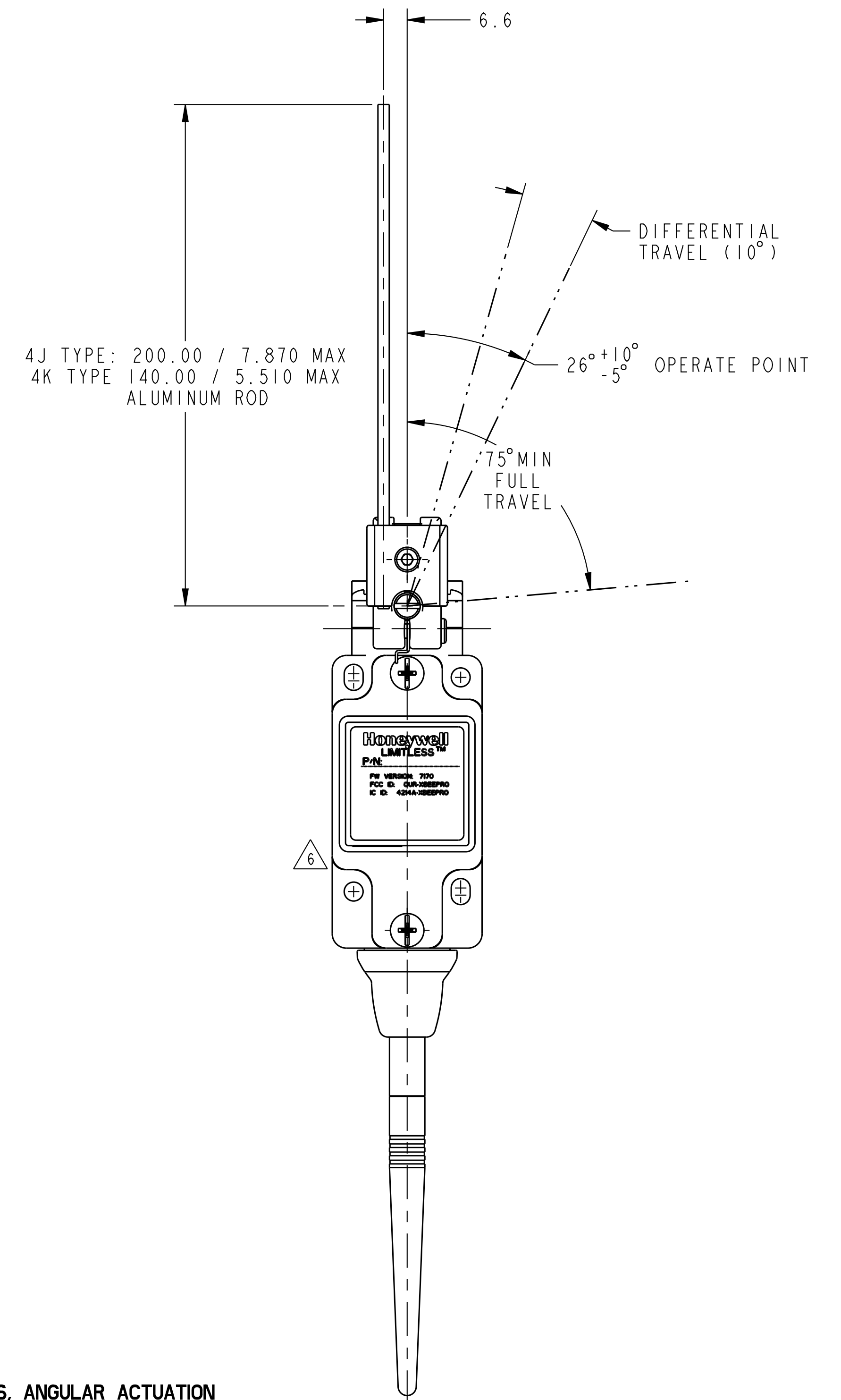


FIGURE 9

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	E
