

# GLC GLD GLE SERIES

107147

Issue 19

## MICRO SWITCH Global Miniature Limit Switches



### DESCRIPTION

Honeywell MICRO SWITCH GLS miniature limit switch family offers a wide range of products for global solutions. These durable and reliable limit switches are suitable for many industrial applications, agriculture equipment, transportation equipment, and other applications requiring an environmentally sealed (IP and NEMA) switch.

The compact housings are often ideal for equipment where space is at a premium. The extensive product range is available in three different housing types; metal housing, plastic housing or a three conduit metal housing which are mounting compatible to EN50047. A wide range of actuators, contact blocks, and conduit/connectivity options enhance the product offering.

In today's demanding age of logic-level controls, electromechanical switches are frequently used to interface with PLCs and other logic level devices. GLS limit switches offer an option for gold-plated contacts for the standard switch. This option promotes the switch reliability for logic-level applications.

### FEATURES

- Designed to EN50047 standard
- Metal housing or double-insulated plastic housing for indoor and outdoor applications
- Wide range of actuator heads and levers
- Heads can be positioned at 90° increments for design flexibility. Side rotary actuator heads can be factory set for CW, CCW, or CW and CCW actuation
- Certified for global applications: CE, UKCA, UL, CSA, CCC<sup>1</sup>
- Conforms to EN 50047, IEC/EN 60947-5-1; CSA C22.2 #14; UL 508; CCC<sup>1</sup> GB14048.5, EN 45545-2 (GLC/GLE), , and EN61373
- Sealed to IP66 and NEMA/UL 1, 4, 12, and 13
- -40 °C [-40 °F] standard construction for side rotary and plunger actuated switches suitable for many severe outdoor environments
- Dual bearing design on side rotary actuators reduces side loading and enhances mechanical life
- Variety of NC and NO double-break snap-action or slow-action contact options
- Silver contacts for power switching or gold-plated contacts for low energy loads
- Normally closed contacts are positive opening (→), and conform to EN/IEC 60947-5-1-3 to provide forced opening of the normally closed contact. Each contact throw is electrically isolated to accept different voltages (Form Zb contacts). Double pole double throw (2NC/2NO) contact option require same polarity for each pole. (Form Za for each pole)
- Contact blocks are available as snap action or slow action
- Mechanical life up to 10 million operations

### POTENTIAL APPLICATIONS

- Passenger elevators
- Commercial appliances
- Escalators/moving stairs
- Scissor/platform lifts
- Material handling
- Machine tool equipment
- Off-road equipment

### DIFFERENTIATION

- Modular design of limit switch (heads/actuators, bodies, and contact blocks) allows for rapid customization and delivery
- Removable contact block for wiring ease
- Galvanically isolated contacts for controlling two separate circuits

### VALUE TO CUSTOMERS

- Meets EN 50047 mounting standards and EN/IEC electrical standards for world-wide use
- Large existing install base and channel allows for quick delivery worldwide
- Wide range of actuators and circuitry options in same footprint
- Certified for global use with CCC<sup>1</sup>, CSA, CE, UKCA and UL acceptance



### PORTFOLIO

The smaller GLC Series, GLD Series and GLE Series (EN 50047 design, with 20 mm to 22 mm mounting) complement the GLA Limit Switch Series with standard or plug-in housings (EN 50041 design, with 30 mm x 60 mm mounting). The GLS Series is part of the MICRO SWITCH Limit Switch Series that includes the HDLS Series (Heavy Duty Limit Switch) and General Purpose Limit Switch (LS) Series.

<sup>1</sup>CCC certification is not available on the GL Series Switches sold within Europe, Middle East, and Africa. Option for CCC certification in these regions is available upon request.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

## GLC, GLD, GLE SERIES

**TABLE 1. SPECIFICATIONS**

Characteristic	Parameter
Conforming to standards	CE, EN 50047, IEC/EN 60947-5-1; CSA C22.2 #14; UL 508; CCC <sub>1</sub> GB14048.5; EN 45545-2 (GLC/GLE); and EN 61373
Housing material	GLC Series and GLE Series: Electrostatic epoxy coated zinc GLD Series: High-strength glass re-enforced thermoplastic
Actuators	Side rotary, top pin plunger, top roller plunger, top roller lever, top wobble actuator
Termination	0.5-14 NPT, PG 13.5, 20 mm, PF 1/2, Deutsch style 4-pin connector other cable/connector options available, contact the Honeywell Representative
Contact options*	GLC metal housing and GLD plastic housing: 1NC/1NO, 2NC, 2NO GLE metal housing, 1NC/1NO, 2NC, 2NO, 2NC/2NO
Contact type	snap-action, slow-action break-before-make (BBM), slow-action make-before-break (MBB), slow action
Contact material	silver (standard), gold plated (low-energy applications)
Thermal current (I <sub>th</sub> )	10 A
Rated insulation voltage (U <sub>i</sub> )	300 V
Rated impulse voltage	2.5 kV
Sealing	NEMA 1, 4, 12, 13; IP66
Operating temperature	-40 °C to 85 °C [-40 °F to 185 °F]
Mechanical life	Up to 10 million cycles
Pollution code	3
Max. actuation frequency	250 operations/minute; 100 operations/minute (wobbles)
Shock	50 g per IEC 60068-2-27; railway application per IEC 61373 Class I Car B Type
Vibration	10 g per IEC 60068-2-6; railway application per IEC 61373 Class I Car B Type
Approvals	CE, UKCA, UL, CSA and CCC <sup>1</sup>
Conforming to standards	EN50047, IEC/EN 60947-5-1; CSA C22.2 #14; UL 508; CCC1 GB14048.5; EN45545-2 (GLC/GLE)

\*All normally closed contacts are positive opening (→).

The two contact elements are Z<sub>b</sub> (electrically separated) except the 2NC/2NO contacts requires same polarity each pole (Z<sub>a</sub>).

<sup>1</sup>CCC certification is not available on the GL Series Switches sold within Europe, Middle East, and Africa. Option for CCC certification in these regions is available upon request.



**TABLE 2. ELECTRICAL RATING**

IEC 60947-5-1 (EN60947-5-1) AC 15, A300; DC 13, Q300

Silver Contacts								Gold Contacts
ac				dc				1 V 10 μA min. 50 V 100 mA max.
A300 U <sub>e</sub>	AC15 I <sub>e</sub>	VA		Q300 U <sub>e</sub>	DC13 I <sub>e</sub>	VA		
Volts	Amps	Make	Break	Volts	Amps	Make	Break	
120	6	7200	720	125	0.55	69	69	
240	3	7200	720	250	0.27	69	69	

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

## GLC, GLD, GLE SERIES

Figure 1. Product Nomenclature

GL	C	A	01	A1A	L	
Switch Type	Body	Conduit	Basic Switch	Head/Actuator	Modification Codes For Actuator types beginning with A*	
<b>GLS Series</b> Global Limit Switch	<b>C</b> Metal, miniature	<b>A</b> 1/2-14 NPT	<b>01</b> SPDT snap action	<b>A1A</b> Side rotary, fixed, 19 mm x 6 mm nylon roller	<b>E7B</b> Wobble, coil spring	<b>1</b> CW rotation only
	<b>D</b> Plastic, miniature	<b>B</b> PG 13.5	<b>03</b> SPDT, BBM slow acting	<b>A1B</b> Side rotary, fixed, 19 mm x 6 mm steel roller	<b>F<sup>Δ</sup></b> Adj. top roller lever, Ø27.3 mm x 5 mm roller	<b>2</b> CCW rotation only
	<b>E</b> Metal, three conduit	<b>C</b> 20 mm	<b>04</b> SPDT, MBB slow acting	<b>A2A</b> Side rotary, adjust., 19 mm x 6 mm nylon roller	<b>K8A</b> Cat whisker, 140 mm	<b>3</b> Lever to right
			<b>05</b> DPST, 2NO slow acting	<b>A2B</b> Side rotary, adjust., 19 mm x 6 mm steel roller	<b>K8B</b> Cat whisker, 190 mm	<b>4</b> Lever to left
			<b>06</b> DPST, 2NC slow acting	<b>A4J</b> Side rotary, adjust., 140 mm aluminum rod	<b>K8D</b> Cat whisker, 165 mm	<b>5</b> Lever to mounting surf.
			<b>07</b> SPDT, snap action, gold cont.	<b>A4L</b> Side rotary, adjust., 200 mm aluminum rod	<b>A1</b> Side rotary, fixed, no roller	for Actuator/Type C
			<b>24</b> DPDT, snap action, Body E	<b>A5A</b> Side rotary, offset, 19 mm x 6 mm nylon roller	<b>A2</b> Side rotary, adjustable, no roller	<b>6</b> Roller perpendicular to mtg. surf.
			<b>32</b> DPDT, snap action, gold cont. Body E	<b>A5B</b> Side rotary, offset, 19 mm x 6 mm steel roller	<b>A1Y</b> Side rotary, fixed, 50 mm x 10 mm rubber roller	for Actuator/Type D
			<b>33</b> SPDT, BBM slow acting, gold contacts	<b>A9A</b> Side rotary, conveyor lever	<b>A2Y</b> Side rotary, adj., 50 mm x 10 mm rubber roller	<b>4</b> Lever to right, hinge to left
			<b>34</b> SPDT, MBB slow acting, gold contacts	<b>B</b> Top pin plunger	<sup>Δ</sup> Available with D style body (plastic) only.	
			<b>35</b> DPST, 2NO slow acting, gold contacts	<b>C</b> Top roller plunger		
			<b>36</b> DPST, 2NC slow acting, gold contacts	<b>D</b> Top roller lever		

NOTE: not all combinations of model codes are available. Please contact your Honeywell provider/representative for assistance.


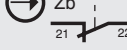
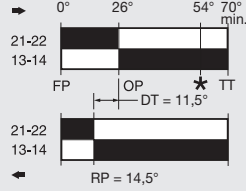
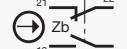
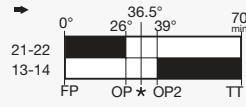
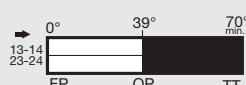
\*For Type A modification codes, more than one code may be permissible. For example, GLCA01A1B-13 is a side rotary, lever-actuated switch, GLCA01A1B, adjusted for clockwise actuation only. The operating shaft is to the right side of the switch when viewing the switch from the front (label side).

