

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, CCC¹
- Conforms to EN 50047, IEC/EN 60947-5-1; CSA C22.2 #14; UL 508; CCC¹ 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 CCC¹, 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.

¹CCC 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.

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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 ¹ , 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 (Ith)	10 A
Rated insulation voltage (Ui)	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 ¹
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 Zb (electrically separated) except the 2NC/2NO contacts requires same polarity each pole (Za).

¹CCC 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 Ue	AC15 Ie	VA		Q300 Ue	DC13 Ie	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

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Figure 1. Product Nomenclature

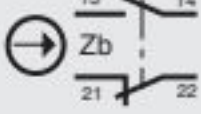
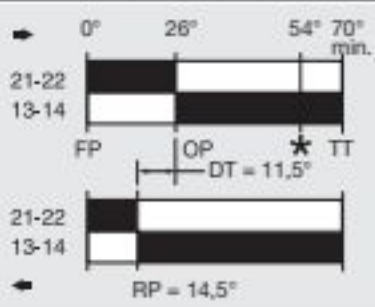
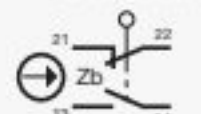
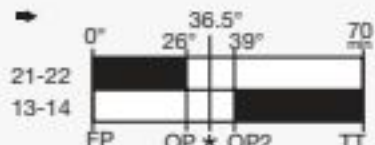
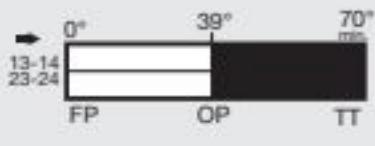
GL	C	A	01	A1A	L	
Switch Type	Body	Conduit	Basic Switch	Head/Actuator	Modification Codes For Actuator types beginning with A*	
GLS Series Global Limit Switch	C Metal, miniature	A 1/2-14 NPT	01 SPDT snap action	A1A Side rotary, fixed, 19 mm x 6 mm nylon roller	E7B Wobble, coil spring	1 CW rotation only
	D Plastic, miniature	B PG 13.5	03 SPDT, BBM slow acting	A1B Side rotary, fixed, 19 mm x 6 mm steel roller	F^A Adj. top roller lever, Ø27,3 mm x 5 mm roller	2 CCW rotation only
	E Metal, three conduit	C 20 mm	04 SPDT, MBB slow acting	A2A Side rotary, adjust., 19 mm x 6 mm nylon roller	K8A Cat whisker, 140 mm	3 Lever to right
NOTE: not all combinations of model codes are available. Please contact your Honeywell provider/representative for assistance.			05 DPST, 2NO slow acting	A2B Side rotary, adjust., 19 mm x 6 mm steel roller	K8B Cat whisker, 190 mm	4 Lever to left
			06 DPST, 2NC slow acting	A4J Side rotary, adjust., 140 mm aluminum rod	K8D Cat whisker, 165 mm	5 Lever to mounting surf.
			07 SPDT, snap action, gold cont.	A4L Side rotary, adjust., 200 mm aluminum rod	A1 Side rotary, fixed, no roller	for Actuator/Type C
			24 DPDT, snap action, Body E	A5A Side rotary, offset, 19 mm x 6 mm nylon roller	A2 Side rotary, adjustable, no roller	6 Roller perpendicular to mtg. surf.
			32 DPDT, snap action, gold cont. Body E	A5B Side rotary, offset, 19 mm x 6 mm steel roller	A1Y Side rotary, fixed, 50 mm x 10 mm rubber roller	for Actuator/Type D
			33 SPDT, BBM slow acting, gold contacts	A9A Side rotary, conveyor lever	A2Y Side rotary, adj., 50 mm x 10 mm rubber roller	
			34 SPDT, MBB slow acting, gold contacts	B Top pin plunger	*Available with D style body (plastic) only.	4 Lever to right, hinge to left
			35 DPST, 2NO slow acting, gold contacts	C Top roller plunger		*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 clock- wise actuation only. The operating shaft is to the right side of the switch when viewing the switch from the front (label side).
			36 DPST, 2NC slow acting, gold contacts	D Top roller lever		

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MICRO SWITCH **GLC** SERIES ORDER GUIDE/RECOMMENDED LISTINGS

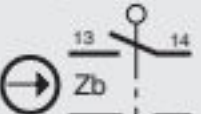
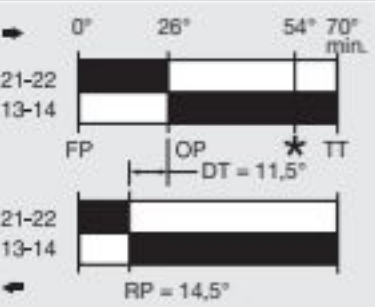
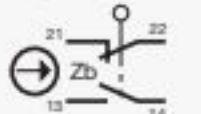
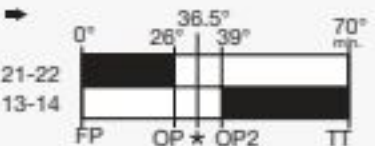
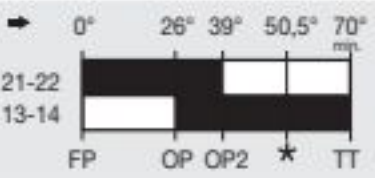
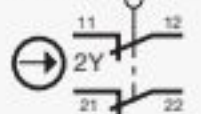
For listings not shown, contact your Honeywell representative.

TABLE 3. SIDE ROTARY, PLASTIC ROLLER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	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

¹Contact closed ■; Contact open □. *Positive opening occurs.

TABLE 4. SIDE ROTARY, METAL ROLLER

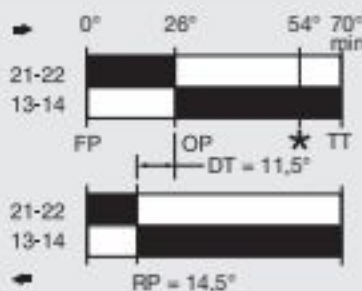
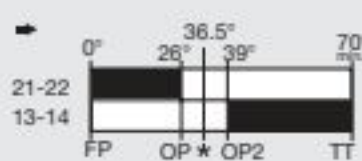
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	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLCA01A1B
			Silver	PG 13,5			GLCB01A1B
			Silver	20 mm			GLCC01A1B
			Gold plated	PG 13,5			GLCB07A1B
			Gold plated	20 mm			GLCC07A1B
	1NC/1NO	BBM, slow action 	Silver	0.5-14 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

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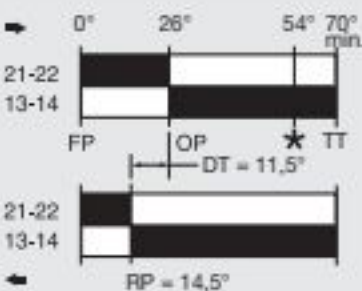
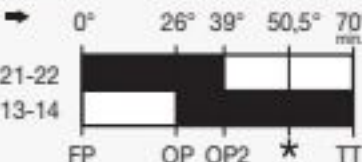
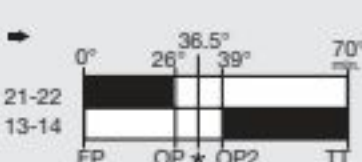
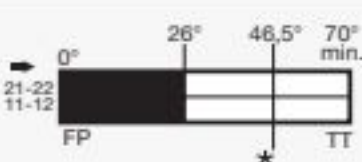
GLC, GLD, GLE SERIES

TABLE 5. SIDE ROTARY ADJUSTABLE, PLASTIC ROLLER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	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

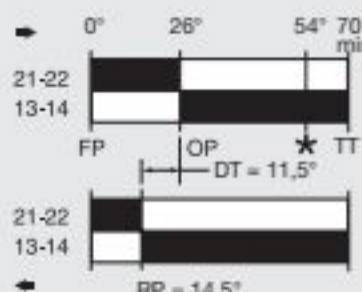
¹Contact closed ■; Contact open □. *Positive opening occurs.

TABLE 6. SIDE ROTARY ADJUSTABLE, METAL ROLLER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	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

¹Contact closed ■; Contact open □. *Positive opening occurs.

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

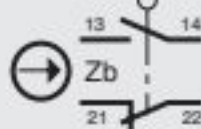
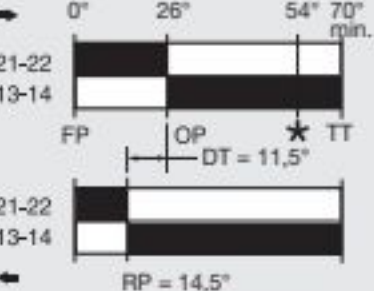
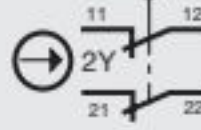
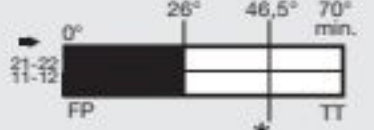
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	1NC/1NO	Snap action	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLCA01A4J
				PG 13,5			GLCB01A4J
				20 mm			GLCC01A4J
				PG13,5			GLCB01A4L

¹Contact closed ■; Contact open □. *Positive opening occurs.

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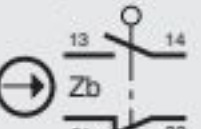
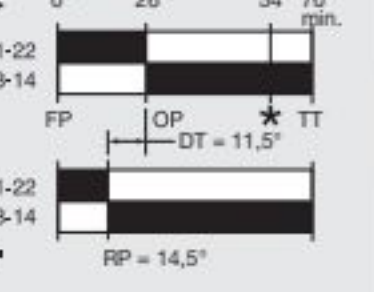
GLC, GLD, GLE SERIES

TABLE 8. SIDE ROTARY OFFSET LEVER, METAL ROLLER

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

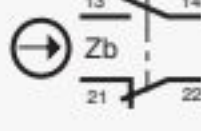
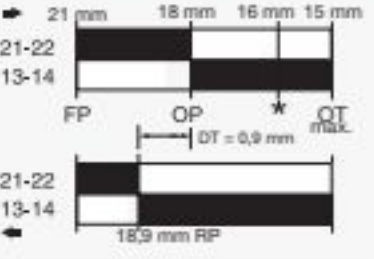
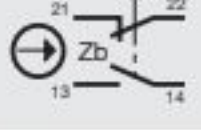
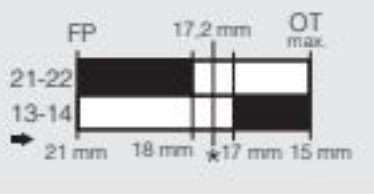
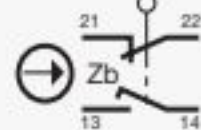
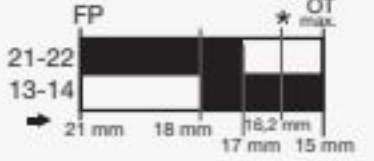
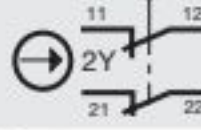
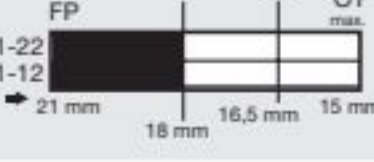
¹Contact closed ■; Contact open □. *Positive opening occurs.

TABLE 9. SIDE ROTARY CONVEYOR LEVER, CERAMIC ROLLER

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	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLCA01A9A
				PG 13,5			GLCB01A9A
				20 mm			GLCC01A9A

¹Contact closed ■; Contact open □. *Positive opening occurs.

TABLE 10. TOP PIN PLUNGER

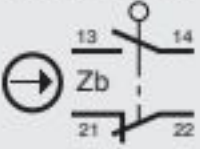
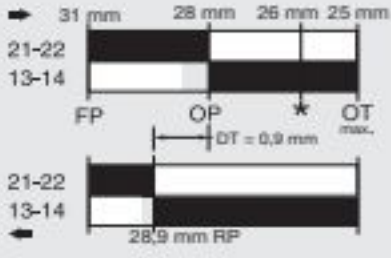
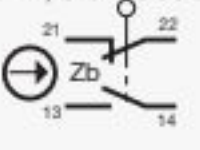
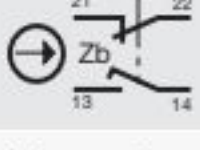
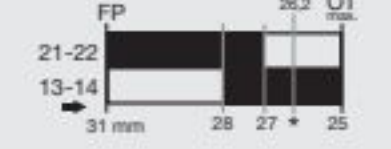
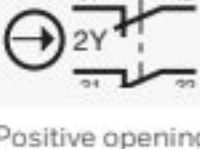
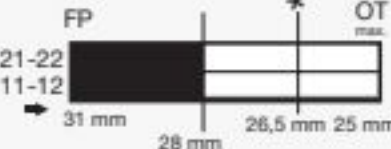
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		GLCA01B
			Silver	PG 13,5			GLCB01B
			Silver	20 mm			GLCC01B
			Gold plated	PG 13,5			GLCB07B
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	14 N max. [3.2 lb max.]		GLCA03B
				PG 13,5			GLCB03B
	1NC/1NO	MBB, slow action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		GLCA04B
				PG 13,5			GLCB04B
	2 NC	Slow action 	Silver	PG 13,5	13 N max. [2.9 lb max.]		GLCB06B

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

MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

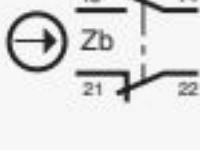
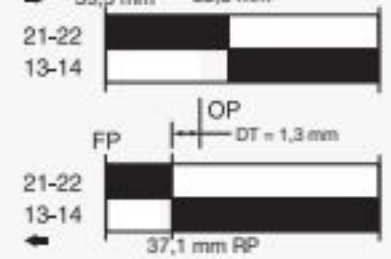
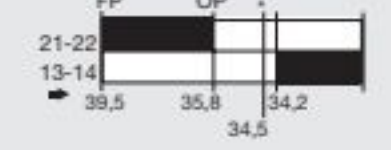
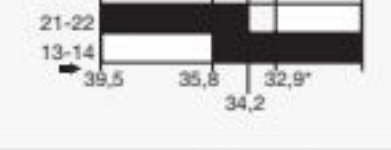
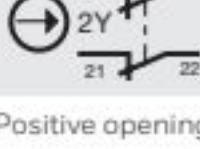
GLC, GLD, GLE SERIES

TABLE 11. TOP ROLLER PLUNGER

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

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

TABLE 12. TOP ROLLER LEVER

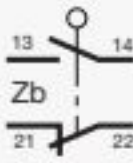
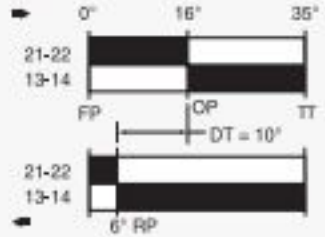
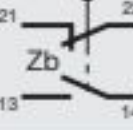
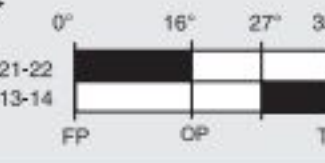
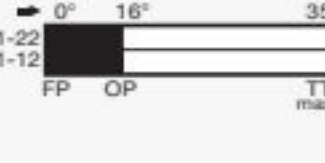
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	10 N max. [2.2 lb max.]		GLCA01D
			Silver	PG 13,5			GLCB01D
			Gold plated	PG 13,5			GLCB07D
			Silver	20 mm			GLCC01D
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	9 N max. [2.0 lb max.]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

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

MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

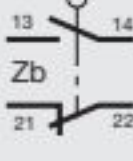
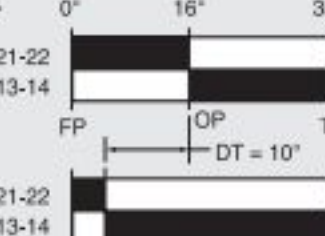
GLC, GLD, GLE SERIES

TABLE 13. COIL SPRING WOBBLE, 130 MM

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

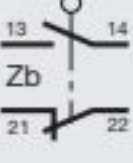
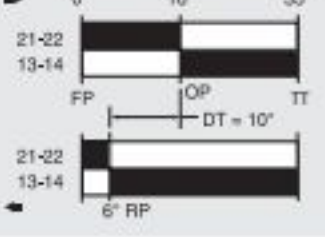
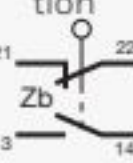
¹Contact closed ■; Contact open □.