SCALE		1:1		SHEET 4 OF 5

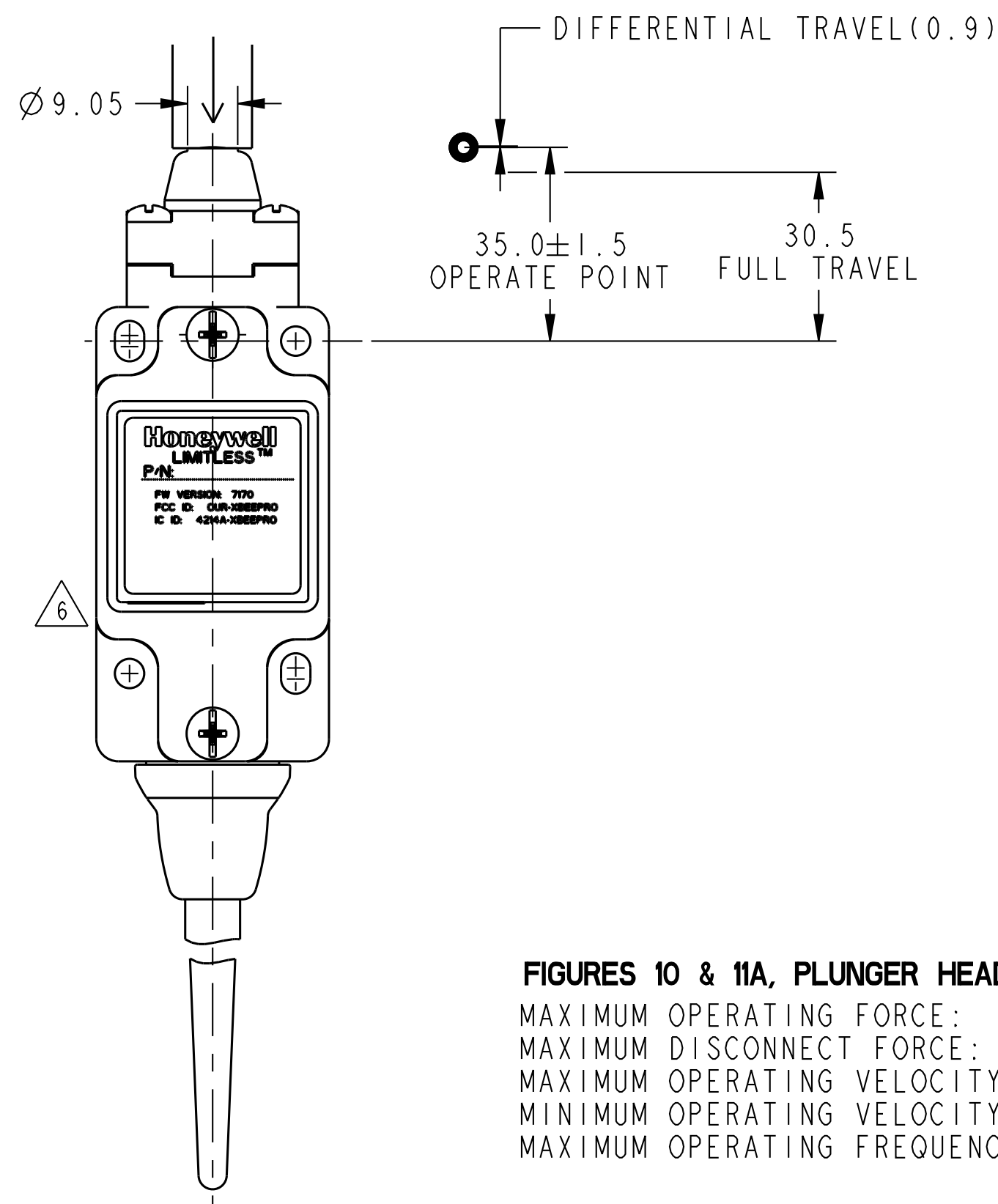


FIGURE 10