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

## MICRO SWITCH GLC SERIES ORDER GUIDE/RECOMMENDED LISTINGS



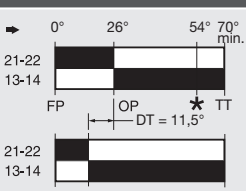
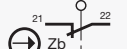
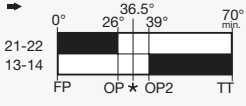
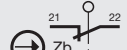
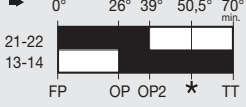
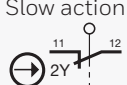
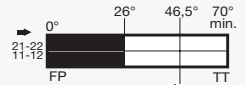
For listings not shown, contact your Honeywell representative.

**TABLE 3. SIDE ROTARY, PLASTIC ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLCA01A1A
			Silver	PG 13,5			GLCB01A1A
			Silver	20 mm			GLCC01A1A
			Gold plated	20 mm			GLCC07A1A
1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLCA03A1A	
2 NO	Slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLCA05A1A	

<sup>1</sup>Contact closed ■, Contact open □, \*Positive opening occurs.

**TABLE 4. SIDE ROTARY, METAL ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLCA01A1B
			Silver	PG 13,5			GLCB01A1B
			Silver	20 mm			GLCC01A1B
			Gold plated	PG 13,5			GLCB07A1B
			Gold plated	20 mm			GLCC07A1B
1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLCA03A1B	
			PG 13,5			GLCB03A1B	
1NC/1NO	MBB, slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLCA04A1B	
			PG 13,5			GLCB04A1B	
2 NC	Slow action 	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLCB06A1B	


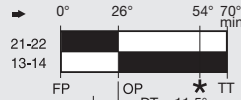
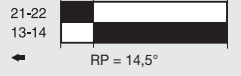
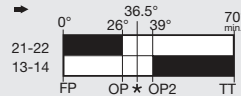
<sup>1</sup>Contact closed ■, Contact open □, \*Positive opening occurs.



# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES



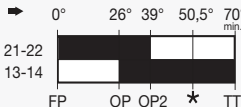
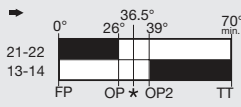
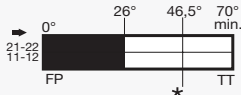
## GLC, GLD, GLE SERIES

**TABLE 5. SIDE ROTARY ADJUSTABLE, PLASTIC ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLCA01A2A
			Silver	PG 13,5			GLCB01A2A
	BBM, slow action	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLCB03A2A	



<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs.

**TABLE 6. SIDE ROTARY ADJUSTABLE, METAL ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLCA01A2B
			Silver	PG 13,5			GLCB01A2B
			Gold plated	PG 13,5			GLCB07A2B
			Silver	20 mm			GLCC01A2B
			Gold plated	20 mm			GLCC07A2B
	1NC/1NO	MBB, slow action	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLCA04A2B
1NC/1NO	BBM, slow action	Silver	20 mm	0,11 Nm max. [1.0 in-lb max.]		GLCC03A2B	
2NC	Slow action	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLCB06A2B	

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs.

**TABLE 7. SIDE ROTARY ADJUSTABLE, METAL ROD, A4J (140 MM ROD) AND A4L (200 MM ROD)**


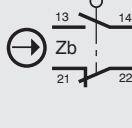
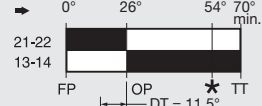
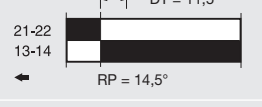
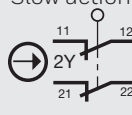
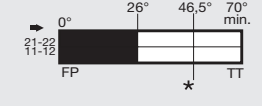
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLCA01A4J
				PG 13,5			GLCB01A4J
				20 mm			GLCC01A4J
				PG13,5			GLCB01A4L

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES


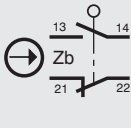
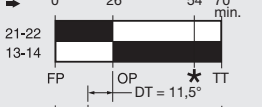
## GLC, GLD, GLE SERIES

**TABLE 8. SIDE ROTARY OFFSET LEVER, METAL ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14NPT	0,12 Nm max. [1.1 in-lb max.]		<b>GLCA01A5B</b>
			Silver	PG 13,5			<b>GLCB01A5B</b>
	2NC	Slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		<b>GLCA06A5B</b>
			Gold plated	0.5-14 NPT			<b>GLCA36A5B</b>


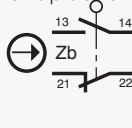
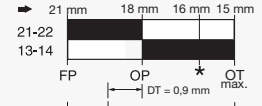
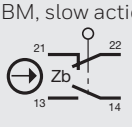
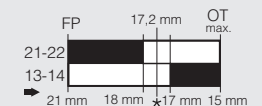
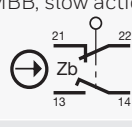
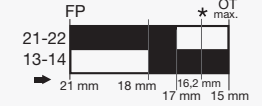
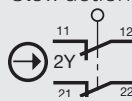
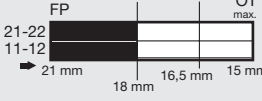
<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs.

**TABLE 9. SIDE ROTARY CONVEYOR LEVER, CERAMIC ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		<b>GLCA01A9A</b>
				PG 13,5			<b>GLCB01A9A</b>
				20 mm			<b>GLCC01A9A</b>

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs.

**TABLE 10. TOP PIN PLUNGER**


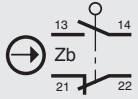
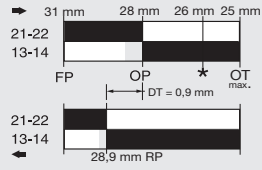
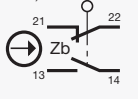
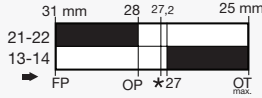
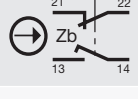
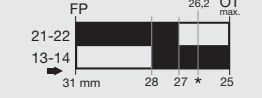

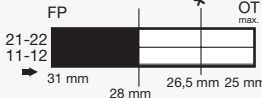
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		<b>GLCA01B</b>
			Silver	PG 13,5			<b>GLCB01B</b>
			Silver	20 mm			<b>GLCC01B</b>
			Gold plated	PG 13,5			<b>GLCB07B</b>
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	14 N max. [3.2 lb max.]		<b>GLCA03B</b>
	1NC/1NO	MBB, slow action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		<b>GLCA04B</b>
				PG 13,5			<b>GLCB04B</b>
2 NC	Slow action 	Silver	PG 13,5	13 N max. [2.9 lb max.]		<b>GLCB06B</b>	

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs. NOTE: Bar chart measurements are in millimeters.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES


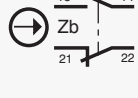
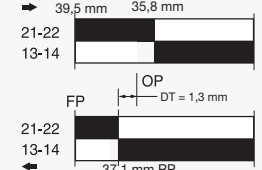
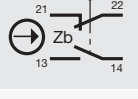
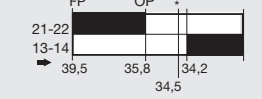

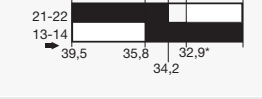
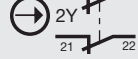
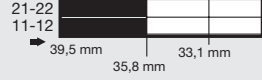
## GLC, GLD, GLE SERIES

**TABLE 11. TOP ROLLER PLUNGER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		<b>GLCA01C</b>
			Silver	PG 13,5			<b>GLCB01C</b>
			Gold plated	PG 13,5			<b>GLCB07C</b>
			Silver	20 mm			<b>GLCC01C</b>
1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	14 N max. [3.2 lb max.]		<b>GLCA03C</b>	
			PG 13,5			<b>GLCB03C</b>	
1NC/1NO	MBB, slow action 	Silver	PG 13,5	16 N max. [3.6 lb max.]		<b>GLCB04C</b>	
2NC	Slow action 	Silver	PG 13,5	13 N max. [2.9 lb max.]		<b>GLCB06C</b>	
		Gold plated	PG 13,5			<b>GLCB36C</b>	
		Silver	20 mm			<b>GLCC06C</b>	

<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs. NOTE: Bar chart measurements are in millimeters.

**TABLE 12. TOP ROLLER LEVER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	10 N max. [2.2 lb max.]		<b>GLCA01D</b>
			Silver	PG 13,5			<b>GLCB01D</b>
			Gold plated	PG 13,5			<b>GLCB07D</b>
			Silver	20 mm			<b>GLCC01D</b>
1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	9 N max. [2.0 lb max.]		<b>GLCA03D</b>	
			PG 13,5			<b>GLCB03D</b>	
			Gold plated			PG 13,5	<b>GLCB33D</b>
1NC/1NO	MBB, slow action 	Silver	PG 13,5	10 N max. [2.2 lb max.]		<b>GLCB04D</b>	
2NC	Slow action 	Silver	20 mm	8 N max. [1.8 lb max.]		<b>GLCC06D</b>	
		Gold plated	0.5-14 NPT			<b>GLCA36D</b>	

<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs. NOTE: Bar chart measurements are in millimeters.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES


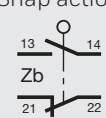
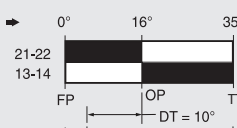
## GLC, GLD, GLE SERIES

**TABLE 13. COIL SPRING WOBBLE, 130 MM**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	1,3 N max. [0.29 lb] max.		<b>GLCA01E7B</b>
			Silver	PG 13,5			<b>GLCB01E7B</b>
			Silver	20 mm			<b>GLCC01E7B</b>
			Gold plated	PG 13,5			<b>GLCB07E7B</b>
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	1,1 N max. [0.25 lb] max.		<b>GLCA03E7B</b>
	2NC	Slow action 	Silver	0.5-14 NPT	1,1 N max. [0.25 lb] max.		<b>GLCA06E7B</b>


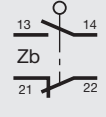
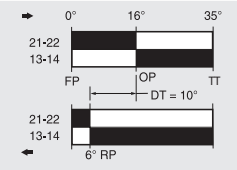
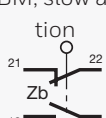
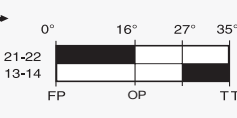
<sup>1</sup>Contact closed ■, Contact open □