TABLE 14. CAT WHISKER WOBBLE, 140 MM

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

¹Contact closed ■; Contact open □.

TABLE 15. CAT WHISKER WOBBLE, 190 MM

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

¹Contact closed ■; Contact open □.

MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

GLC, GLD, GLE SERIES

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

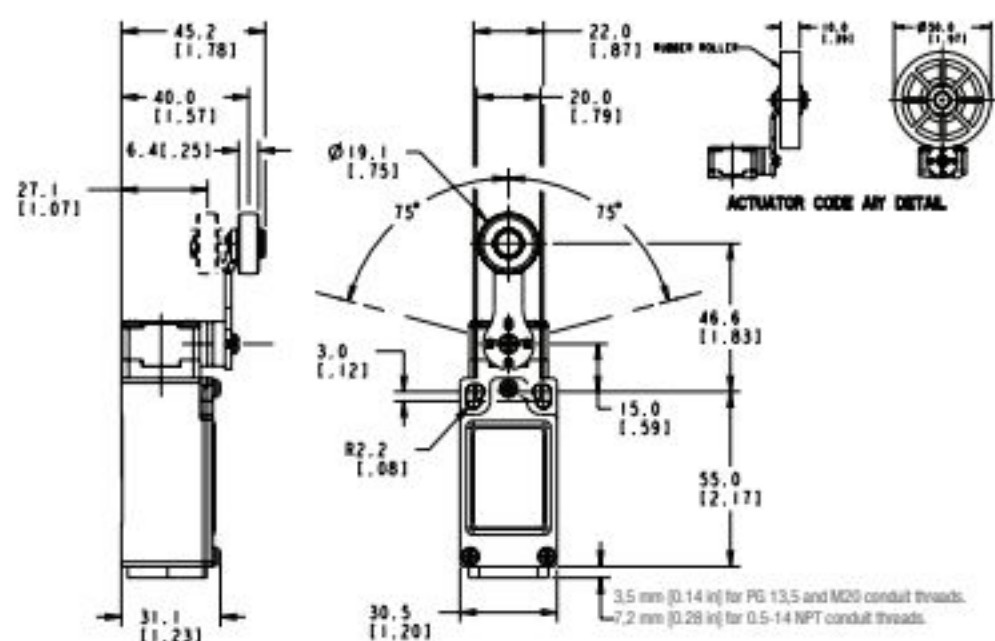


Figure 4. GLC Side Rotary • A5A and A5B

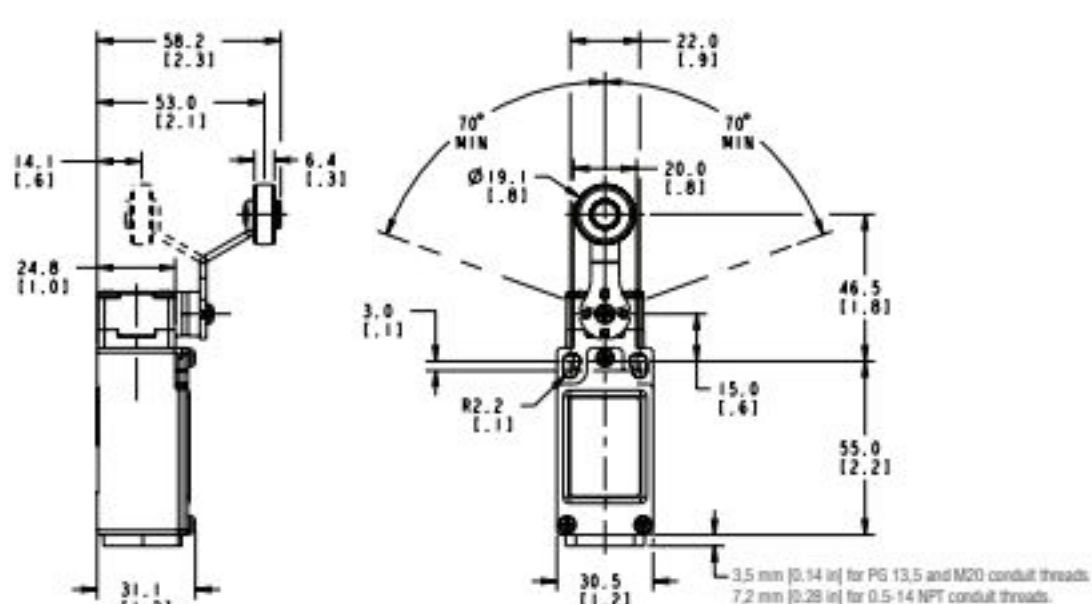


Figure 2. GLC Side Rotary • A2, A2A, A2B, and A2Y

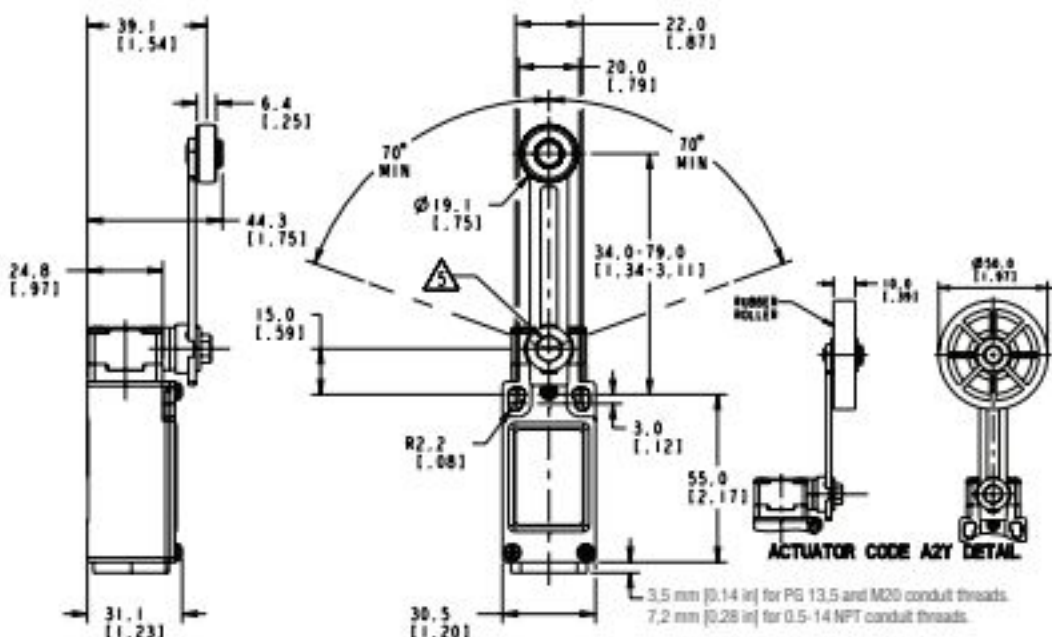


Figure 5. GLC Side Rotary • A9A

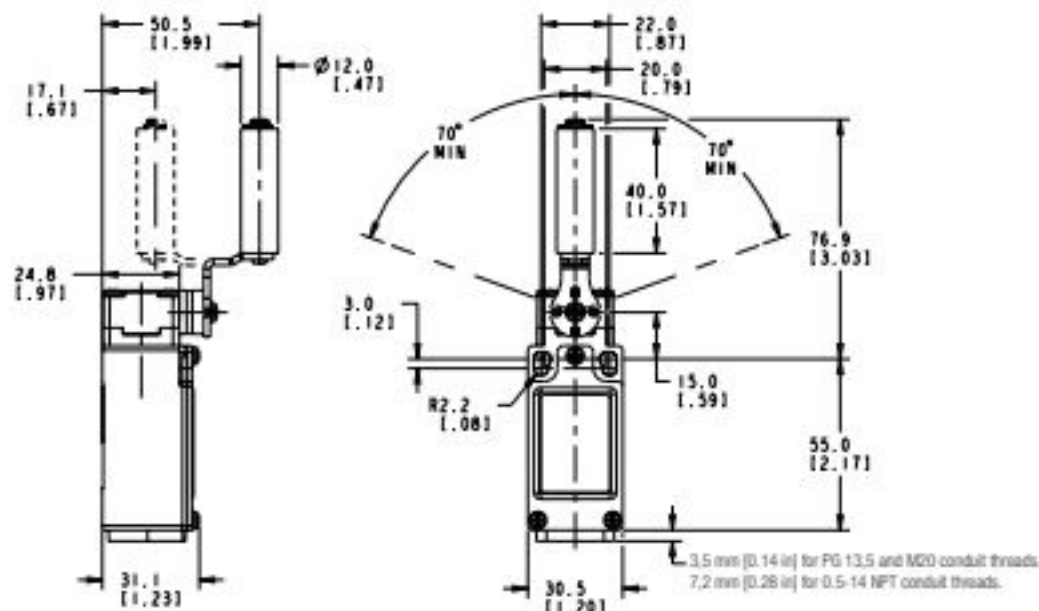
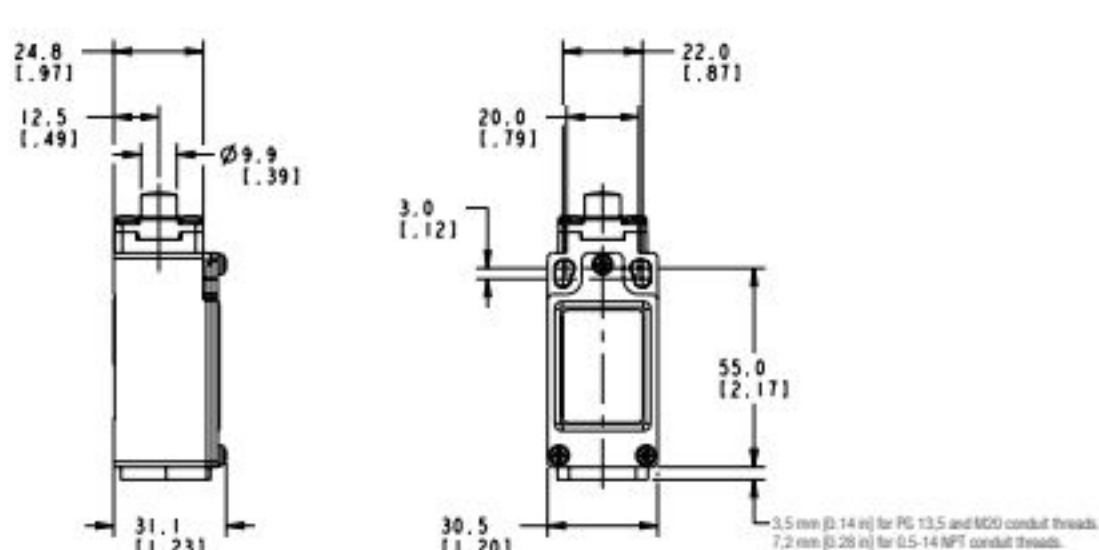
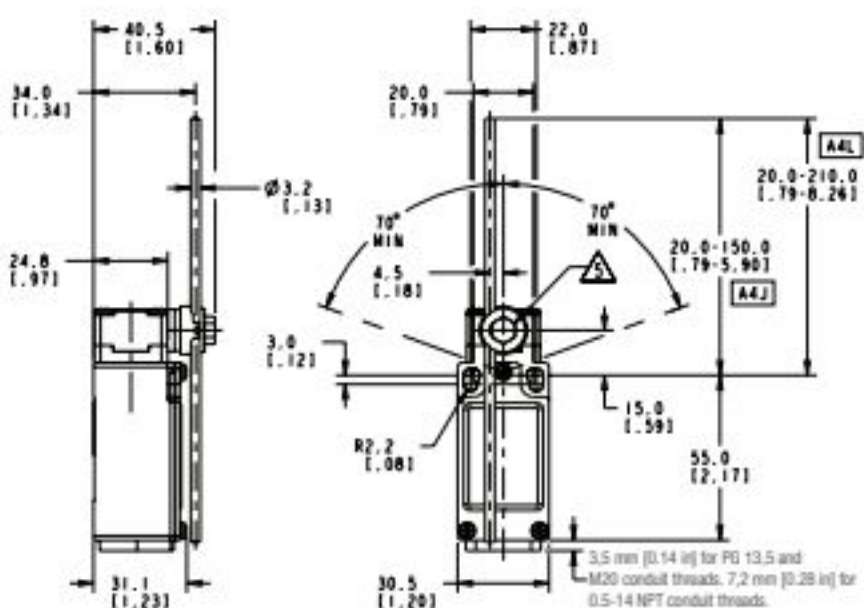


Figure 3. GLC Side Rotary Rod • A4J (140 mm) & A4L (200 mm) Figure 6. GLC Top Pin Plunger



MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

GLC, GLD, GLE SERIES

Figure 7. GLC Top Roller Plunger

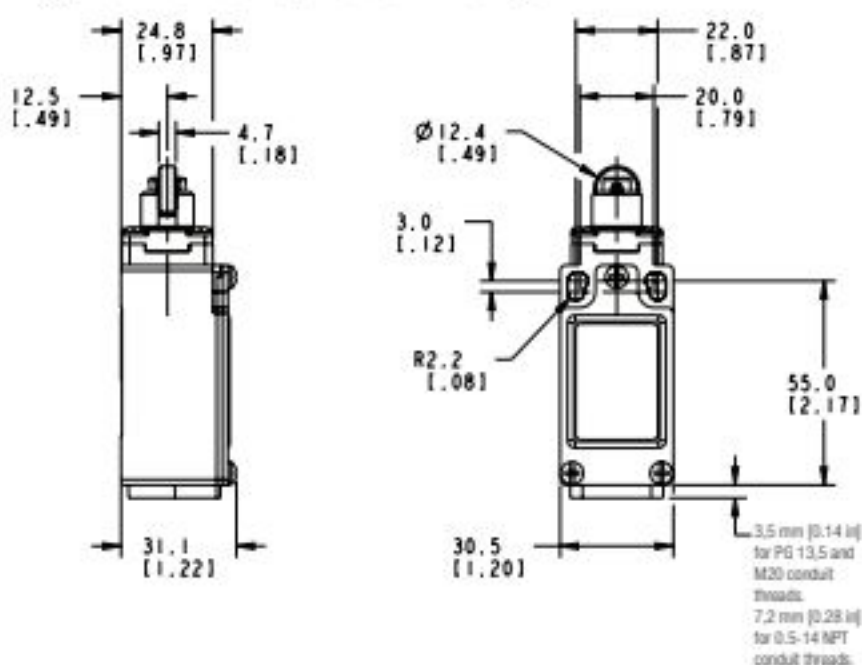


Figure 9. GLC Wobble • E7B

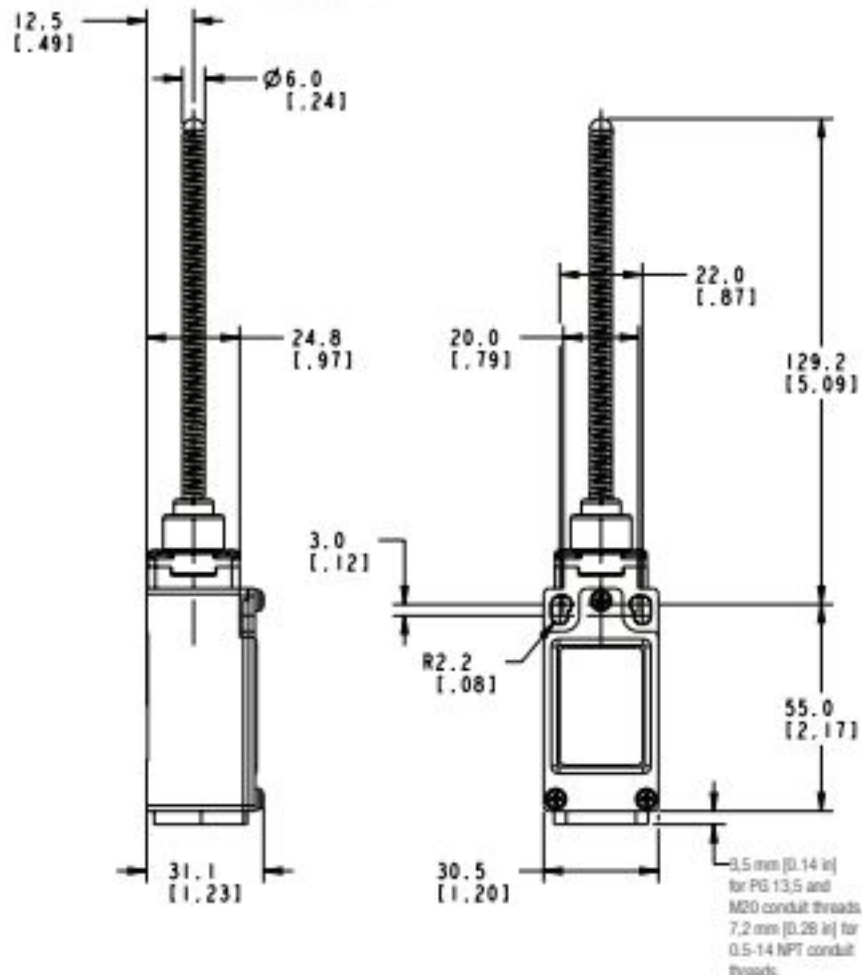


Figure 8. GLC Top Roller Arm

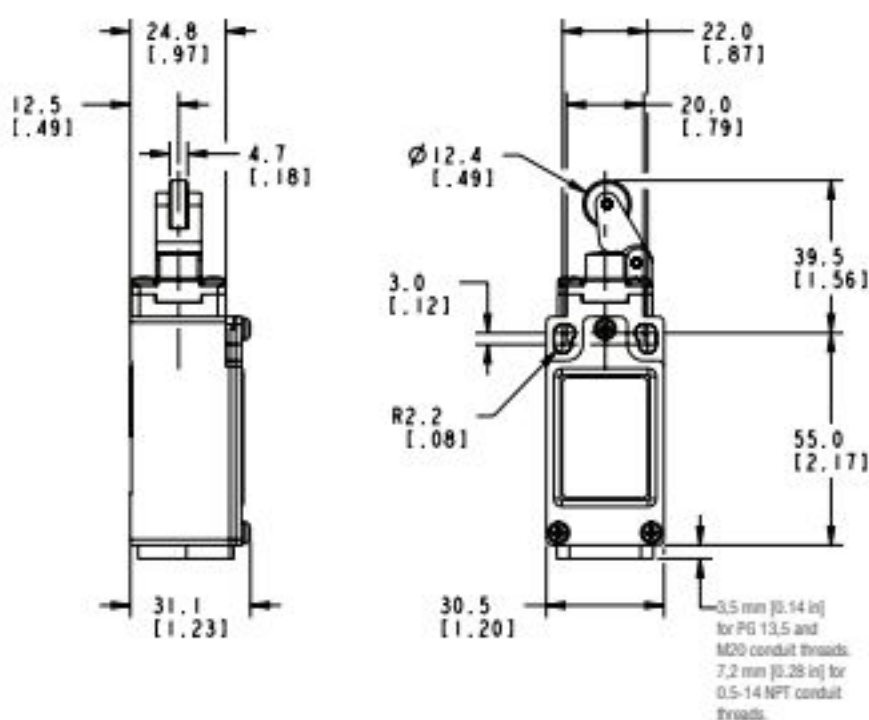


Figure 10. GLC Wobble • K8A/K8B

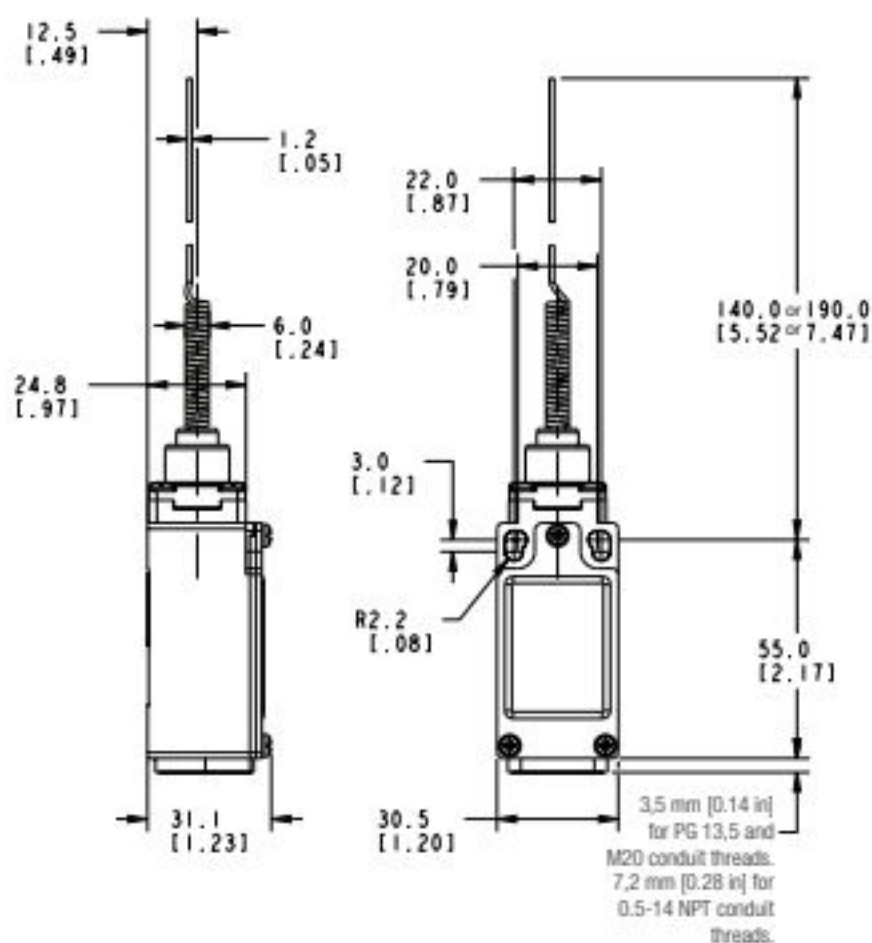
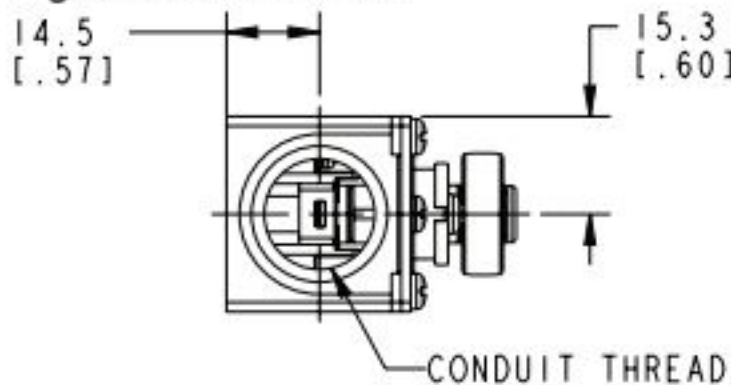


Figure 11. GLC Conduit

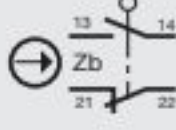
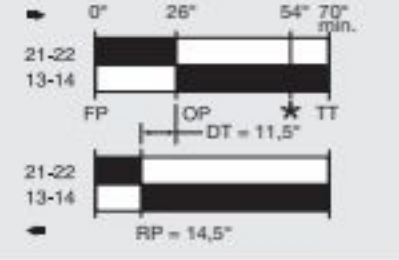
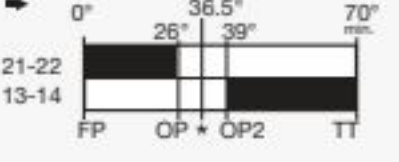
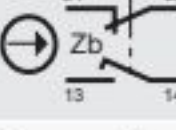
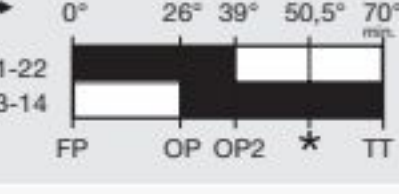
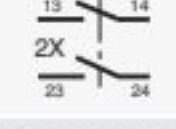
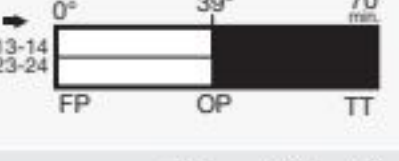
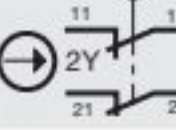


MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

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

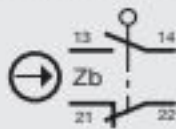
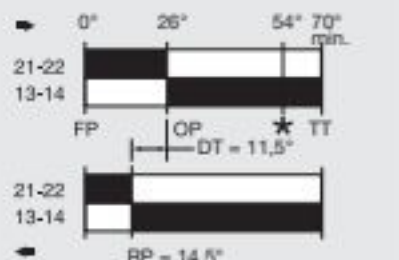
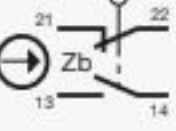
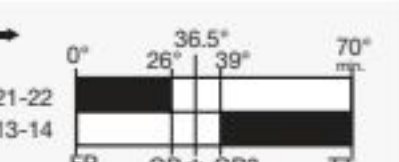
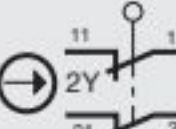
For listings not shown, contact your Honeywell representative.

TABLE 16. SIDE ROTARY, PLASTIC ROLLER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	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	0,11 Nm max. [1.0 in-lb max.]		GLDA03A1A
				PG 13,5			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

¹Contact closed ■; Contact open □. *Positive opening occurs.

TABLE 17. SIDE ROTARY, METAL ROLLER

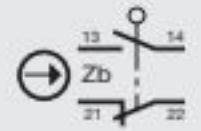
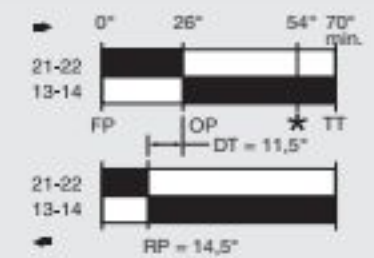
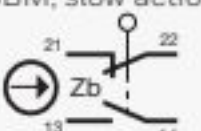
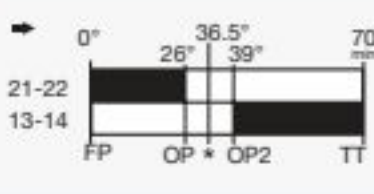
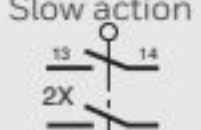
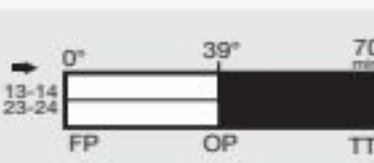
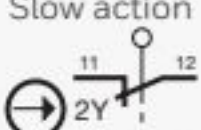
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLDA01A1B
			Silver	PG 13,5			GLDB01A1B
			Gold plated	PG 13,5			GLDB07A1B
			Silver	20 mm			GLDC01A1B
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	0,11 Nm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

¹Contact closed ■; Contact open □. *Positive opening occurs.

MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

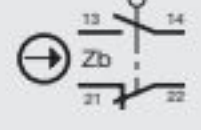
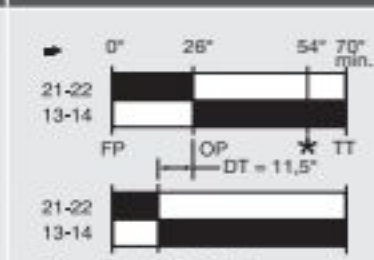
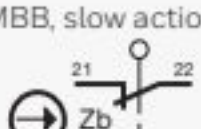
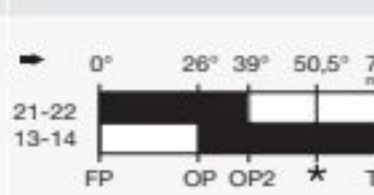
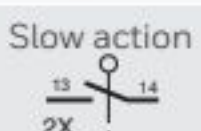
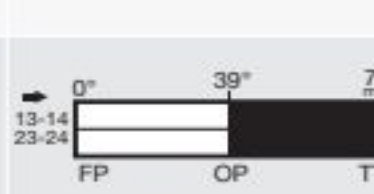
GLC, GLD, GLE SERIES

TABLE 18. SIDE ROTARY ADJUSTABLE, PLASTIC ROLLER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	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
	1NC/1NO	BBM, slow action 	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLDB07A2A
							GLDB03A2A
							GLDB03A2A
							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

¹Contact closed ■; Contact open □. *Positive opening occurs. **No roller

TABLE 19. SIDE ROTARY ADJUSTABLE, METAL ROLLER

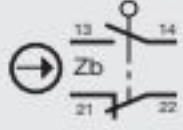
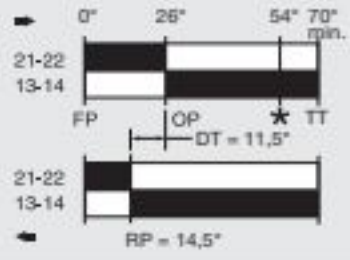
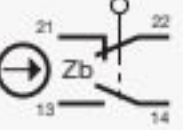
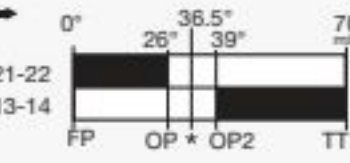
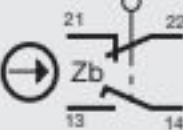
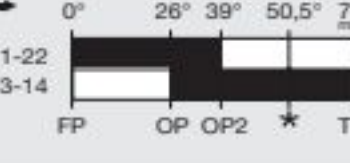
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLDA01A2B
			Gold plated	0.5-14 NPT			GLDA07A2B
			Silver	PG 13,5			GLDB01A2B
			Gold plated	PG 13,5			GLDB07A2B
			Silver	20 mm			GLDC01A2B
	1NC/1NO	MBB,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

¹Contact closed ■; Contact open □. *Positive opening occurs.

MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

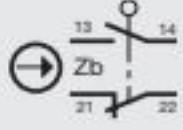
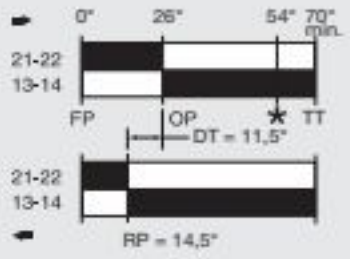
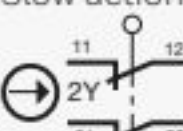
GLC, GLD, GLE SERIES

TABLE 20. SIDE ROTARY ADJUSTABLE, METAL ROD

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		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.]		GLDC03A4J
	1NC/1NO	MBB, slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLDA04A4J

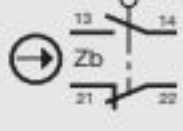
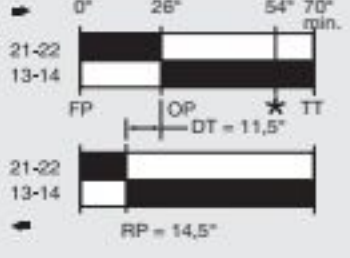
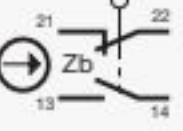
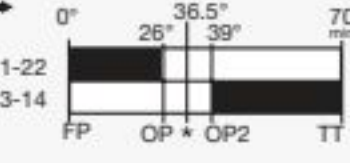
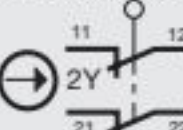
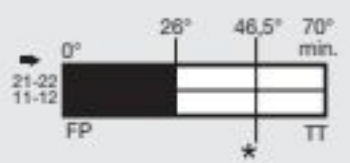
¹Contact closed ■; Contact open □. *Positive opening occurs.

TABLE 21. SIDE ROTARY OFFSET LEVER, METAL ROLLER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14NPT	0,12 Nm max. [1.1 in-lb max.]		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.]		GLDB36A5B

¹Contact closed ■; Contact open □. *Positive opening occurs.

TABLE 22. SIDE ROTARY CONVEYOR LEVER, CERAMIC ROLLER

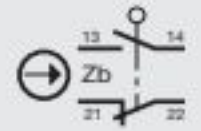
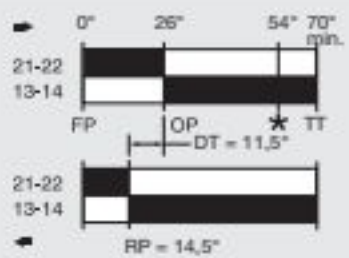
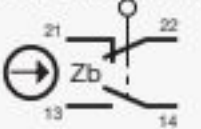
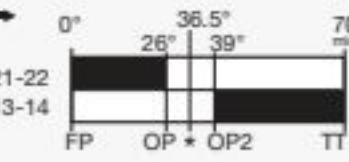
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLDA01A9A
			Gold plated	0.5-14 NPT			GLDA07A9A
			Silver	20 mm			GLDC01A9A
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLDA03A9A
	2NC	Slow action 	Silver	0.5-14 NPT	0,11 Nm max. [1.0 in-lb max.]		GLDA06A9A

¹Contact closed ■; Contact open □. *Positive opening occurs.

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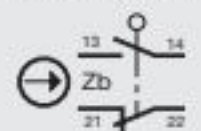
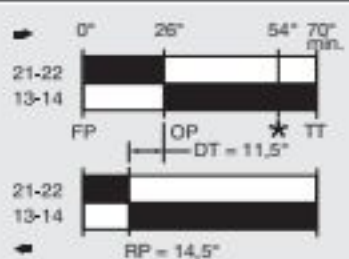
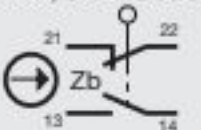
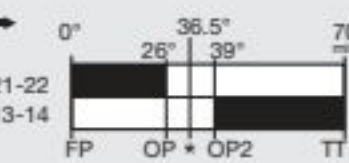
GLC, GLD, GLE SERIES

TABLE 23. SIDE ROTARY, 50 MM RUBBER ROLLER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	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

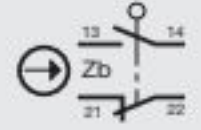
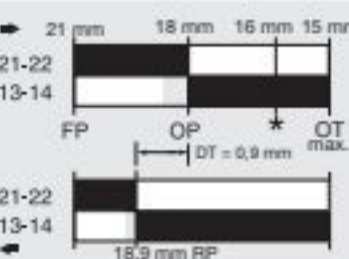
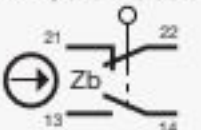
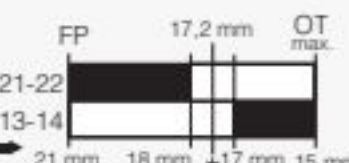
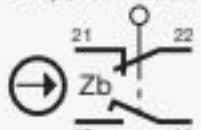
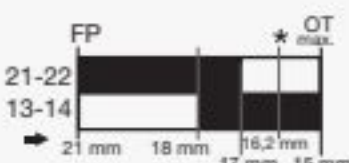
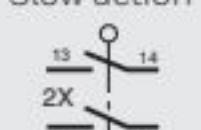
¹Contact closed ■; Contact open □. *Positive opening occurs.

TABLE 24. SIDE ROTARY ADJUSTABLE, 50 MM RUBBER ROLLER

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

¹Contact closed ■; Contact open □. *Positive opening occurs.

TABLE 25. TOP PIN PLUNGER

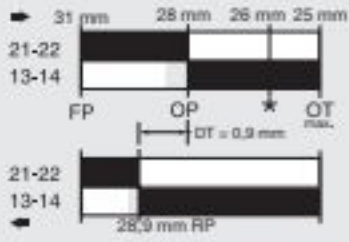
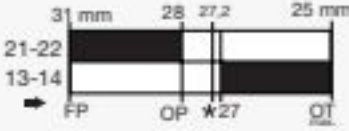
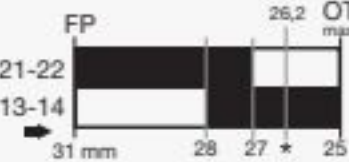
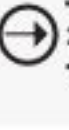
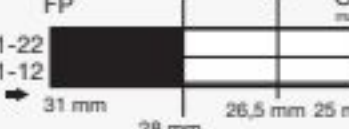
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		GLDA01B
			Silver	PG 13,5			GLDB01B
			Gold plated	PG 13,5			GLDB07B
			Silver	20 mm			GLDC01B
			Gold plated	20 mm			GLDC07B
	1NC/1NO	BBM, slow action 	Silver	0.5-14NPT	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

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

MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

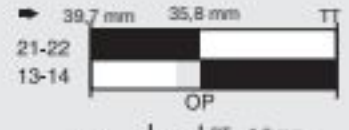
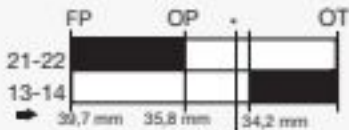
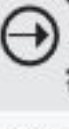
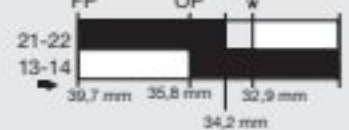
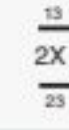
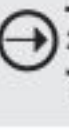
GLC, GLD, GLE SERIES

TABLE 26. TOP ROLLER PLUNGER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart ¹	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

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

TABLE 27. TOP ROLLER LEVER

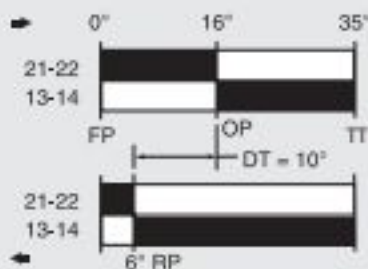
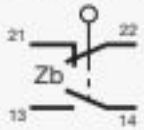
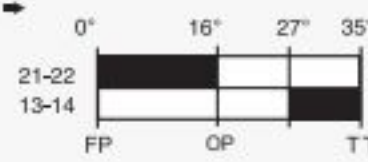
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	10 N max. [2.2 lb max.]		GLDA01D
				PG 13,5			GLDB01D
				20 mm			GLDC01D
	1NC/1NO	BBM, slow action 	Silver	0.5-14 NPT	9 N max. [2.0 lb max.]		GLDA03D
				PG 13,5			GLDB03D
				20 mm			GLDC03D
	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

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

MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

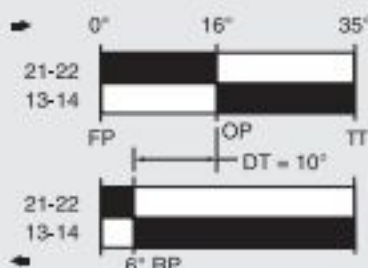
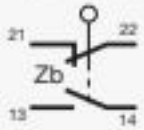
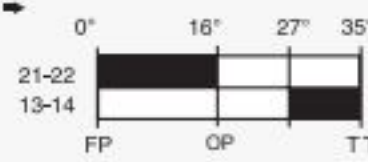
GLC, GLD, GLE SERIES

TABLE 28. COIL SPRING WOBBLE, 130 MM

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

¹Contact closed ■; Contact open □.

