

MICRO SWITCH™ Electromechanical Safety Switches

GSS Series


004791

Issue 1

Datasheet



DESCRIPTION

Honeywell's MICRO SWITCH™ GSS Series electromechanical safety switches are comprised of different groups of safety switches designed to either EN50041 or EN50047 standards. GSS Series safety switches are agency certified for global applications, and feature positive opening normally closed contacts . The switch's red body color easily identifies the switch for safety applications. Although these switches are designed for safety applications, they can also be applied in non-safety applications.

The GSA Series metal limit switches are designed to the EN50041 standard with the 30 mm x 60 mm mounting pattern. Available with up to four contacts and a variety of actuator heads, the GSA Series limit switches are suitable for a wide variety of applications.

The GSC Series and GSE Series metal safety switches are designed with an integral hinge lever. The body of the switch is designed to the EN50047 standard with 20 mm to 22 mm mounting. For applications requiring a similar safety switch to the EN50047 standard with a high-strength thermoplastic housing and the integral hinge lever, the GSD Series safety switch can fill the need for this requirement. Where there is limited space on equipment or machinery, the GSC and GSD Series switches with the smaller housing are the preferred solution. As an alternative, the GSC, GSD, and GSE Series can be supplied with the traditional style of side rotary lever or top plunger actuation.

VALUE TO CUSTOMERS

- Operating heads can be rotated in 90° increments for installation flexibility
- All NC contacts (normally closed contacts) are positive opening when actuated
- Removable contact block for ease of wiring

Sensing and Productivity Solutions

FEATURES

- Epoxy coated metal zinc housing (GSA Series, GSC Series, or GSE Series)
- Glass-reinforced thermoplastic housing (GSD Series)
- Red body color for easy safety recognition
- Mounting to EN50041 (GSA Series), or EN50047 (GSC Series, GSD Series, and GSE Series)
- Choice of head/actuator types: pin plunger, roller plunger, side rotary standard lever, side rotary offset lever, top roller lever, or hinge lever
- Wide selection of NC (normally closed) and NO (normally open) contact options
- Different threaded conduit options for global applications
- Environmentally sealed for indoor or outdoor applications
- CE, CSA, and UL agency certifications
- Designed and agency evaluated for safety functions up to and including a SIL3 level (GSA and GSD Hinge Lever)

POTENTIAL APPLICATIONS

- Gates, guards, or doors for:
 - Agricultural and construction equipment
 - Die cast machinery
 - Elevators and moving stairs
 - Machine tools
 - Material handling
 - Packaging machinery
 - Plastic molding machinery
 - Scissor/platform lifts
 - Special purpose machinery

DIFFERENTIATION

- Up to four electrically independent contacts for control and monitoring as required
- Gold contacts available for low energy applications
- Side rotary actuator incorporates dual bearing design for increased life
- Specialty contact option, sequential action (GSA Series)
- Catalog listings designed and evaluated up to and including a safety integrity level 3 (SIL3) per IEC 61508-2:2010 (GSA Series and GSD Hinge Lever Series)

PORTFOLIO

Honeywell offers other non-interlocking safety switches, non-contact safety switches ([FF Series](#)) and cable/rope-pull safety switches ([1CPS & 2CPS Series](#)). Honeywell safety interlocking switches include the metal EN50041 [GK Series](#), metal solenoid [GKL/R Series](#), miniature plastic [GKM Series](#), EN50047 plastic body [GKE Series](#), and plastic body [GKN Series](#).