**TABLE 14. CAT WHISKER WOBBLE, 140 MM**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,9 N max. [0.19 lb] max.		<b>GLCA01K8A</b>
				PG 13,5			<b>GLCB01K8A</b>

<sup>1</sup>Contact closed ■, Contact open □

**TABLE 15. CAT WHISKER WOBBLE, 190 MM**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,9 N max. [0.19 lb] max.		<b>GLCA01K8B</b>
				PG 13,5			<b>GLCB01K8B</b>
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	0,7 N max. [0.16 lb] max.		<b>GLCA03K8B</b>

<sup>1</sup>Contact closed ■, Contact open □

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

Figure 1. GLC Side Rotary • A1, A1A, A1B, and A1Y

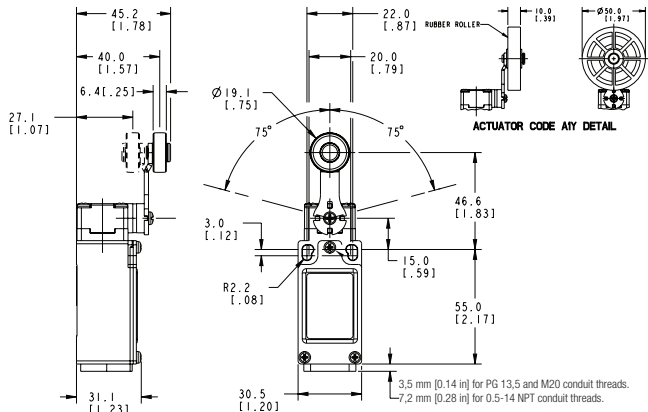


Figure 4. GLC Side Rotary • A5A and A5B

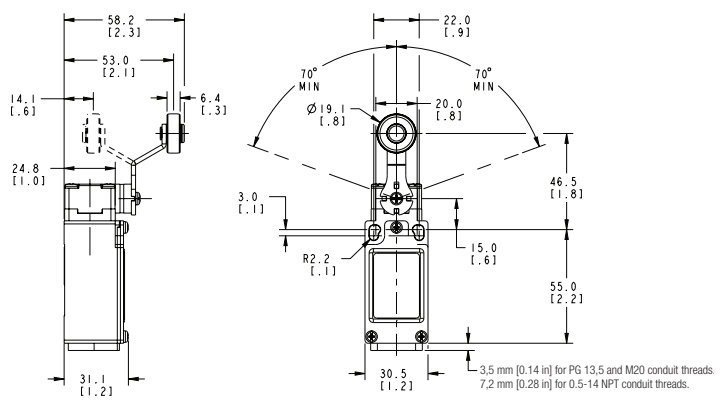


Figure 2. GLC Side Rotary • A2, A2A, A2B, and A2Y

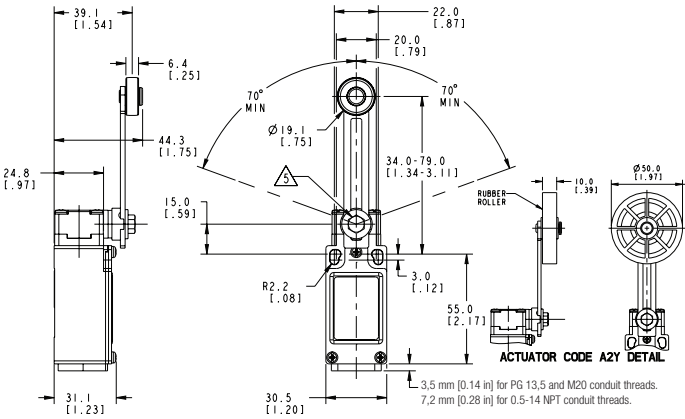


Figure 5. GLC Side Rotary • A9A

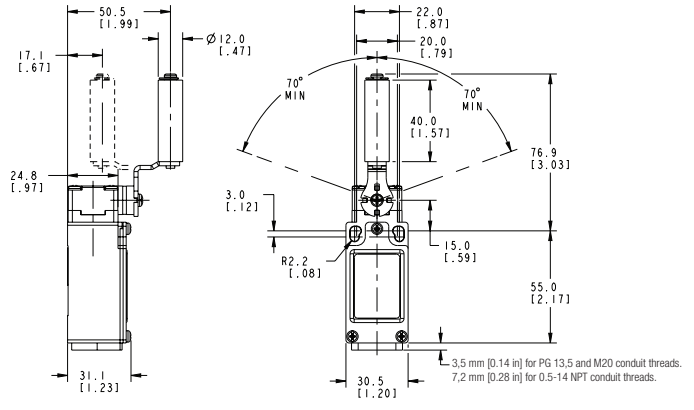


Figure 3. GLC Side Rotary Rod • A4J (140 mm) & A4L (200 mm)

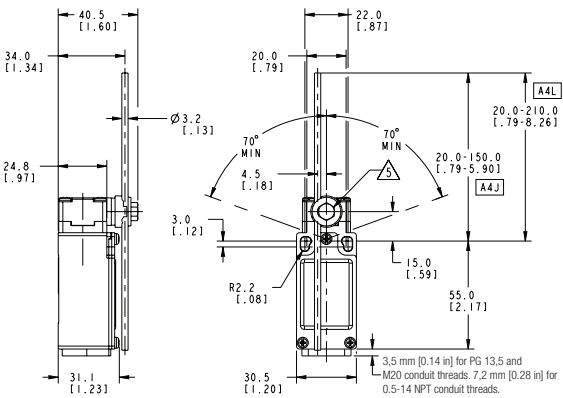
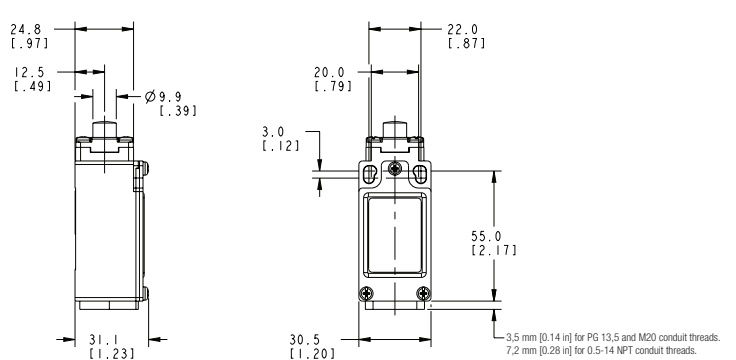


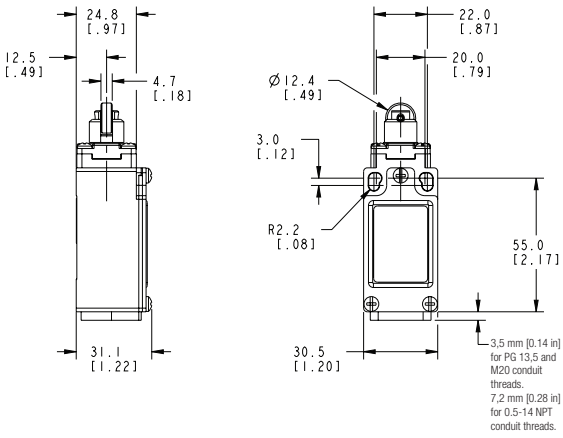
Figure 6. GLC Top Pin Plunger



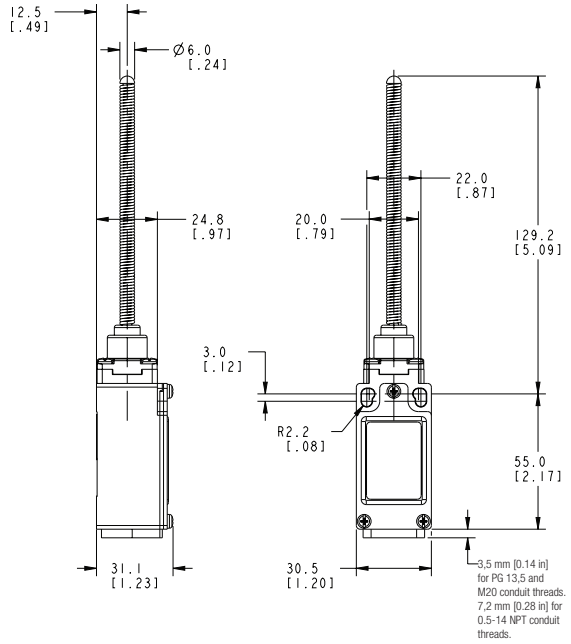
# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