TABLE 29. CAT WHISKER WOBBLE, 190 MM

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

¹Contact 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

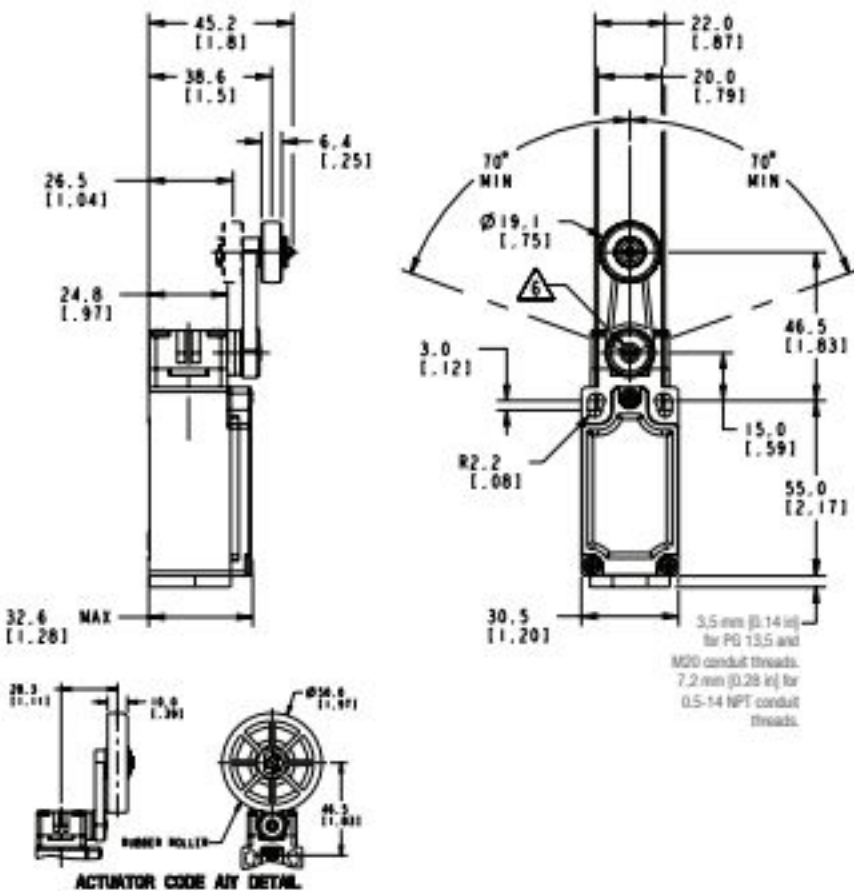


Figure 13. GLD Side Rotary • A2, A2A, A2B, and A2Y

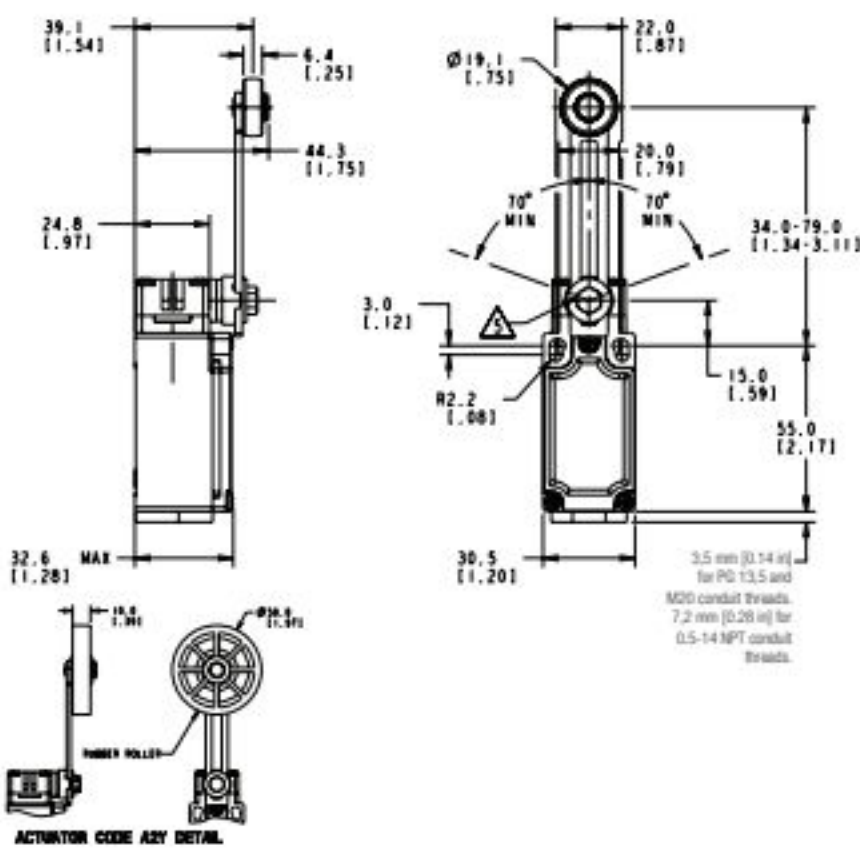


Figure 14. GLD Side Rotary Rod • A4J (140 mm) & A4L (200 mm)

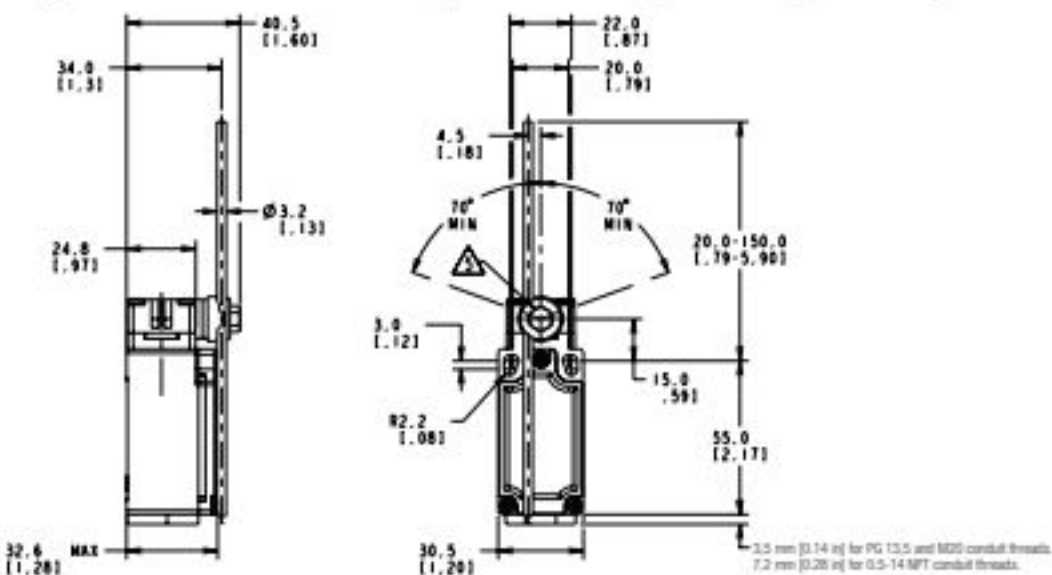


Figure 15. GLD Side Rotary • A5A and A5B

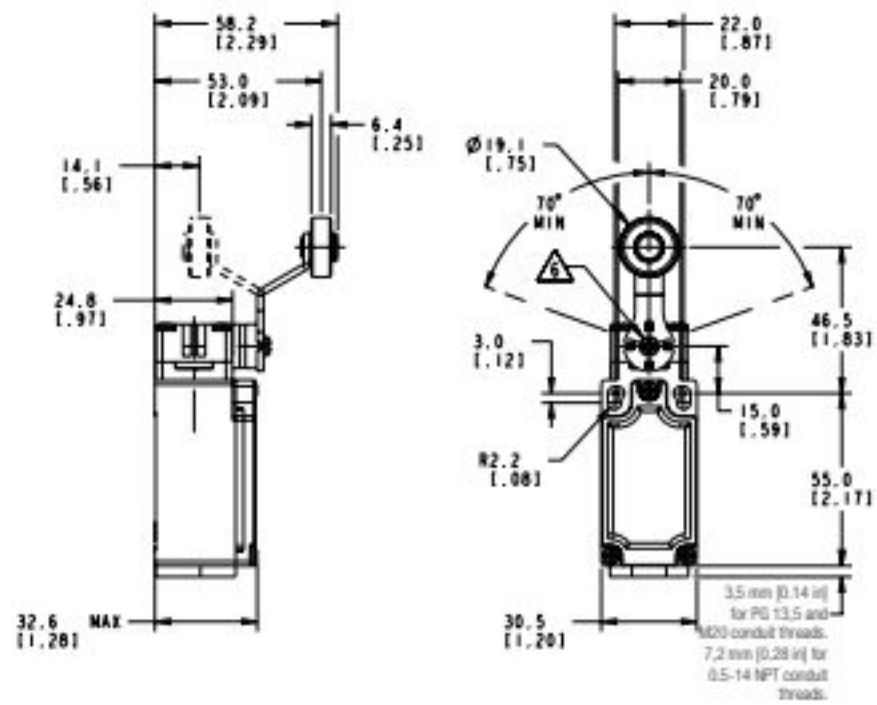


Figure 16. GLD Side Rotary • A9A

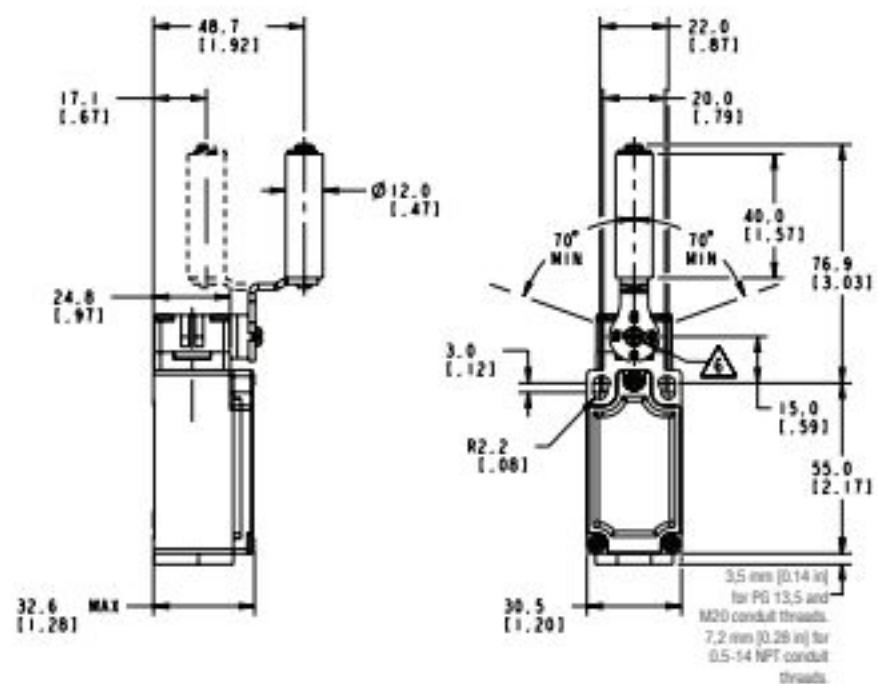
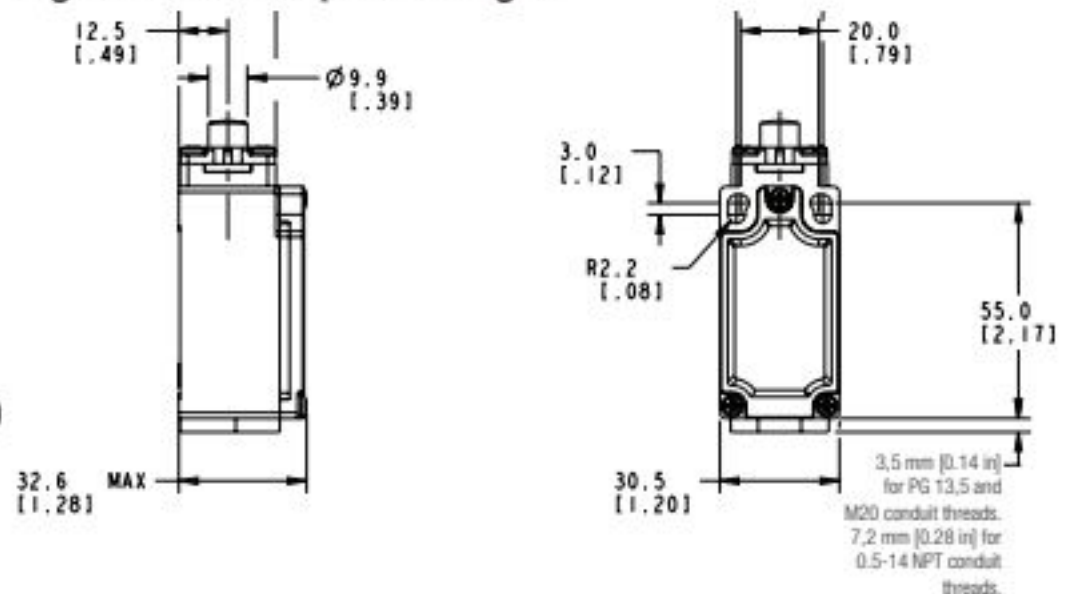


Figure 17. GLD Top Pin Plunger



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

MICRO SWITCH™ GLD DIMENSIONAL DRAWINGS mm [in]