MICRO SWITCH™ Electromechanical Safety Switches, GSS Series

Table 1. Specifications

| Characteristic | Parameter |
|---|---|
| Description | GSA Safety Switch Series: EN50041 mounting (30 mm x 60 mm) GSC/GSD/GSE Safety Switch Series: EN50047 mounting (20 mm to 22 mm) |
| Certifications | CE; DOC # 231, EN/IEC 60947-5-1 CSA; File 57323, CSA C22.2 No. 14 UL; File E37138, UL508 |
| Housing material | GSA/GSC/GSE Series; electrostatic epoxy coated die-cast zinc GSD Series; high strength glass-filled thermoplastic |
| Actuator heads | GSA Series: Side rotary, top pin plunger, top roller plunger, top roller lever GSC/GSD/GSE Series: hinge lever positioned at left, top, or right position |
| Conduit/electrical connection ¹ | 0.5-14 NPT; 20 mm; PG 13,5; G1/2 (PF1/2) |
| Contact/switch options ² | GLA & GLE Series; 1NC/1NO, 2NC, 2NC/2NO, 3NC/1NO, 4NC GLC & GLD Series; 1NC/1NO, 2NC |
| Contact type | Snap action, snap action sequential (2 step), slow action break-before-make (BBM), slow action make-before-break (MBB), slow action |
| Contact design | Double break, electrically separated |
| Contact material | Silver alloy (standard), gold-plated (low energy applications) |
| Utilization category | AC-15, A300/A600 ³ ; DC-13, Q300 |
| Rated operational voltage (U _e) | 240 Vac, 600 Vac, 250 Vdc |
| Rated operational current (I _e) | 3 A, 1.2 A, 0.27 A |
| Thermal current (I _{th}) | 10 A |
| Rated insulation voltage (U _i) | 300 V, 600 V |
| Rated impulse withstand voltage (U _{imp}) | 2500 V |
| Short circuit protective device (SCPD) | Class J fuse (10 A/600 V) |
| Pollution degree | 3 |
| Environmental sealing | GSA Series (metal body): IP67, NEMA 1, 4, 12, and 13 GSC & GSE Series (metal body): IP66, NEMA 1, 4, 12, and 13 GSD Series (plastic body): IP66/67, NEMA 1, 4X (indoor), 12, and 13 |
| Operating temperature | GSA Series with side rotary actuator head: -40 °C to 85 °C [-40 °F to 185 °F] GSA Series without side rotary actuator head: -25 °C to 85 °C [-13 °F to 185 °F] GSC/GSD/GSE Series: -25 °C to 85 °C [-13 °F to 185 °F] |
| Shock | 50 G per IEC 60068-2-27 |
| Vibration | 10 G per IEC 60068-2-6 |
| MCTF (Mechanical life) | GSA Series: >1,000,000 cycles with single-sided confidence limit of 100% GSD Series (hinge lever actuator): >1,000,000 cycles |
| MCTF (Electrical life) | GSA Series: >25,000 cycles with single-sided confidence limit of 100% GSD Series (hinge lever actuator): >25,000 cycles with single-sided confidence limit of 100% |
| SIL capability | GSA & GSD Series (hinge lever actuator); IEC 61508-2:2010; SIL2 capable with HFT=0*; SIL3 capable with HFT=1* |
| Proof test interval | 1 year |

¹GSE Series has three (3) threaded conduits.

²All normally closed (NC) contacts are positive opening .

³A600 for GSA Series only. GSA Series with 2NC contacts (06 or 36 switch code) limited to A300.

* Hardware Fault Tolerance (HFT)

MICRO SWITCH™ Electromechanical Safety Switches, GSS Series

Table 2. Electrical Rating

| ac | | | | dc | | | | gold-plated contacts |
|-------------|------|-----------|-------|-------|------|-----------|-------|----------------------|
| A300/A600** | AC15 | VA Rating | | Ue | Ie | VA Rating | | 1 V 10 μ A min. |
| Ue | Ie | Make | Break | Volts | Amps | Make | Break | 50 V 100 mA max. |
| Volts | Amps | | | | | | | |
| 120 | 6 | 7200 | 720 | 24 | 2.8 | 69 | 69 | |
| 240 | 3 | 7200 | 720 | 125 | 0.55 | 69 | 69 | |
| 380* | 1.9 | 7200 | 720 | 250 | 0.27 | 69 | 69 | |
| 480* | 1.5 | 7200 | 720 | | | | | |
| 500* | 1.4 | 7200 | 720 | | | | | |
| 600* | 1.2 | 7200 | 720 | | | | | |

*GSA Series only. GSA Series with 2NC contacts (06 or 36 switch code) limited to A300.

Figure 1. GSA Safety Switch Application

Two GSA limit switches used to monitor gate position.

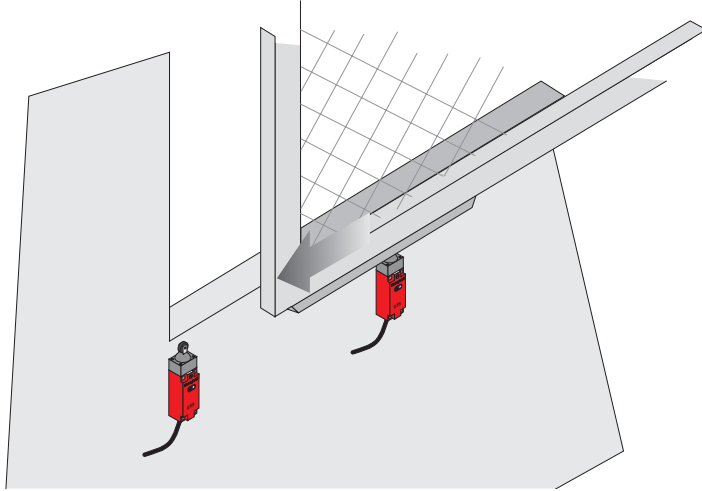
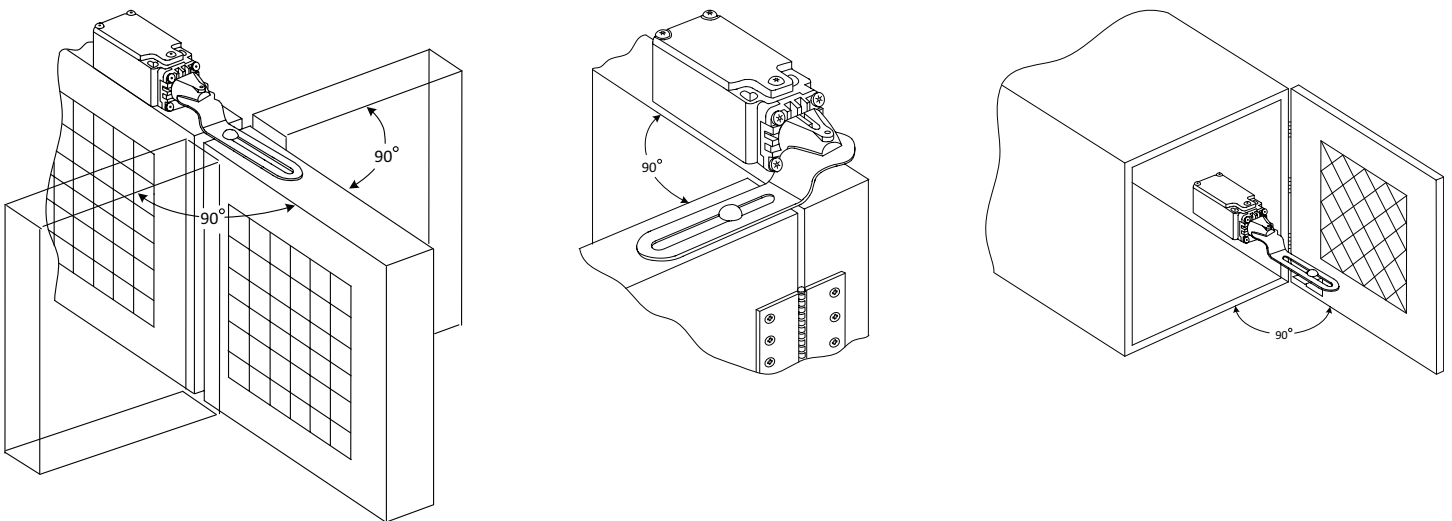