## GLC, GLD, GLE SERIES

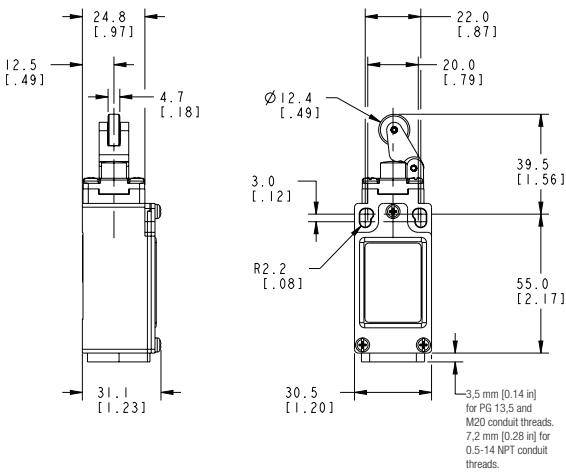
**Figure 7. GLC Top Roller Plunger**



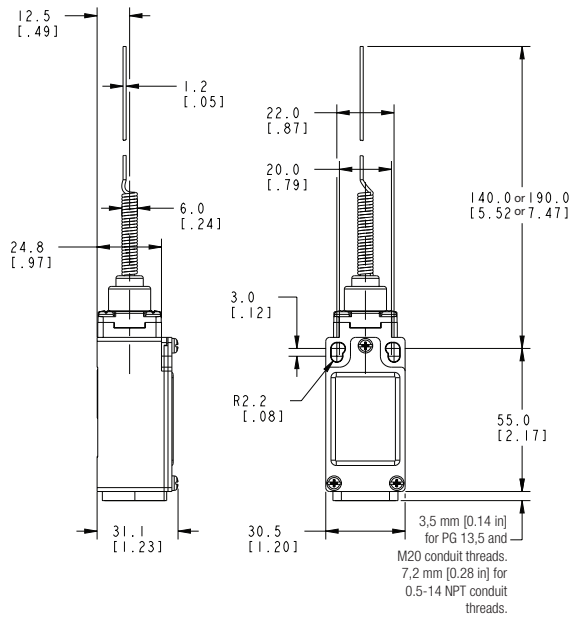
**Figure 9. GLC Wobble • E7B**



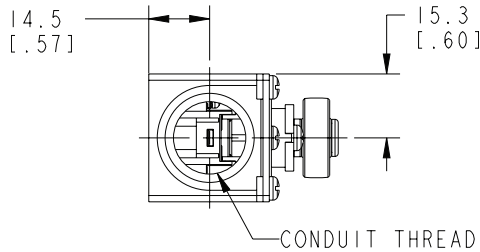
**Figure 8. GLC Top Roller Arm**



**Figure 10. GLC Wobble • K8A/K8B**



**Figure 11. GLC Conduit**


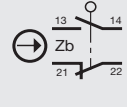
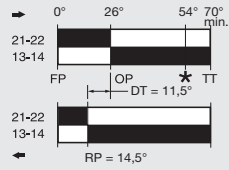
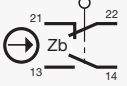
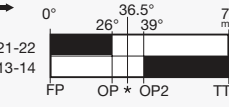
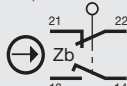
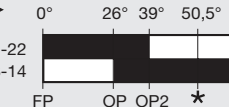
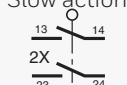
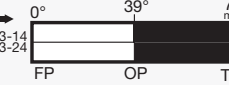
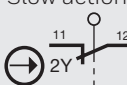
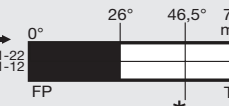


# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

## MICRO SWITCH **GLD** SERIES ORDER GUIDE/RECOMMENDED LISTINGS

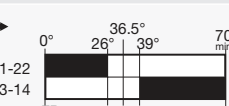
For listings not shown, contact your Honeywell representative.

**TABLE 16. SIDE ROTARY, PLASTIC ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLDA01A1A
			Silver	PG 13,5			GLDB01A1A
			Gold plated	PG 13,5			GLDB07A1A
			Silver	20 mm			GLDC01A1A
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLDA03A1A GLDB03A1A
1NC/1NO	MBB, slow action 	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLDB04A1A	
	2NO	Slow action 	Silver	20 mm	0,11 Nm max. [1.0 in-lb max.]		GLDC05A1A
	2NC	Slow action 	Silver	20 mm	0,11 Nm max. [1.0 in-lb max.]		GLDC06A1A

<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs.

**TABLE 17. SIDE ROTARY, METAL ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLDA01A1B
			Silver	PG 13,5			GLDB01A1B
			Gold plated	PG 13,5			GLDB07A1B
			Silver	20 mm			GLDC01A1B
				Gold plated	20 mm		GLDC07A1B
1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLDA03A1B GLDB03A1B	
2NC	Slow action 	Silver	0.5-14 NPT PG 13,5 20 mm	0,11 Nm max. [1.0 in-lb max.]		GLDA06A1B GLDB06A1B GLDC06A1B	

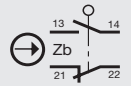
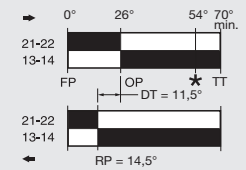
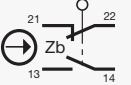
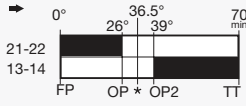

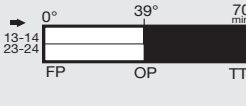
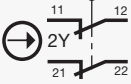
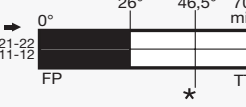
<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs.



# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

## GLC, GLD, GLE SERIES

**TABLE 18. SIDE ROTARY ADJUSTABLE, PLASTIC ROLLER**

Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLDA01A2A
			PG 13,5			GLDB01A2**
		PG 13,5	GLDB01A2A			
		20 mm	GLDC01A2A			
		Gold plated	PG 13,5			GLDB07A2A
1NC/1NO	BBM, slow action 	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLDB03A2A
2NO	Slow action 	Silver	20 mm	0,11 Nm max. [1.0 in-lb max.]		GLDC05A2A
2NC	Slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLDA06A2A
		Silver	PG 13,5			GLDB06A2A

<sup>1</sup>Contact closed ■; Contact open □; \*Positive opening occurs. \*\* No roller

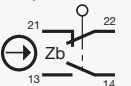
**TABLE 19. SIDE ROTARY ADJUSTABLE, METAL ROLLER**

Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLDA01A2B
		Gold plated	0.5-14 NPT			GLDA07A2B
		Silver	PG 13,5			GLDB01A2B
		Gold plated	PG 13,5			GLDB07A2B
		Silver	20 mm			GLDC01A2B
1NC/1NO	MBB, slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLDA04A2B
2NO	Slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLDA05A2B

<sup>1</sup>Contact closed ■; Contact open □; \*Positive opening occurs.


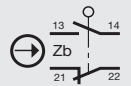
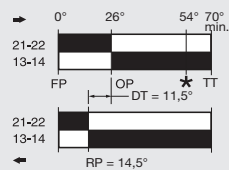
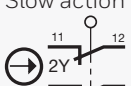
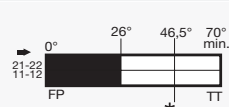
# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

**TABLE 20. SIDE ROTARY ADJUSTABLE, METAL ROD**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	 Snap action	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]	 0° 26° 54° 70° min. 21-22 13-14 FP OP * TT DT = 11,5° RP = 14,5°	GLDA01A4J
				PG 13,5			GLDB01A4J
				20 mm			GLDC01A4J
1NC/1NO	 BBM, slow action	Silver	20 mm	0,11 Nm max. [1.0 in-lb max.]	 0° 26° 36,5° 39° 70° min. 21-22 13-14 FP OP * OP2 TT	GLDC03A4J	
1NC/1NO	 MBB, slow action	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]	 0° 26° 39° 50,5° 70° min. 21-22 13-14 FP OP OP2 * TT	GLDA04A4J	

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs.

**TABLE 21. SIDE ROTARY OFFSET LEVER, METAL ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	 Snap action	Silver	0.5-14NPT	0,12 Nm max. [1.1 in-lb max.]	 0° 26° 54° 70° min. 21-22 13-14 FP OP * TT DT = 11,5° RP = 14,5°	GLDA01A5B
			Silver	PG 13,5			GLDB01A5B
			Silver	20 mm			GLDC01A5B
2NC	 Slow action	Gold plated	PG 13,5	0,11 Nm max. [1.0 in-lb max.]	 0° 26° 46,5° 70° min. 21-22 11-12 FP * TT	GLDB36A5B	

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs.

**TABLE 22. SIDE ROTARY CONVEYOR LEVER, CERAMIC ROLLER**


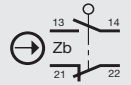
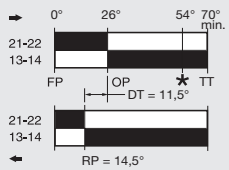
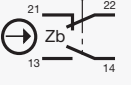
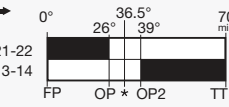
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	 Snap action	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]	 0° 26° 54° 70° min. 21-22 13-14 FP OP * TT DT = 11,5° RP = 14,5°	GLDA01A9A
			Gold plated	0.5-14 NPT			GLDA07A9A
			Silver	20 mm			GLDC01A9A
1NC/1NO	 BBM, slow action	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]	 0° 26° 36,5° 39° 70° min. 21-22 13-14 FP OP * OP2 TT	GLDA03A9A	
2NC	 Slow action	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]	 0° 26° 46,5° 70° min. 21-22 11-12 FP * TT	GLDA06A9A	

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES


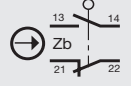
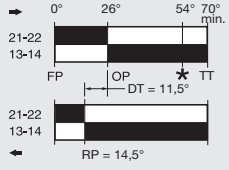
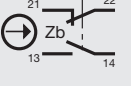
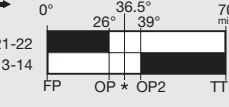
## GLC, GLD, GLE SERIES

**TABLE 23. SIDE ROTARY, 50 MM RUBBER ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLDA01A1Y
				PG 13,5			GLDB01A1Y
				20 mm			GLDC01A1Y
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLDA03A1Y
				PG 13,5			GLDB03A1Y


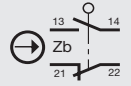
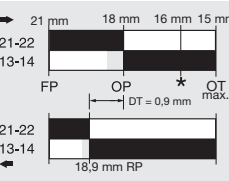
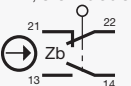
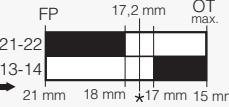
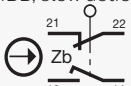
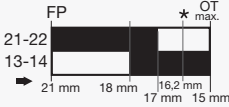

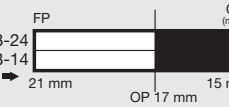
<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs.

**TABLE 24. SIDE ROTARY ADJUSTABLE, 50 MM RUBBER ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLDA01A2Y
				PG 13,5			GLDB01A2Y
				20 mm			GLDC01A2Y
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLDA03A2Y
				PG 13,5			GLDB03A2Y

<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs.