Figure 18. GLD Top Roller Plunger

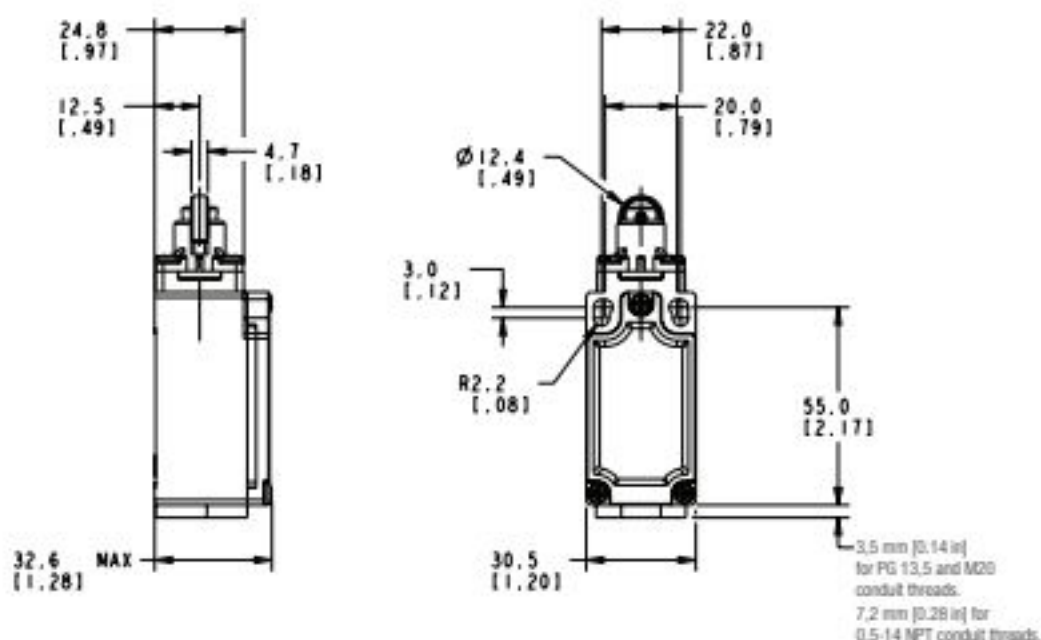


Figure 20. GLD Wobble • E7B

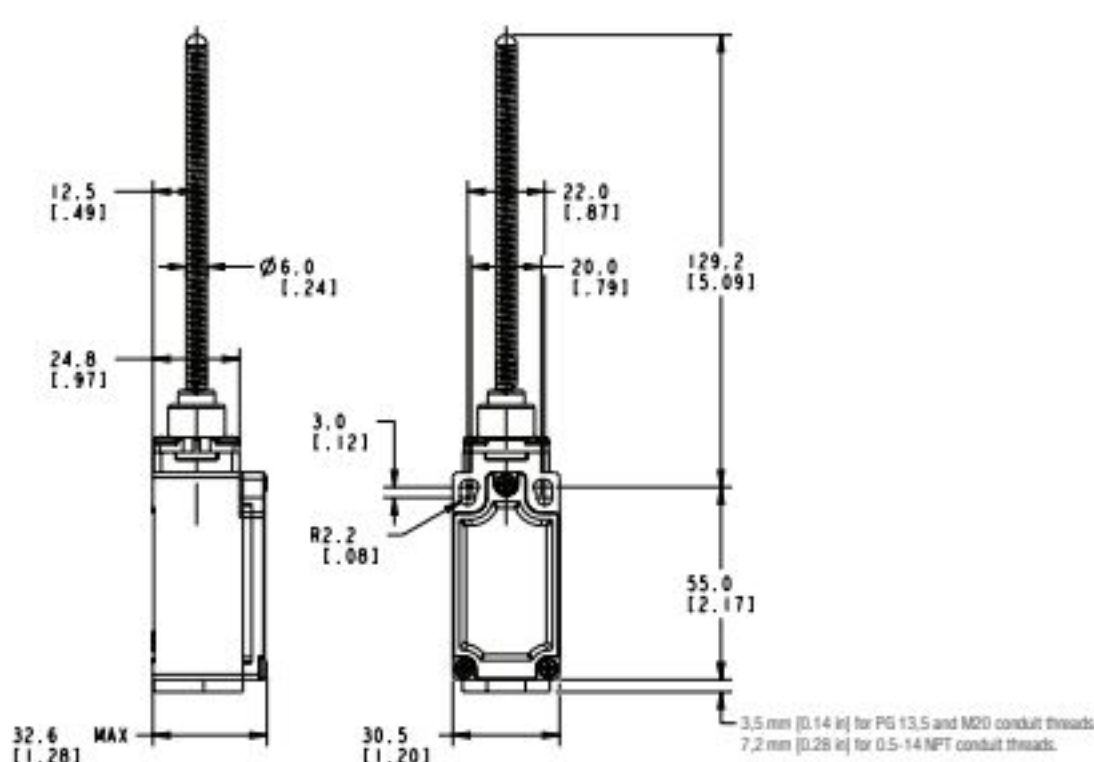


Figure 19. GLD Top Roller Arm

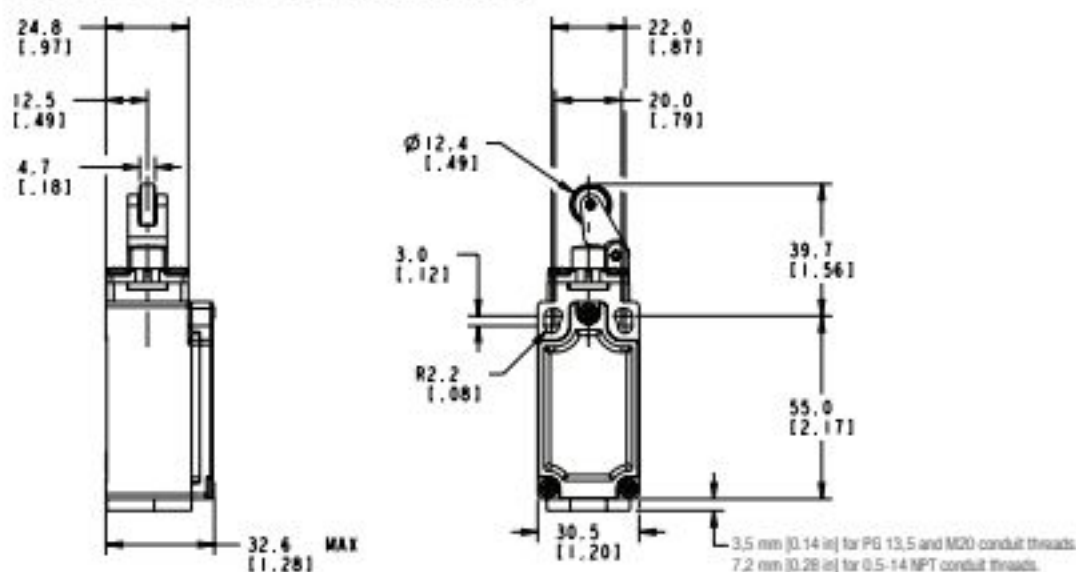


Figure 21. GLD Wobble • K8A/K8B

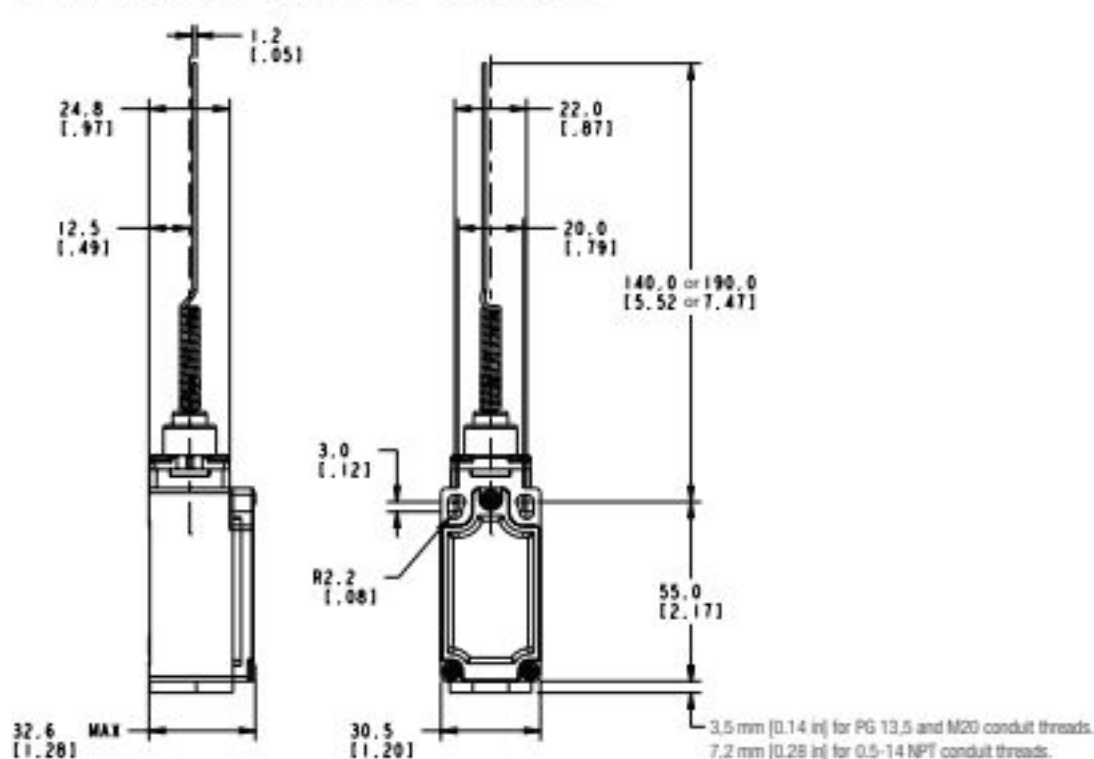
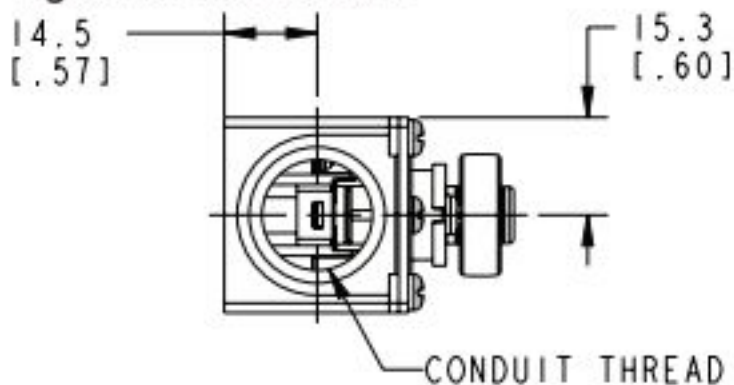


Figure 22. GLD Conduit

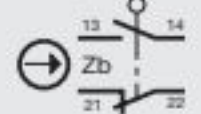
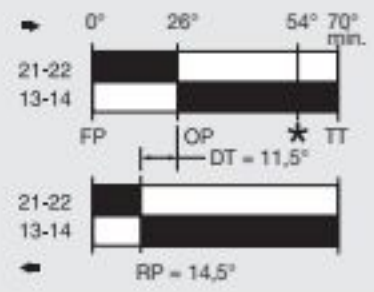
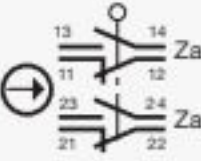
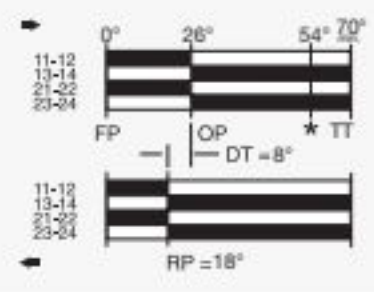
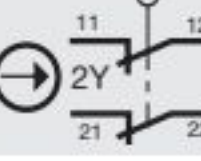


MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES GLC, GLD, GLE SERIES

MICRO SWITCH™ GLE SERIES ORDER GUIDE/RECOMMENDED LISTINGS

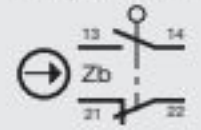
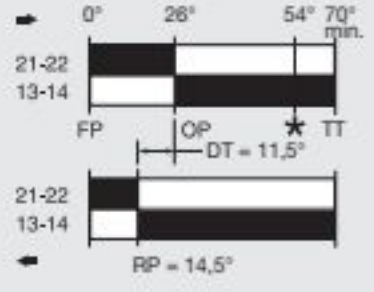
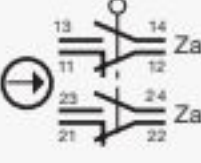
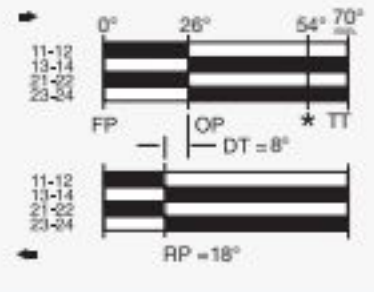
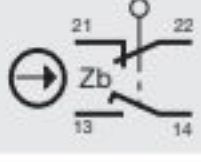
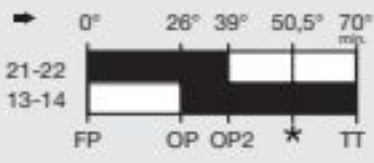
For listings not shown, contact your Honeywell representative.

TABLE 30. SIDE ROTARY, PLASTIC ROLLER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLEA01A1A
				PG 13,5			GLEB01A1A
	2NC/2NO	Snap action 	Gold plated	0.5-14 NPT	0,165 Nm max. [1.6 in-lb max.]		GLEA32A1A
				PG 13,5			GLEB32A1A
	2NC	Slow action 	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLEB06A1A
			Gold plated	0.5-14 NPT			GLEA36A1A

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

TABLE 31. SIDE ROTARY, METAL ROLLER

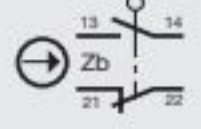
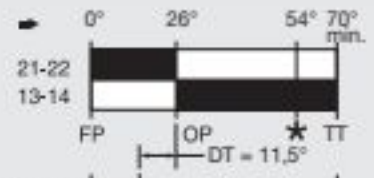
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLEA01A1B
			Silver	PG 13,5			GLEB01A1B
			Gold plated	PG 13,5			GLEB07A1B
			Silver	20 mm			GLEC01A1B
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	0,165 Nm max. [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

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

MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

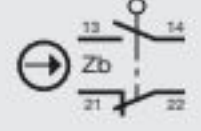
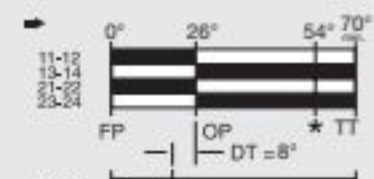
GLC, GLD, GLE SERIES

TABLE 32. SIDE ROTARY ADJUSTABLE, PLASTIC ROLLER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLEA01A2A
				PG 13,5			GLEB01A2A
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	0,165 Nm max. [1.6 in-lb max.]		GLEA24A2A
				20 mm			GLEC24A2A

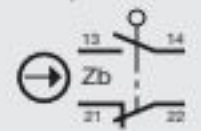
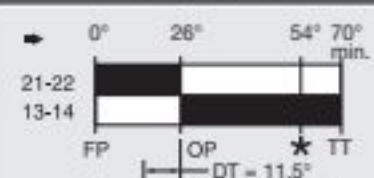
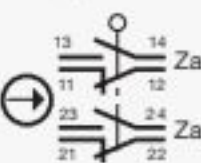
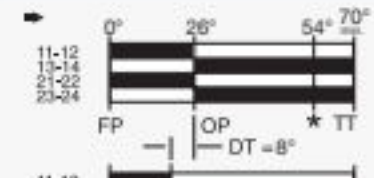
¹Contact closed ■; Contact open □. *Positive opening occurs. † 0.5-14 NPT conduit option includes adapter.