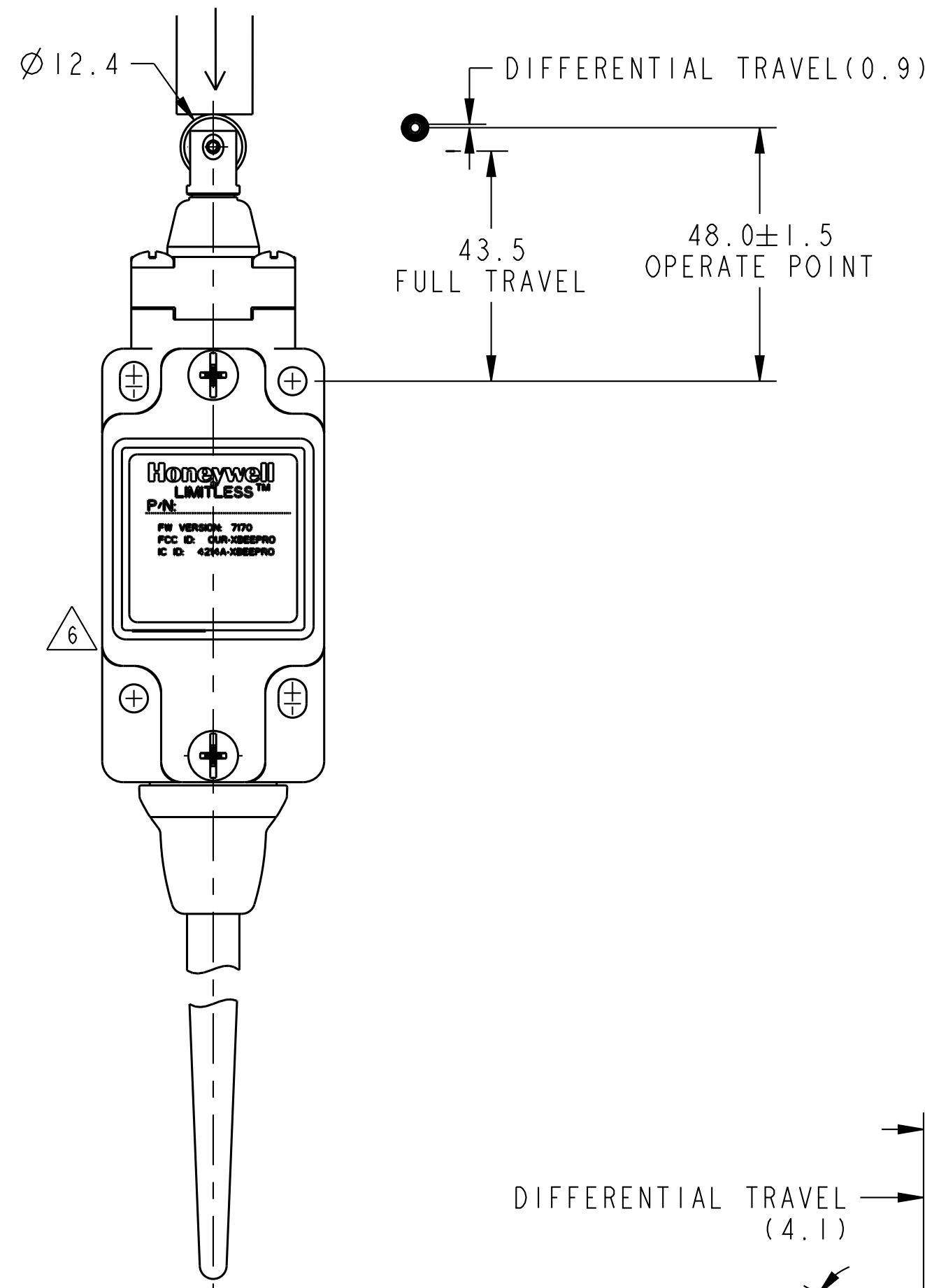


FIGURE 11A

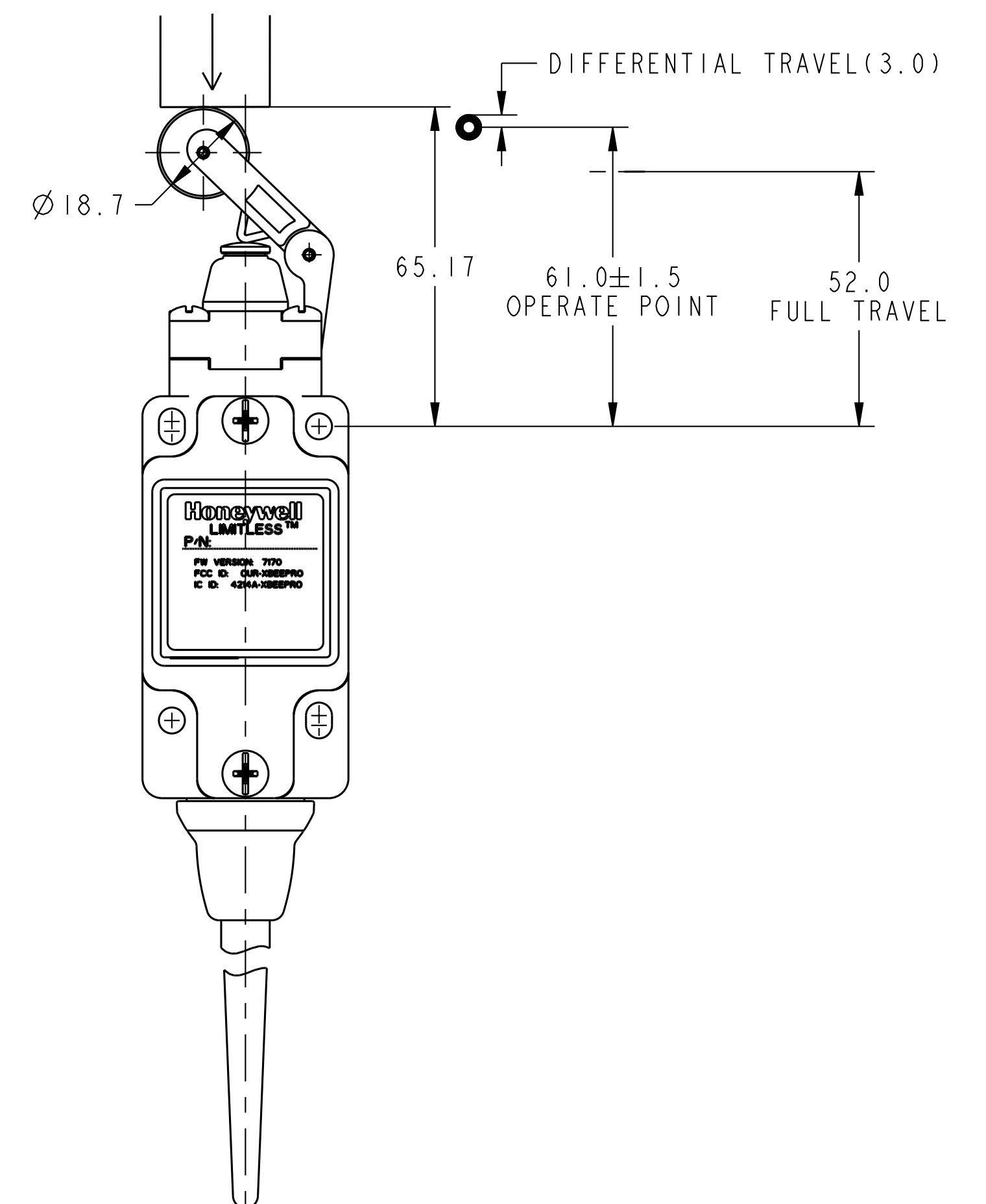