**TABLE 25. TOP PIN PLUNGER**


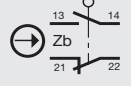
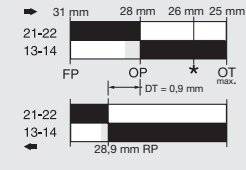
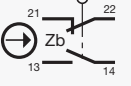
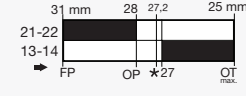
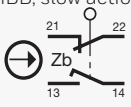
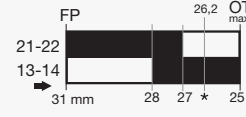
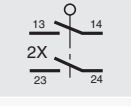
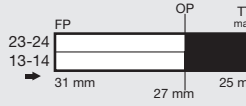
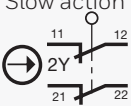
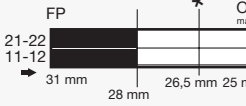
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		GLDA01B
			Silver	PG 13,5			GLDB01B
			Gold plated	PG 13,5			GLDB07B
			Silver	20 mm			GLDC01B
			Gold plated	20 mm			GLDC07B
	1NC/1NO	BBM, slow action 	Silver	0.5-14NPT	14 N max. [3.2 lb max.]		GLDA03B
				PG 13,5			GLDB03B
	1NC/1NO	MBB, slow action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		GLDA04B
				PG 13,5			GLDB04B
				20 mm			GLDC04B
2 NO	Slow action 	Silver	20 mm	13 N max. [2.9 lb max.]		GLDC05B	

<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs. NOTE: Bar chart measurements are in millimeters.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES


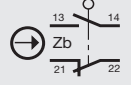
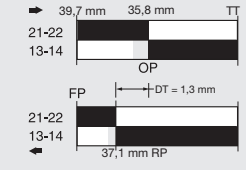
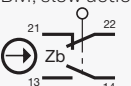
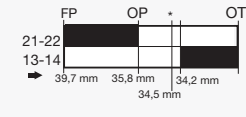
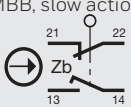
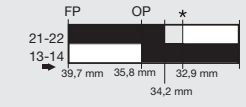
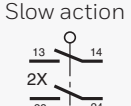
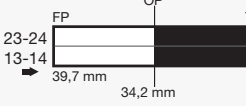
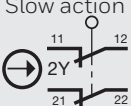
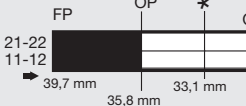
## GLC, GLD, GLE SERIES

**TABLE 26. TOP ROLLER PLUNGER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		GLDA01C
			Gold plated	0.5-14 NPT			GLDA07C
			Silver	PG 13,5			GLDB01C
			Gold plated	PG 13,5			GLDB07C
			Silver	20 mm			GLDC01C
1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	14 N max. [3.2 lb max.]		GLDA03C	
		Silver	PG 13,5			GLDB03C	
		Gold plated	PG 13,5			GLDB33C	
		Silver	20 mm			GLDC03C	
1NC/1NO	MBB, slow action 	Silver	PG 13,5	16 N max. [3.6 lb max.]		GLDB04C	
2NO	Slow action 	Silver	20 mm	13 N max. [2.9 lb max.]		GLDC05C	
2NC	Slow action 	Silver	0.5-14 NPT	13 N max. [2.9 lb max.]		GLDA06C	
		Silver	PG 13,5			GLDB06C	
		Gold plated	PG 13,5			GLDB36C	
		Silver	20 mm			GLDC06C	

<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs. NOTE: Bar chart measurements are in millimeters.

**TABLE 27. TOP ROLLER LEVER**



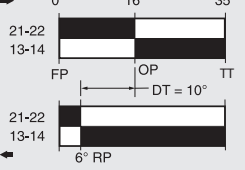

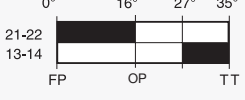
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	10 N max. [2.2 lb max.]		GLDA01D
				PG 13,5			GLDB01D
				20 mm			GLDC01D
1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	9 N max. [2.0 lb max.]		GLDA03D	
			PG 13,5			GLDB03D	
			20 mm			GLDC03D	
1NC/1NO	MBB, slow action 	Silver	PG 13,5	10 N max. [2.2 lb max.]		GLDB04D	
2NO	Slow action 	Silver	20 mm	8 N max. [1.8 lb max.]		GLDC05D	
2NC	Slow action 	Silver	0.5-14 NPT	8 N max. [1.8 lb max.]		GLDA06D	
			20 mm			GLDC06D	

<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs. NOTE: Bar chart measurements are in millimeters.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES



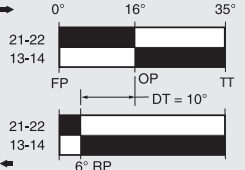

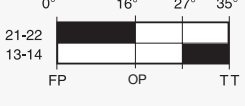
## GLC, GLD, GLE SERIES

**TABLE 28. COIL SPRING WOBBLE, 130 MM**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	1,3 N max. [0.29 lb max.]		<b>GLDA01E7B</b>
				PG 13,5			<b>GLDB01E7B</b>
				20 mm			<b>GLDC01E7B</b>
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	1,1 N max. [0.25 lb max.]		<b>GLDA03E7B</b>

<sup>1</sup>Contact closed ■; Contact open □.

**TABLE 29. CAT WHISKER WOBBLE, 190 MM**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,9 N max. [0.19 lb max.]		<b>GLDA01K8B</b>
				PG 13,5			<b>GLDB01K8B</b>
				20 mm			<b>GLDC01K8B</b>
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	0,7 N max. [0.16 lb max.]		<b>GLDA03K8B</b>

<sup>1</sup>Contact closed ■; Contact open □.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

## MICRO SWITCH™ GLD DIMENSIONAL DRAWINGS mm [in]

Figure 12. GLD Side Rotary • A1, A1A, A1B, and A1Y

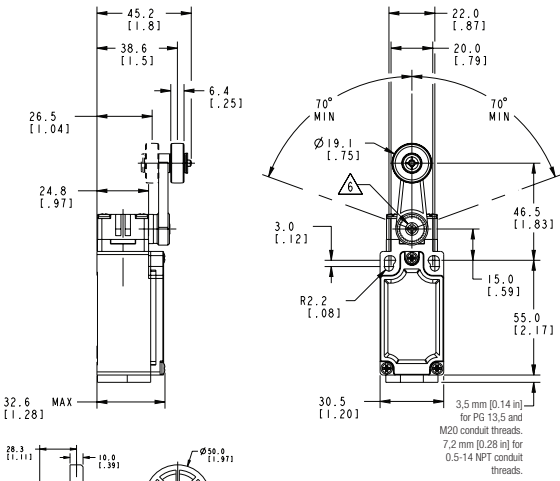


Figure 15. GLD Side Rotary • A5A and A5B

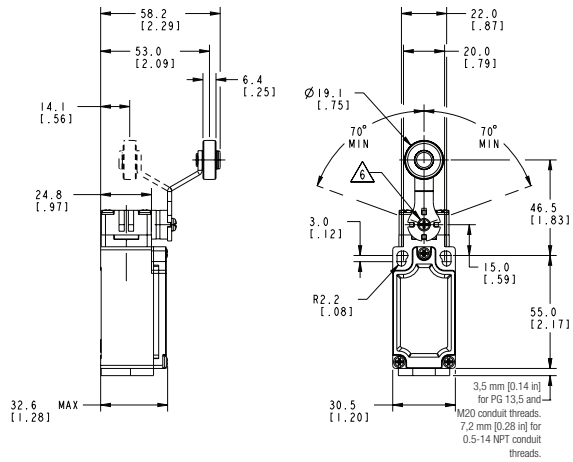


Figure 16. GLD Side Rotary • A9A

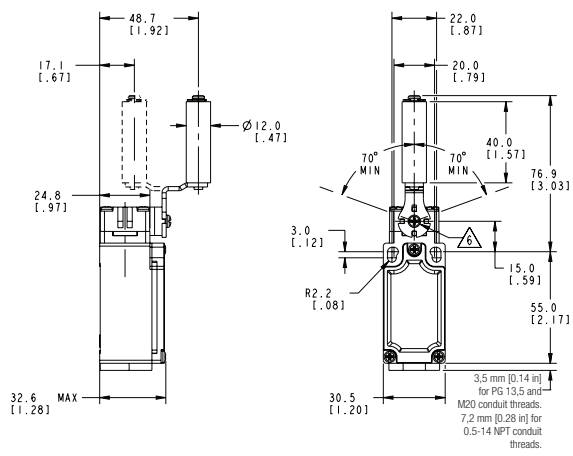


Figure 13. GLD Side Rotary • A2, A2A, A2B, and A2Y

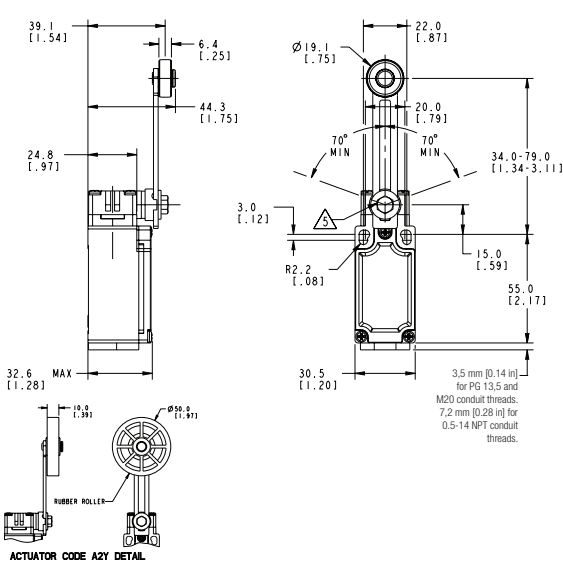


Figure 17. GLD Top Pin Plunger

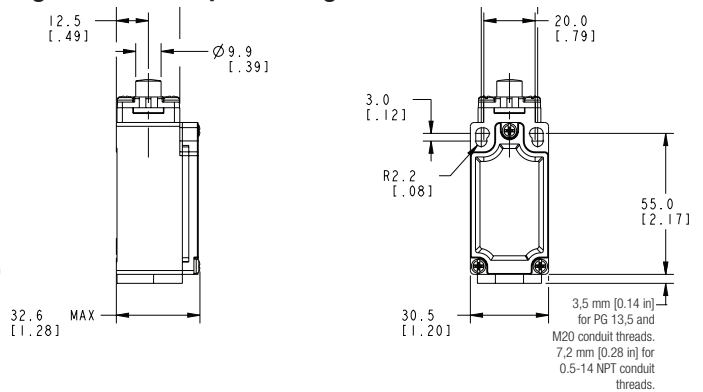
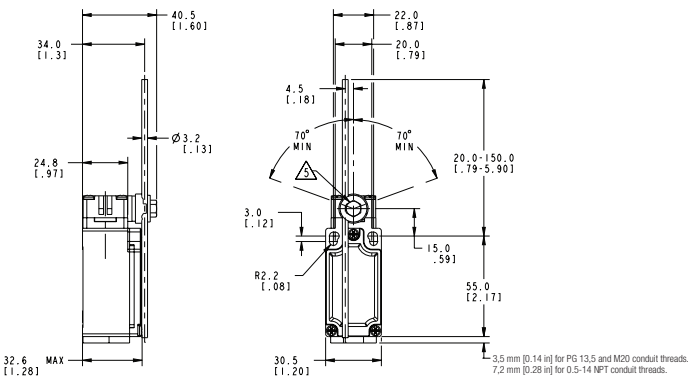