TABLE 33. SIDE ROTARY ADJUSTABLE, METAL ROLLER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLEA01A2B
				PG 13,5			GLEB01A2B
				20 mm			GLEC01A2B
	2NC/2NO	Snap action 	Gold plated	PG 13,5	0,165 Nm max. [1.6 in-lb max.]		GLEB07A2B
				0.5-14 NPT			GLEA24A2B
				PG 13,5			GLEB24A2B

¹Contact 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)

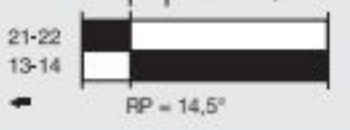
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLEA01A4J
				PG 13,5			GLEB01A4J
				20 mm			GLEC01A4J
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	0,165 Nm max. [1.6 in-lb max.]		GLEA24A4J

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

MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

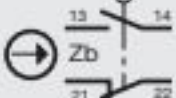
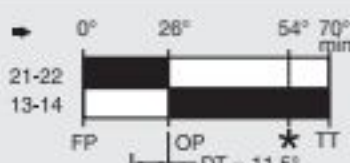
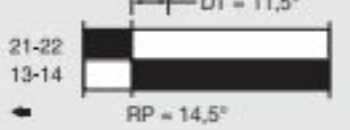
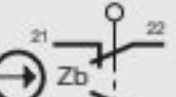
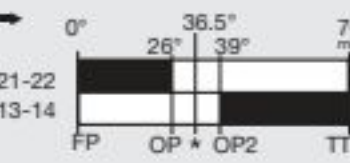
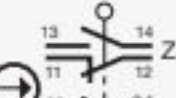
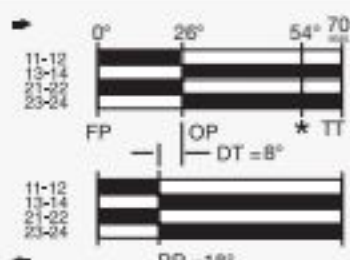
GLC, GLD, GLE SERIES

TABLE 35. SIDE ROTARY OFFSET LEVER, PLASTIC ROLLER

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

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

TABLE 36. SIDE ROTARY OFFSET LEVER, METAL ROLLER

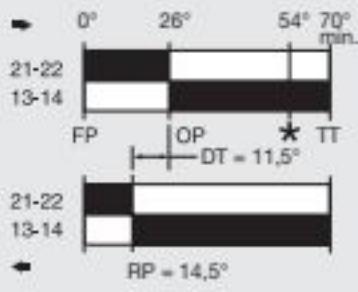
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Torque	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	0,12 Nm max. [1.1 in-lb max.]		GLEA01A5B
				PG 13,5			GLEB01A5B
	1NC/1NO	BBM, slow action 	Silver	PG 13,5	0,11 Nm max. [1.0 in-lb max.]		GLEB03A5B
	2NC/2NO	Snap action 	Silver	0.5-14 NPT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

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

MICRO SWITCH GLOBAL MINIATURE LIMIT SWITCHES

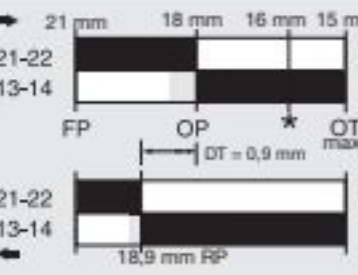
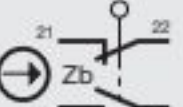
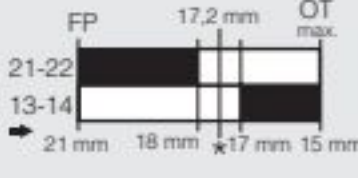
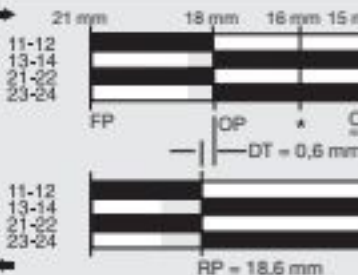
GLC, GLD, GLE SERIES

TABLE 37. SIDE ROTARY CONVEYOR LEVER, CERAMIC ROLLER

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

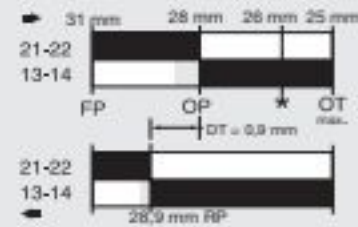
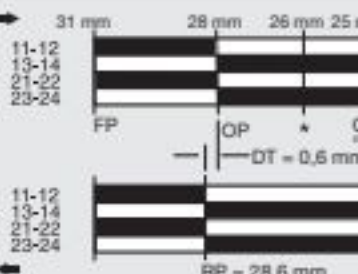
¹Contact closed ■; Contact open □. *Positive opening occurs.

TABLE 38. TOP PIN PLUNGER

	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		GLEA01B
				PG 13,5			GLEB01B
			Gold plated	20 mm			GLEC01B
				PG 13,5			GLEB07B
	1NC/1NO	BBM, slow action 	Silver	PG 13,5	14 N max. [3.2 lb max.]		GLEB03B
				20 mm			GLEC03B
			Gold plated	PG 13,5			GLEB33B
				20 mm			GLEC33B
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	13 N max. [2.9 lb max.]		GLEA24B
				PG 13,5			GLEB24B
			Gold plated	20 mm			GLEC24B
				20 mm			GLEC32B

¹Contact 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

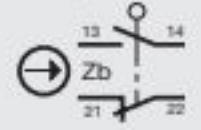
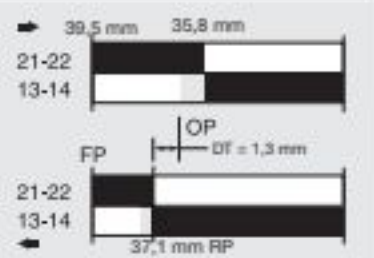
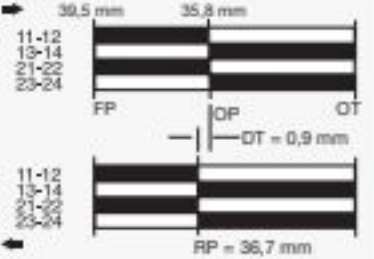
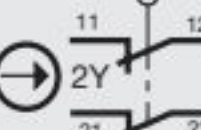
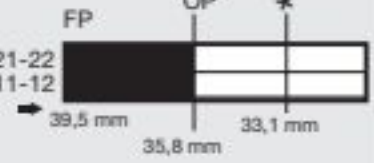
	Contacts	Contact Type	Contact Mtl	Conduit	Oper. Force	Bar Chart ¹	Listing
	1NC/1NO	Snap action 	Silver	0.5-14 NPT	16 N max. [3.6 lb max.]		GLEA01C
				PG 13,5			GLEB01C
			Gold plated	20 mm			GLEC01C
				PG 13,5			GLEB07C
	2NC/2NO	Snap action 	Silver	0.5-14 NPT	13 N max. [2.9 lb max.]		GLEA24C
				PG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

¹Contact 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

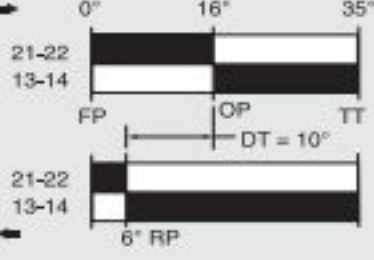
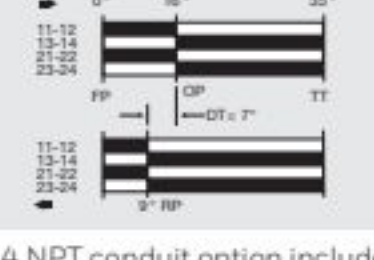
GLC, GLD, GLE SERIES

TABLE 40. TOP ROLLER LEVER

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

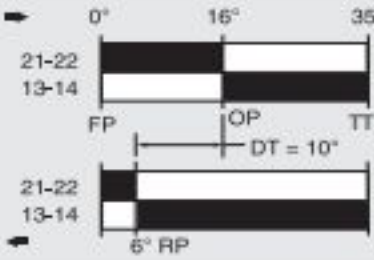
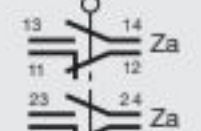
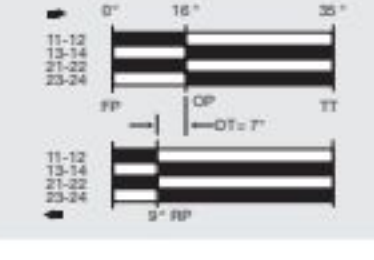
¹Contact closed ■; Contact open □. *Positive opening occurs. NOTE: Bar chart measurements are in millimeters. * 0.5-14 NPT conduit option includes adapter.

TABLE 41. COIL SPRING WOBBLE, 130 MM

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

¹Contact 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 ¹	Listing
	1NC/1NO	Snap action 	Silver	PG 13,5	0,9 N max. [0.19 lb max.]		GLEB01K8A
			Gold plated	PG 13,5			GLEB07K8A
	2NC/2NO	Snap action 	Silver	PG 13,5	1.1 N max. 0.25 lb max.]		GLEB24K8A

¹Contact closed ■; Contact open □.

MICRO SWITCH™ GLE DIMENSIONAL DRAWINGS mm [in]

Technical drawing of the 1000 Series Vertical Mounting Bracket, showing side and front views with dimensions in inches and millimeters.

Side View Dimensions:

- Top width: 45.2 [1.78]
- Distance from top to mounting hole center: 40.0 [1.57]
- Mounting hole diameter: 27.1 [1.07]
- Distance from mounting hole to bracket body: 6.4 [0.25]
- Bracket body width: 24.8 [0.97]
- Distance from bracket body to base: 12.0 [0.47]
- Base width: 31.1 [1.23]
- Base mounting hole diameter: 2x CONDUIT (SUPPLIED UNFITTED)

Front View Dimensions:

- Top width: 42.0 [1.65]
- Distance from top to mounting hole center: 22.0 [0.87]
- Mounting hole diameter: 40.0 [1.57]
- Distance from mounting hole to bracket body: 20.0 [0.79]
- Bracket body width: 46.6 [1.83]
- Distance from bracket body to base: 60.0 [2.36]
- Base width: 52.0 [2.05]
- Base mounting hole diameter: 2.5 [0.10]
- Base mounting hole offset: 4.0 [0.16]
- Base mounting hole diameter: 57.0 [2.24]
- Base mounting hole offset: 65.0 [2.56]

Other Dimensions:

- 70° MIN angle for mounting hole placement
- 3.0 [0.12] distance from mounting hole to bracket body
- R2.2 [0] radius for mounting hole placement
- 13.8 [0.54] distance from bracket body to base

Technical drawing of the 1000 Series Junction Box, showing front and side views with dimensions in inches and millimeters.

Front View Dimensions:

- Top width: 42.0 [1.65]
- Top right width: 40.0 [1.57]
- Top left width: 22.0 [0.87]
- Top right width: 20.0 [0.79]
- Top right width: 20.0 [0.79]
- Top right width: 46.5 [1.83]
- Top right width: 15.0 [0.59]
- Top right width: 60.0 [2.36]
- Top right width: 4.0 [0.16]
- Top right width: 2.5 [0.10]
- Top right width: 57.0 [2.24]
- Top right width: 52.0 [2.05]
- Top right width: 65.0 [2.56]
- Top right width: 13.8 [0.54]
- Top right width: 3.0 [0.12]
- Top right width: R2.2 [0]
- Top right width: $\phi 19.1$ [0.75]
- Top right width: 70° MIN
- Top right width: 70° MIN

Side View Dimensions:

- Top width: 58.2 [2.29]
- Top width: 53.0 [2.09]
- Top width: 14.1 [0.54]
- Top width: 6.4 [0.25]
- Top width: 24.8 [0.97]
- Top width: 12.0 [0.47]
- Top width: 31.1 [1.23]

Labels:

- 2X CONDUIT PLUG (SUPPLIED UNFITTED)

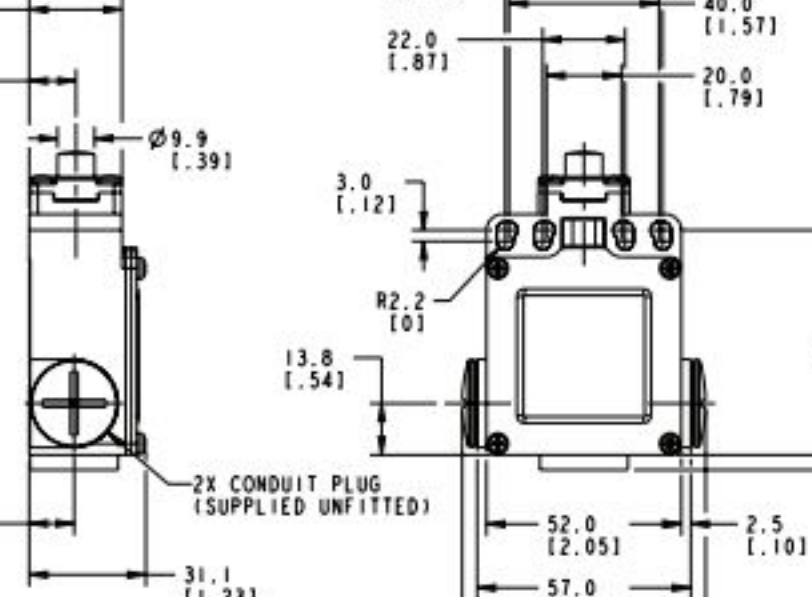
Technical drawing of the 1000 Series Vertical Mounting Bracket, showing front and side views with dimensions in inches and millimeters.

Front View Dimensions:

- Top mounting hole diameter: $\varnothing 19.1$ (1.75)
- Top mounting hole spacing: 40.0 (1.57)
- Top mounting hole offset: 29.0 (1.39)
- Top mounting hole diameter: 22.0 (1.07)
- Top mounting hole offset: 42.0 (1.65)
- Top mounting hole offset: 34.0-79.0 (1.54-3.11)
- Top mounting hole offset: 15.0 (1.59)
- Top mounting hole offset: 60.0 (2.36)
- Top mounting hole offset: 4.0 (1.14)
- Top mounting hole offset: 2.5 (1.10)
- Top mounting hole offset: 57.0 (2.24)
- Top mounting hole offset: 52.0 (2.05)
- Top mounting hole offset: 65.0 (2.56)
- Top mounting hole offset: 13.0 (1.54)
- Top mounting hole offset: 3.0 (1.12)
- Top mounting hole offset: 12.0 (1.47)
- Top mounting hole offset: 24.0 (1.97)
- Top mounting hole offset: 44.3 (1.75)
- Top mounting hole offset: 6.4 (1.25)
- Top mounting hole offset: 39.1 (1.54)
- Top mounting hole offset: 31.1 (1.23)
- Top mounting hole offset: 2x CONDUIT PLUG (SUPPLIED UNFITTED)

Side View Dimensions:

- Top mounting hole diameter: $\varnothing 19.1$ (1.75)
- Top mounting hole spacing: 40.0 (1.57)
- Top mounting hole offset: 29.0 (1.39)
- Top mounting hole diameter: 22.0 (1.07)
- Top mounting hole offset: 42.0 (1.65)
- Top mounting hole offset: 34.0-79.0 (1.54-3.11)
- Top mounting hole offset: 15.0 (1.59)
- Top mounting hole offset: 60.0 (2.36)
- Top mounting hole offset: 4.0 (1.14)
- Top mounting hole offset: 2.5 (1.10)
- Top mounting hole offset: 57.0 (2.24)
- Top mounting hole offset: 52.0 (2.05)
- Top mounting hole offset: 65.0 (2.56)
- Top mounting hole offset: 13.0 (1.54)
- Top mounting hole offset: 3.0 (1.12)
- Top mounting hole offset: 12.0 (1.47)
- Top mounting hole offset: 24.0 (1.97)
- Top mounting hole offset: 44.3 (1.75)
- Top mounting hole offset: 6.4 (1.25)
- Top mounting hole offset: 39.1 (1.54)
- Top mounting hole offset: 31.1 (1.23)
- Top mounting hole offset: 2x CONDUIT PLUG (SUPPLIED UNFITTED)



Technical drawing showing two views of the 1000 Series 1/2" device. The left view is a side elevation, and the right view is a front elevation. Dimensions are provided in inches and millimeters.