FIGURE 12A

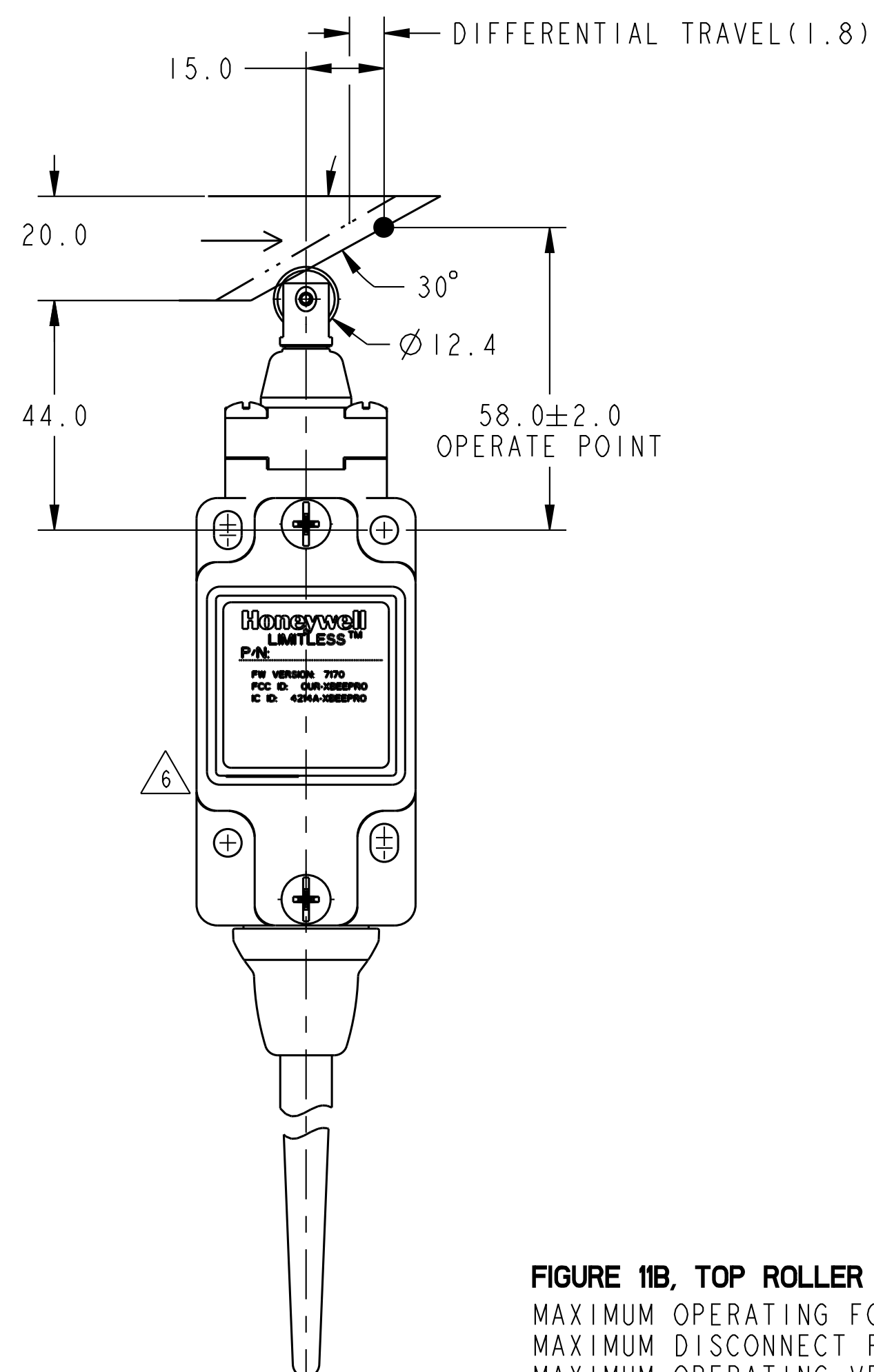


FIGURE 11B

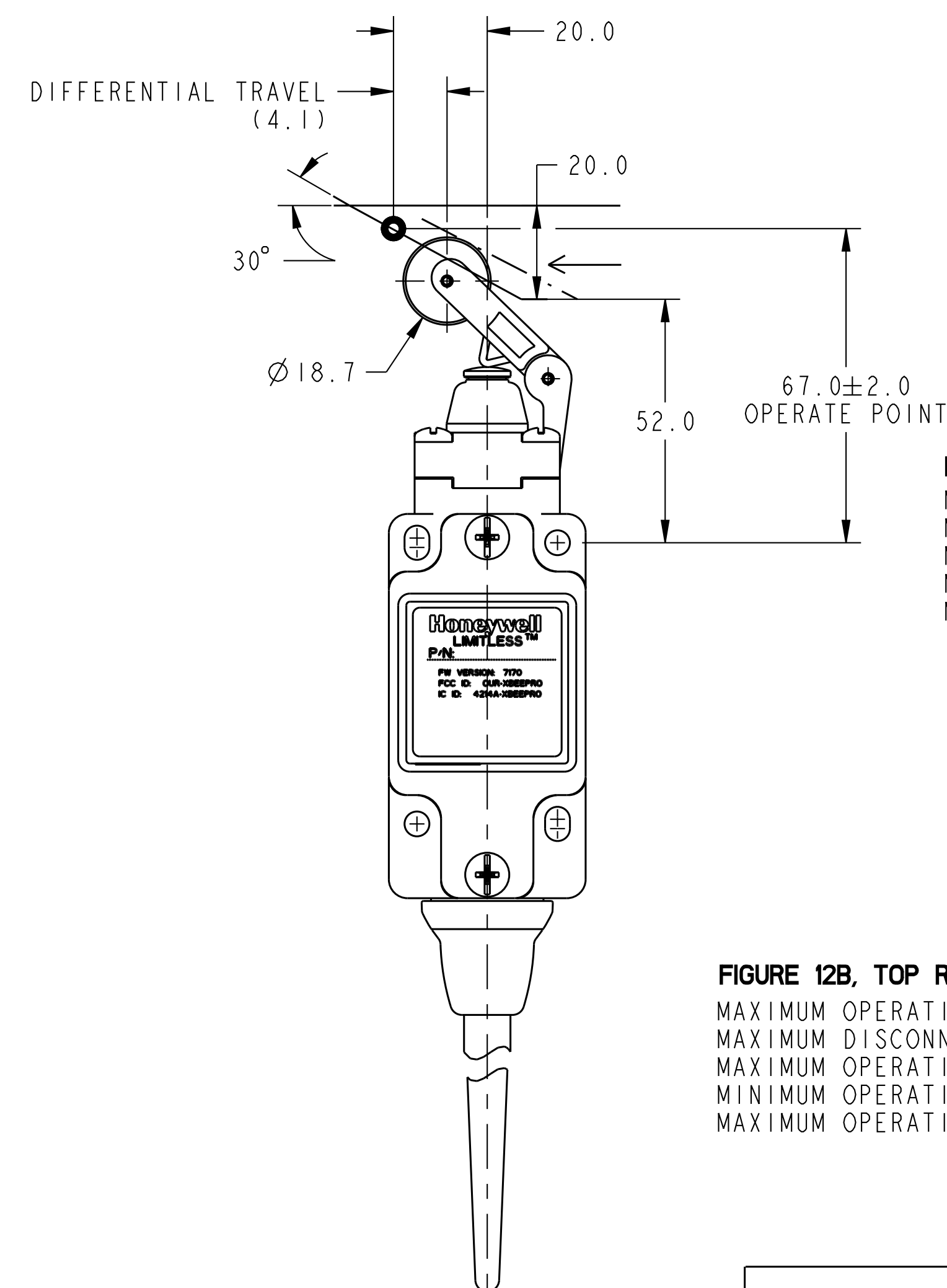


FIGURE 12B

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

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Honeywell

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