Figure 14. GLD Side Rotary Rod • A4J (140 mm) & A4L (200 mm)



# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

## MICRO SWITCH™ GLD DIMENSIONAL DRAWINGS mm [in]

Figure 18. GLD Top Roller Plunger

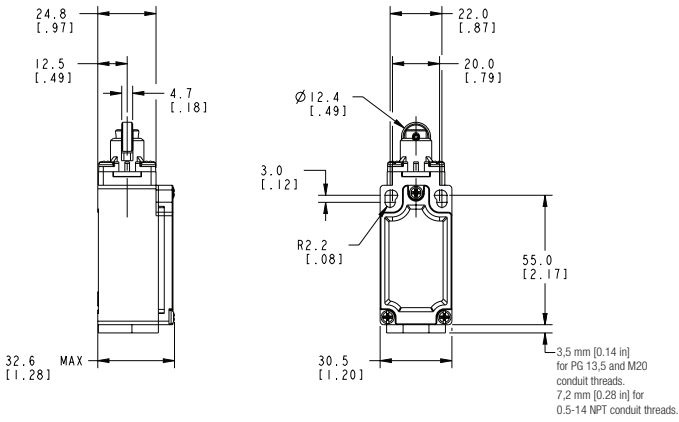


Figure 20. GLD Wobble • E7B

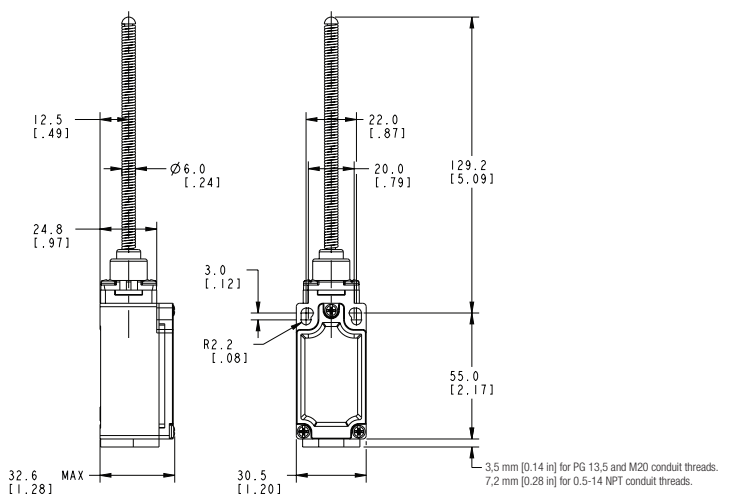


Figure 19. GLD Top Roller Arm

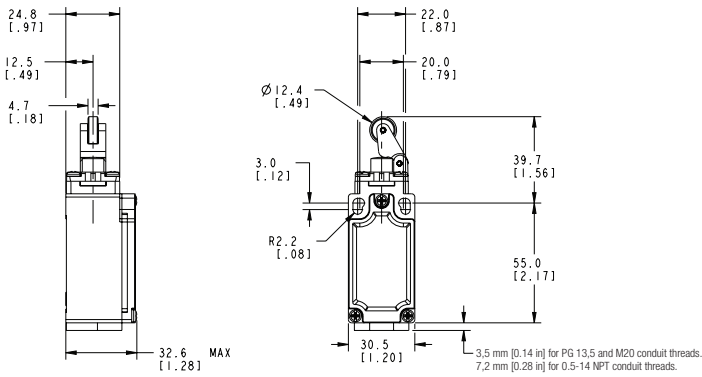


Figure 21. GLD Wobble • K8A/K8B

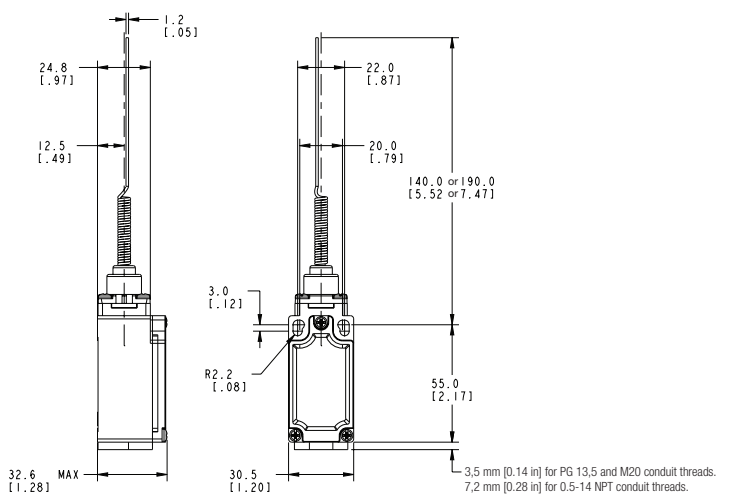
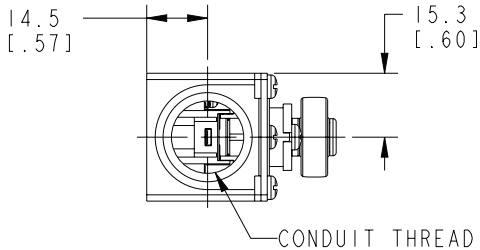


Figure 22. GLD Conduit




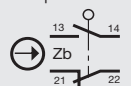
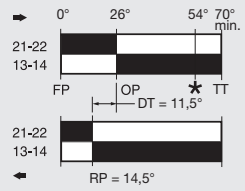
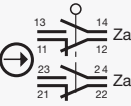
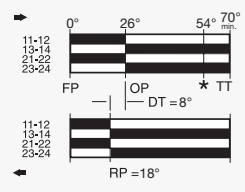
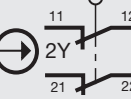
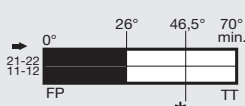


# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

## MICRO SWITCH™ GLE SERIES ORDER GUIDE/RECOMMENDED LISTINGS


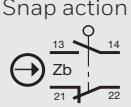
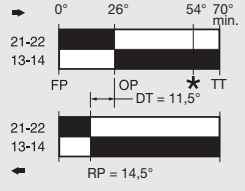
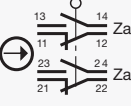
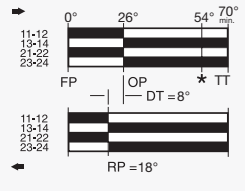
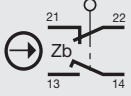
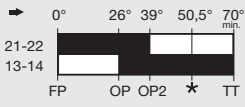
For listings not shown, contact your Honeywell representative.

**TABLE 30. SIDE ROTARY, PLASTIC ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLEA01A1A
				PG 13,5			
	2NC/2NO	Snap action 	Gold plated	0.5-14 NPT	0,165 Nm max. [1.6 in-lb max.]		GLEA32A1A
				PG 13,5			
	2NC	Slow action 	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLEB06A1A
			Gold plated	0.5-14 NPT			GLEA36A1A

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs. † 0.5-14 NPT conduit option includes adapter.

**TABLE 31. SIDE ROTARY, METAL ROLLER**


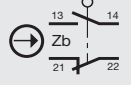
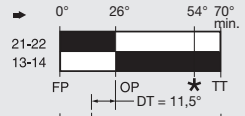


	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLEA01A1B
			Silver	PG 13,5			GLEB01A1B
			Gold plated	PG 13,5			GLEB07A1B
			Silver	20 mm			GLEC01A1B
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	0,165 Nm max. [1.6 in-lb max.]		GLEA24A1B
			Gold plated	PG 13,5			GLEB24A1B
			Silver	20 mm			GLEC24A1B
	1NC/1NO	MBB, slow action 	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLEB04A1B

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs. † 0.5-14 NPT conduit option includes adapter.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES


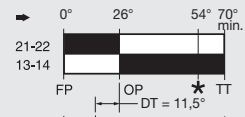
## GLC, GLD, GLE SERIES

**TABLE 32. SIDE ROTARY ADJUSTABLE, PLASTIC ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		<b>GLEA01A2A</b>
				PG 13,5			
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	0,165 Nm max. [1.6 in-lb max.]		<b>GLEA24A2A</b>
				20 mm			

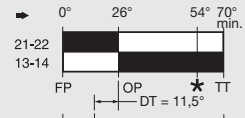

<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs. † 0.5-14 NPT conduit option includes adapter.

**TABLE 33. SIDE ROTARY ADJUSTABLE, METAL ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		<b>GLEA01A2B</b>
				PG 13,5			
			Gold plated	20 mm			<b>GLEC01A2B</b>
				PG 13,5			
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	0,165 Nm max. [1.6 in-lb max.]		<b>GLEA24A2B</b>
				PG 13,5			

<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs.† 0.5-14 NPT conduit option includes adapter.


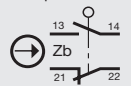
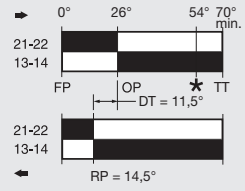
**TABLE 34. SIDE ROTARY ADJUSTABLE, METAL ROD, A4J (140 MM ROD)**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing	
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		<b>GLEA01A4J</b>	
				PG 13,5				<b>GLEB01A4J</b>
				20 mm				
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	0,165 Nm max. [1.6 in-lb max.]		<b>GLEA24A4J</b>	

<sup>1</sup>Contact closed ■, Contact open □. \*Positive opening occurs.† 0.5-14 NPT conduit option includes adapter.


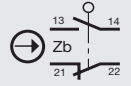
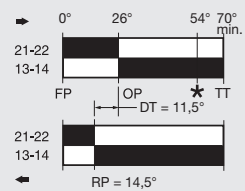
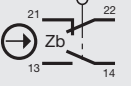
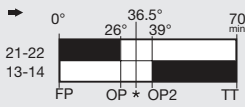

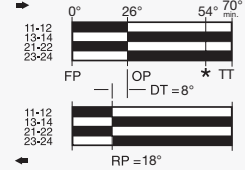
# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

**TABLE 35. SIDE ROTARY OFFSET LEVER, PLASTIC ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		<b>GLEA01A5A</b>
				PG 13,5			<b>GLEB01A5A</b>

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs. † 0.5-14 NPT conduit option includes adapter.