Left View Dimensions:

- Top section width: 24.8 [1.97]
- Top section offset: 12.5 [.49]
- Top section diameter: $\varnothing 9.9$ [.39]
- Bottom section width: 12.0 [.47]
- Bottom section offset: 31.1 [1.23]

Right View Dimensions:

- Top section width: 42.0 [1.65]
- Top section offset: 22.0 [1.87]
- Top section diameter: 40.0 [1.57]
- Top section offset: 20.0 [1.79]
- Top section offset: 3.0 [.12]
- Top section offset: R2.2 [.0]
- Top section offset: 13.8 [1.54]
- Top section offset: 60.0 [2.36]
- Top section offset: 4.0 [.16]
- Top section offset: 2.5 [.10]
- Top section offset: 52.0 [2.05]
- Top section offset: 57.0 [2.24]
- Top section offset: 65.0 [2.56]

Notes:

- 2X CONDUIT PLUG (SUPPLIED UNFITTED)

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

MICRO SWITCH™ GLE DIMENSIONAL DRAWINGS mm [in]

Figure 29. GLE Top Roller Plunger

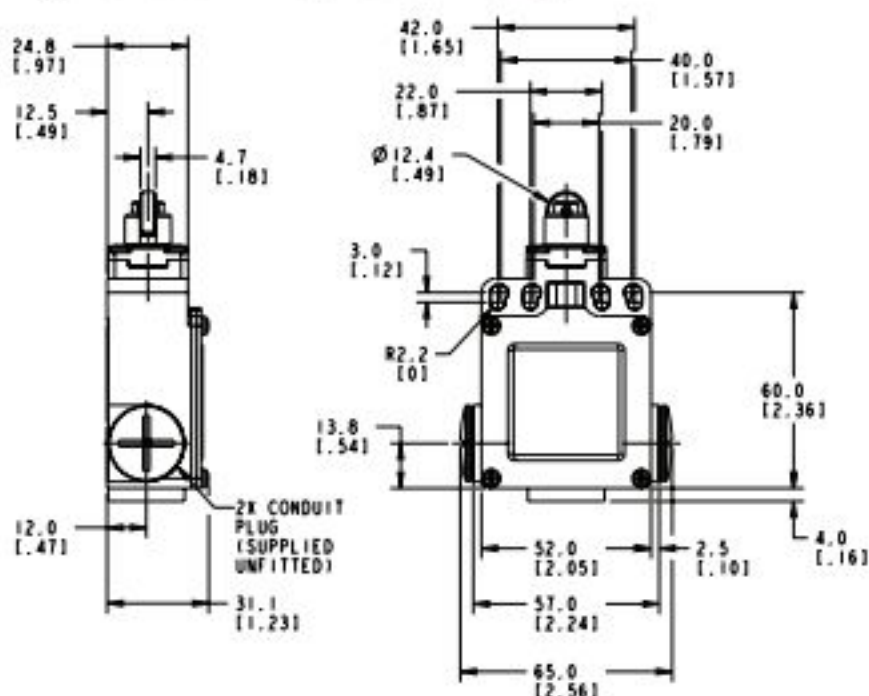


Figure 30. GLE Top Roller Arm

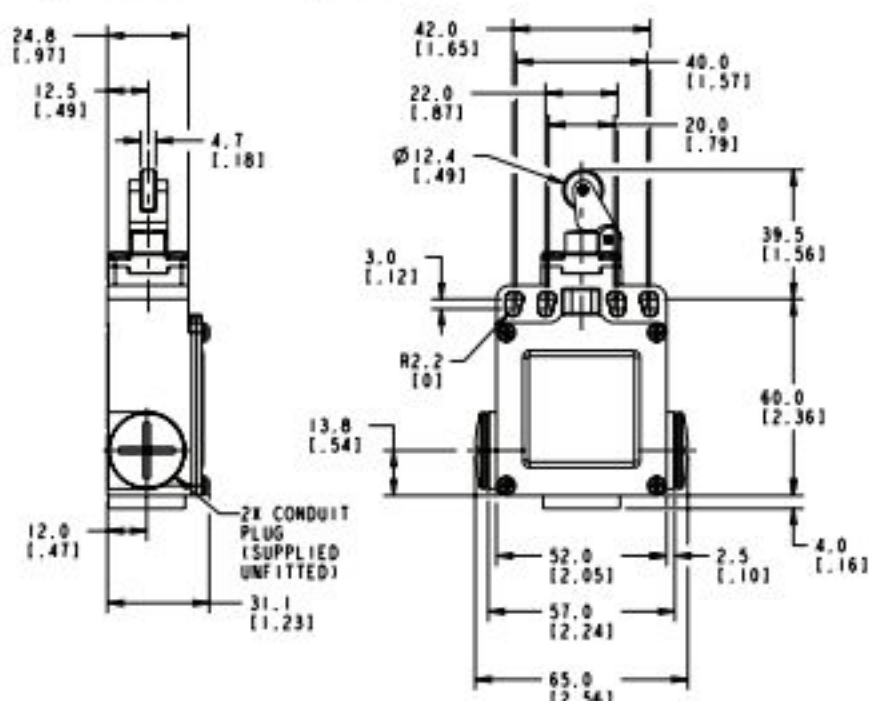


Figure 31. GLE Wobble • E7B

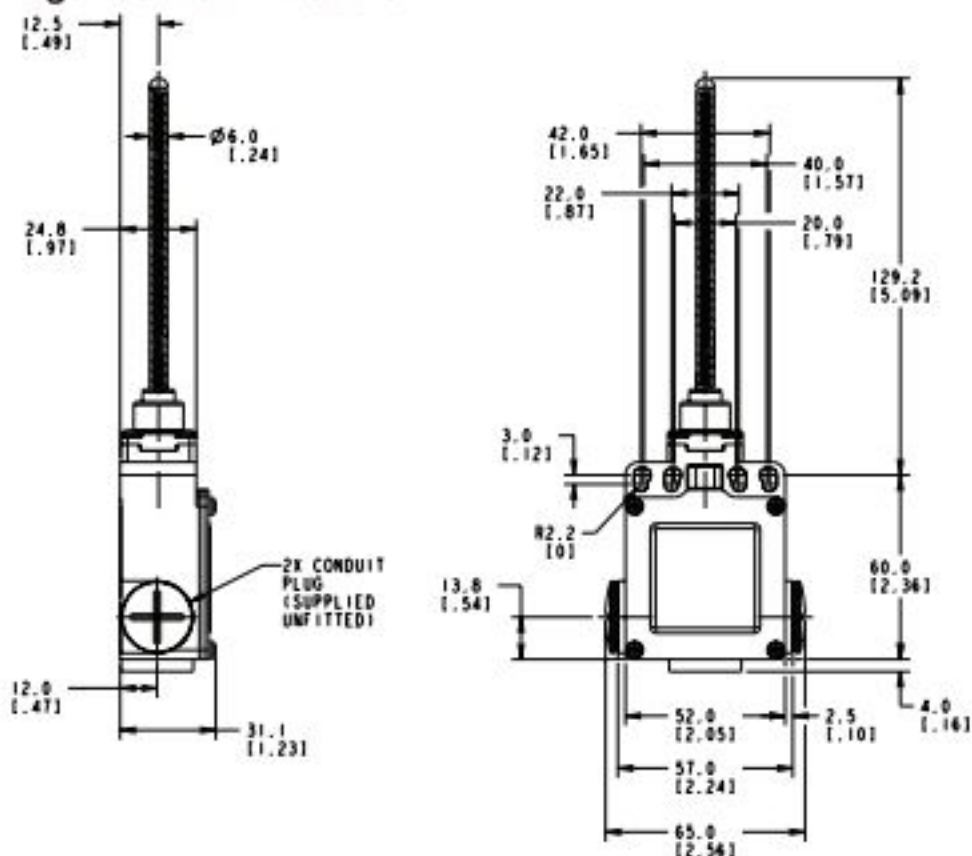


Figure 32. GLE Wobble • K8A

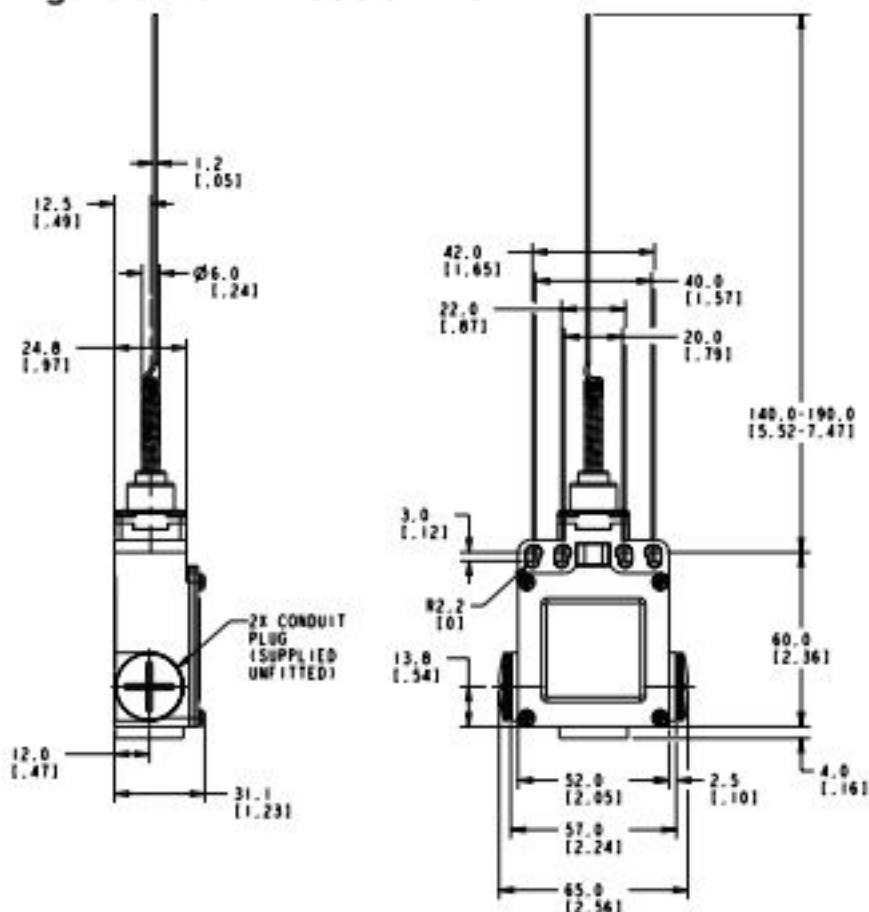
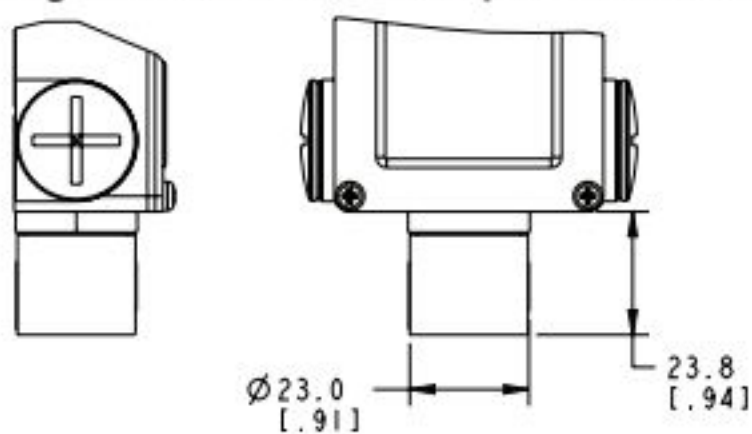


Figure 33. GLE Conduit Adapter for 0.5-14 NPT



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

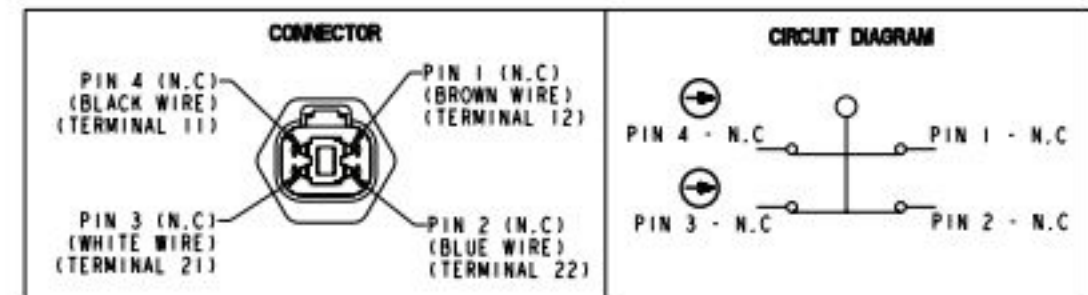
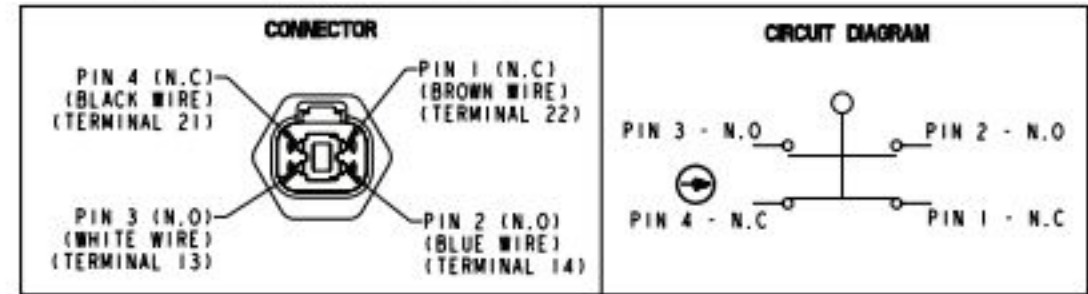
GLDC01A1A-D1: Side rotary with plastic roller, 1NC/1NO snap action, with Deutsch DT style 4-pin connector

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:

- 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 or call:

USA/Canada	+302 613 4491
Latin America	+1 305 805 8188
Europe	+44 1344 238258
Japan	+81 (0) 3-6730-7152
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Greater China	+86 4006396841

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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.**

While Honeywell may provide application assistance personally, through our literature and the Honeywell web site, it is buyer's sole responsibility to determine the suitability of the product in the application.

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.