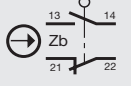
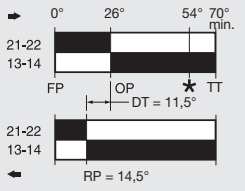
**TABLE 36. SIDE ROTARY OFFSET LEVER, METAL ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		<b>GLEA01A5B</b>
				PG 13,5			<b>GLEB01A5B</b>
	1NC/1NO	BBM, slow action 	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		<b>GLEB03A5B</b>
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	0,165 Nm max. [1.6 in-lb max]		<b>GLEA24A5B</b>

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs. † 0.5-14 NPT conduit option includes adapter.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

**TABLE 37. SIDE ROTARY CONVEYOR LEVER, CERAMIC ROLLER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	PG 13,5	0,12 Nm max. [1.1 in-lb max.]		<b>GLEB01A9A</b>  <b>GLEC01A9A</b>
				20 mm			


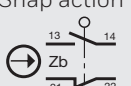
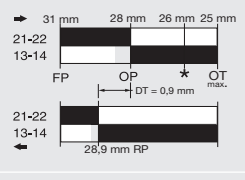

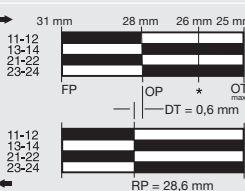
<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs.

**TABLE 38. TOP PIN PLUNGER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		<b>GLEA01B</b>
				PG 13,5			<b>GLEB01B</b>
				20 mm			<b>GLEC01B</b>
	1NC/1NO	BBM, slow action 	Silver	PG 13,5	14 N max. [3.2 lb max.]		<b>GLEB03B</b>
				20 mm			<b>GLEC03B</b>
				Gold plated			<b>GLEB33B</b>
2NC/2NO	Snap action 	Silver	0.5-14 NPT	13 N max. [2.9 lb max.]		<b>GLEA24B</b>	
			PG 13,5			<b>GLEB24B</b>	
			20 mm			<b>GLEC24B</b>	
			Gold plated	20 mm		<b>GLEC32B</b>	

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs. NOTE: Bar chart measurements are in millimeters. † 0.5-14 NPT conduit option includes adapter.

**TABLE 39. TOP ROLLER PLUNGER**

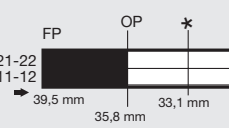
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		<b>GLEA01C</b>
				PG 13,5			<b>GLEB01C</b>
				20 mm			<b>GLEC01C</b>
		Gold plated	PG 13,5	<b>GLEB07C</b>			
2NC/2NO	Snap action 	Silver	0.5-14 NPT	13 N max. [2.9 lb max.]		<b>GLEA24C</b>	
			PG 13,5			<b>GLEB24C</b>	
			20 mm			<b>GLEC24C</b>	

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs. NOTE: Bar chart measurements are in millimeters. † 0.5-14 NPT conduit option includes adapter.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES


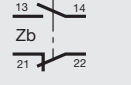
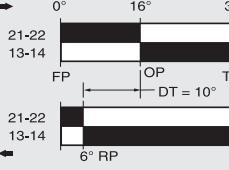
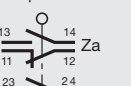
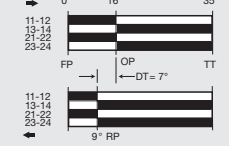
## GLC, GLD, GLE SERIES

**TABLE 40. TOP ROLLER LEVER**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing	
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	10 N max. [2.2 lb max.]		<b>GLEA01D</b>	
				PG 13,5				<b>GLEB01D</b>
				20 mm				<b>GLEC01D</b>
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	3,2 N max. [0.72 lb max.]		<b>GLEA24D</b>	
				PG 13,5			<b>GLEB24D</b>	
				20 mm			<b>GLEC24D</b>	
2 NC	Slow action 	Silver	0.5-14 NPT	8 N max. [1.8 lb max.]		<b>GLEA06D</b>		


<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs. NOTE: Bar chart measurements are in millimeters. † 0.5-14 NPT conduit option includes adapter.

**TABLE 41. COIL SPRING WOBBLE, 130 MM**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	1,3 N max. [0.29 lb max.]		<b>GLEA01E7B</b>
				PG 13,5			<b>GLEB01E7B</b>
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	1.1 N max. 0.25 lb max.]		<b>GLEA24E7B</b>
				PG 13,5			<b>GLEB24E7B</b>

<sup>1</sup>Contact closed ■; Contact open □. \*Positive opening occurs. NOTE: Bar chart measurements are in millimeters. † 0.5-14 NPT conduit option includes adapter.

**TABLE 42. CAT WHISKER WOBBLE, 140 MM**

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart <sup>1</sup>	Listing
	1NC/1NO	Snap action 	Silver	PG 13,5	0,9 N max. [0.19 lb max.]		<b>GLEB01K8A</b>
			Gold plated	PG 13,5			<b>GLEB07K8A</b>
	2NC/2NO	Snap action 	Silver	PG 13,5	1.1 N max. 0.25 lb max.]		<b>GLEB24K8A</b>

<sup>1</sup>Contact closed ■; Contact open □.

# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

## MICRO SWITCH™ GLE DIMENSIONAL DRAWINGS mm [in]

Figure 23. GLE Side Rotary • A1, A1A, A1B, and A1Y

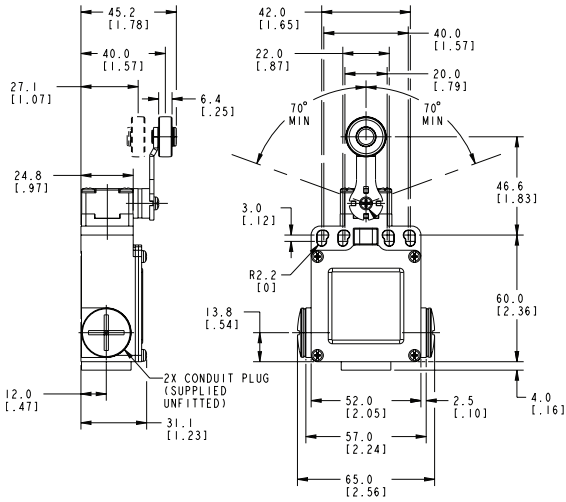


Figure 26. GLE Side Rotary • A5A and A5B

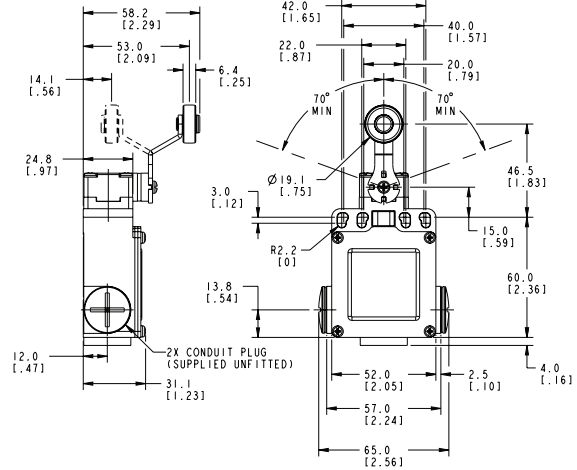


Figure 24. GLE Side Rotary • A2, A2A, A2B, and A2Y

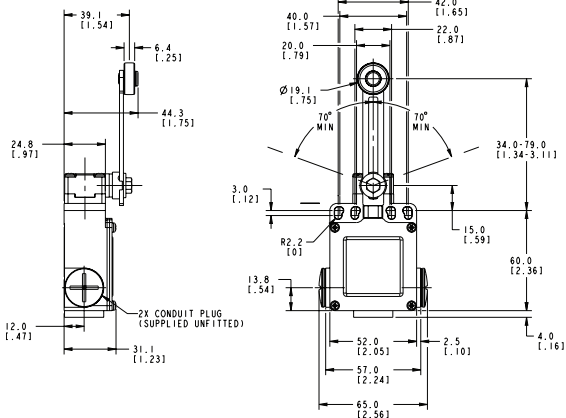


Figure 27. GLE Side Rotary • A9A

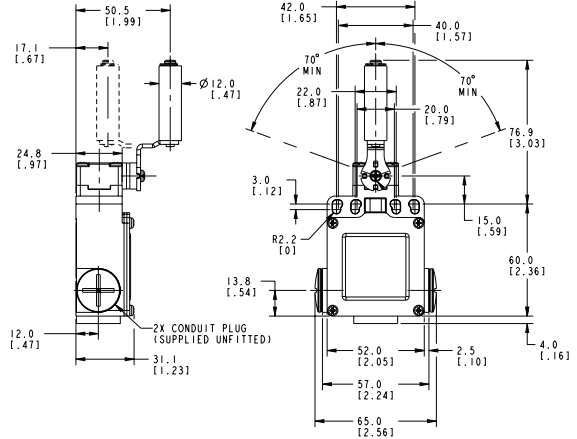


Figure 25. GLE Side Rotary • A4J and A4L

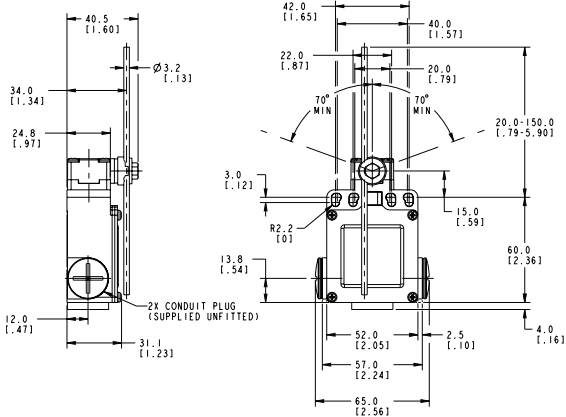
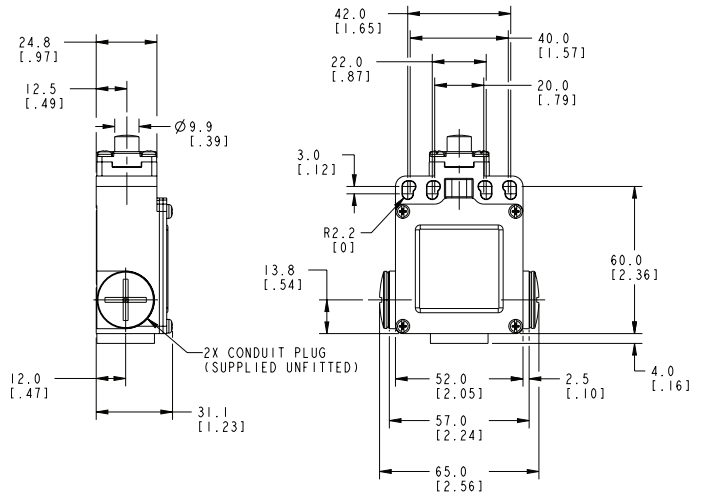


Figure 28. GLE Top Pin Plunger



# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

## MICRO SWITCH™ GLE DIMENSIONAL DRAWINGS mm [in]

Figure 29. GLE Top Roller Plunger

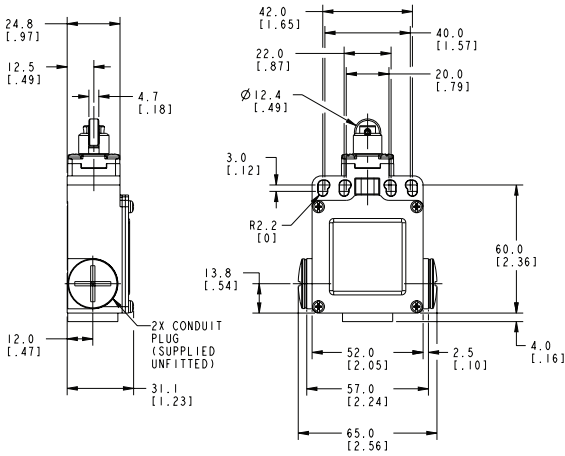


Figure 31. GLE Wobble • E7B

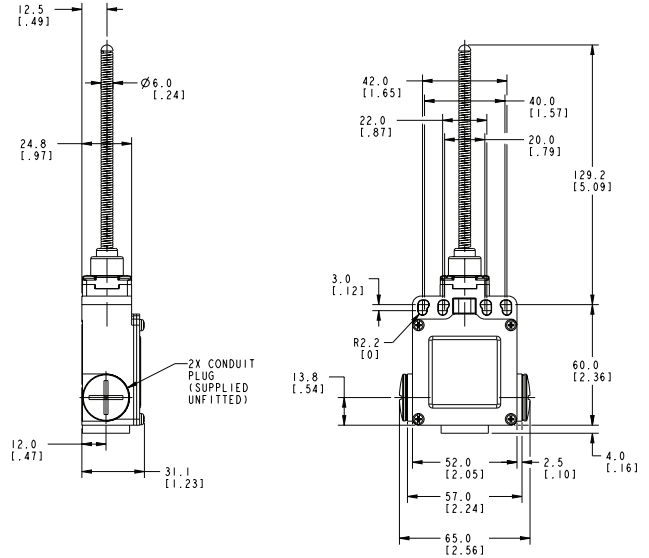


Figure 30. GLE Top Roller Arm

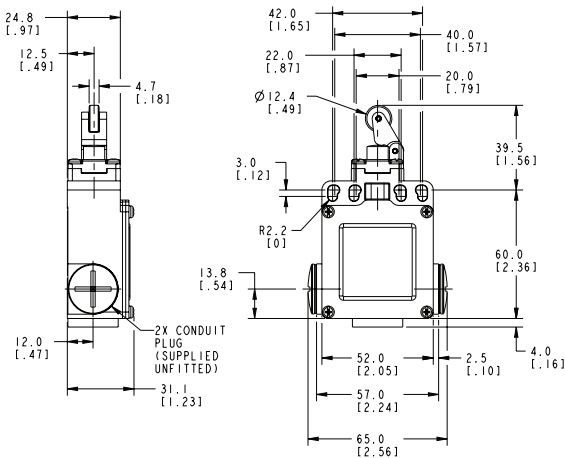


Figure 32. GLE Wobble • K8A

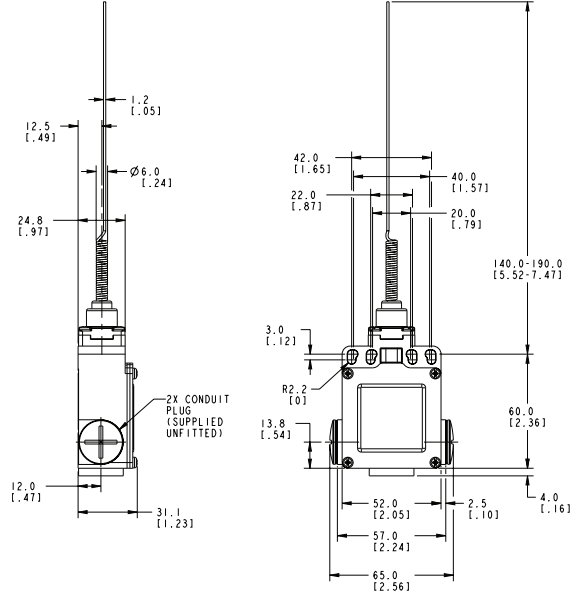
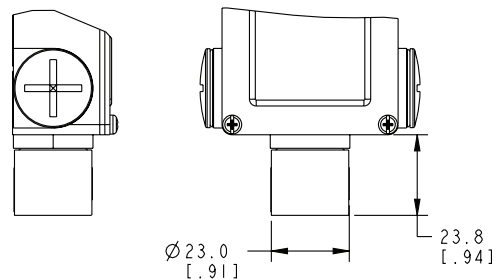


Figure 33. GLE Conduit Adapter for 0.5-14 NPT





# MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

## FACTORY PRE-WIRED LIMIT SWITCHES WITH INTEGRAL CONNECTOR

### Epoxy-coated Metal Limit Switches

**GLCC01B-D1:** Top pin plunger, 1NC/1NO snap action, with Deutsch DT style 4-pin connector

**GLCC01C-D1:** Top roller plunger, 1NC/1NO snap action, with Deutsch DT style 4-pin connector

**GLCC06A1B-D1:** Side rotary with metal roller, 2NC slow action, with Deutsch DT style 4-pin connector

### Plastic Limit Switches

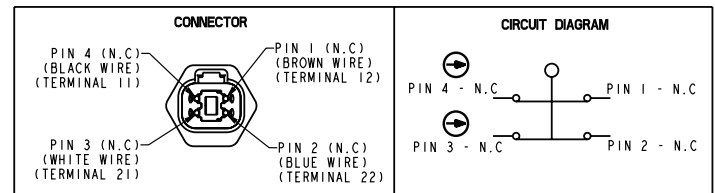
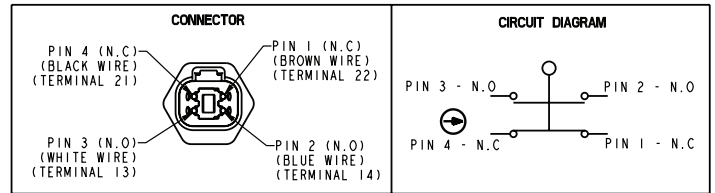
**GLDC01A1A-D1:** Side rotary with plastic roller, 1NC/1NO snap action, with Deutsch DT style 4-pin connector

**GLDC01A1B-D1:** Side rotary with metal roller, 1NC/1NO snap action, with Deutsch DT style 4-pin connector

**GLDC01C-D1:** Top roller plunger, 1NC/1NO snap action, with Deutsch DT style 4-pin connector



## FACTORY PRE-WIRED LIMIT SWITCHES WITH INTEGRAL CONNECTOR

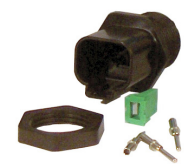


Note: Reference base catalog listing for switch characteristics. For example, cat. listing GLCC01B-D1 has base cat. listing GLCC01B.

### Connector Without Limit Switch



**GLZ8C-DEU:** DT style 4-pin connector prewired with 6 in. of lead wires (4) and 20 mm conduit thread with jam nut



**GLZ8C-PA:** DT style 4-pin connector packet with all parts furnished unassembled for a 20 mm conduit thread

## REPLACEMENT PARTS - BASIC SWITCHES

Body Type	Basic Switch									
	01	03	04	06	07	24	32	33	34	36
GLC	GLZ301	GLZ303	GLZ304	GLZ306	GLZ307	n/a	n/a	GLZ333	GLZ334	GLZ336
GLD	GLZ301	GLZ303	GLZ304	GLZ306	GLZ307	n/a	n/a	GLZ333	GLZ334	GLZ336
GLE	GLZ301	GLZ303	GLZ304	GLZ306	GLZ307	GLZ324	GLZ332	GLZ333	GLZ334	GLZ336

## ADDITIONAL MATERIALS

The following associated literature is available at [sps.honeywell.com/ast](https://sps.honeywell.com/ast):

- Product installation instructions
- Aerospace range guide
- Transportation range guide
- Limits and Machine Safety range guide
- Product application-specific information
  - Application Note: Sensors and Switches for Industrial Manual Process Valves
  - Application Note: Sensors and Switches Used in Valve Actuators and Valve Positioners
  - Industrial Machinery Switch Guide
  - Limit and Enclosed Switches Application Information
  - Limit and Enclosed Switches Operating Characteristics
  - Limit and Enclosed Switches Reference Standards
  - Limit and Enclosed Switches Typical Applications
  - Sensors and Switches in Mobile Cranes
  - Sensors and Switches in Front Loaders
  - Sensors and Switches in Elevator Applications

## FOR MORE INFORMATION

Honeywell Advanced Sensing Technologies services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing, or the nearest Authorized Distributor, visit [sps.honeywell.com/ast](https://sps.honeywell.com/ast) or call:

USA/Canada	+302 613 4491
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## WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgment or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items that Honeywell, in its sole discretion, finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

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Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this writing. However, Honeywell assumes no responsibility for its use.

## WARNING IMPROPER INSTALLATION

- Consult with local safety agencies and their requirements when designing a machine-control link, interface and all control elements that affect safety.
- Strictly adhere to all installation instructions.

**Failure to comply with these instructions could result in death or serious injury.**

## WARNING MISUSE OF DOCUMENTATION

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**