Figure 2. GSS Hinge Safety Switch Application

Hinge-lever safety switches used to monitor gate position.



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Figure 3. Product Nomenclature: GSA Series Safety Switch

| Switch Type | Conduit | Switch Code | | Head/Actuator | Roller Material | Modification Codes |
|---------------------------------------|--|---|---|---|--|----------------------------------|
| GSA Series Safety Limit Switch | A 1/2-14 NPT | 01 SPDT snap action | 34 SPDT, MBB slow action gold contacts | A1 Side rotary, fixed length lever | None (blank) | Standard orientation & switching |
| | B PG 13.5 | 03 SPDT, BBM slow action | 36 2NC slow action, gold contacts | A5 Side rotary, offset lever | A Plastic roller | 1 CW rotation only |
| | C M20 x 1.5 | 04 SPDT, MBB slow action | 40 4NC, slow action | B Top pin plunger | B Metal roller | 2 CCW rotation only |
| | D G 1/2 (PF 1/2) | 06 2NC slow action | 41 4NC, slow action, gold contacts | C Top roller plunger | | 3 Lever to right |
| | | 07 SPDT, snap action, gold contacts | 42 2NC/1NO, BBM slow action | D Top roller lever | | 4 Lever to left |
| | 20 DPDT, snap action | 43 2NC/1NO, BBM slow action, gold contacts | R Top roller ball | | 5 Lever to mounting surface | |
| | 21 DPDT, snap action, sequential | 44 2NC/2NO, BBM slow action | | | 6 Head with roller perpendicular to mtg surface | |
| | 22 DPDT, snap action, gold contacts | 45 2NC/2NO, BBM slow action, gold contacts | | | | |
| | 28 DPDT, snap action, sequen. gold contacts | 46 3NC/1NO, BBM slow action | | | | |
| | 33 SPDT, BBM slow action gold contacts | 47 3NC/1NO, BBM slow action, gold contacts | | | | |

Figure 4. Product Nomenclature: GSS Series Hinge Safety Switch

| Switch Type | Body Code | Conduit Thread | Switch Code | | Actuator Code |
|---|--|-----------------------|---|---|-------------------------|
| GSS Series Hinge Lever Safety Limit Switch | C Zinc die-cast body & head | A 1/2 NPT x 14 | GSC, GSD, and GSE | | 1 Lever to left |
| | | | 01 SPDT, snap action | 40 4NC, BBM slow action | |
| | | | 07 SPDT, snap action gold contacts | 41 4NC, BBM, slow action, gold contacts | |
| | D Red thermoplastic body & zinc die-cast head | B PG 13.5 | GSE only | | 2 Lever to top |
| | | | 03 SPDT, BBM slow action | 42 2NC/1NO, BBM slow action | |
| | E Zinc die-cast body & head, 3 conduit | C M20 x 1.5 | 33 Slow action, BBM, gold contacts | 43 2NC/1NO, BBM slow action, gold contacts | 3 Lever to right |
| | | | 06 2NC slow action | 44 2NC/2NO, BBM slow action | 4 No lever |
| | | | 36 2NC slow action, gold contacts | 45 2NC/2NO, BBM slow action, gold contacts | |
| | | | | 46 3NC/1NO, BBM slow action | |
| | | | | 47 3NC/1NO, BBM slow action, gold contacts | |


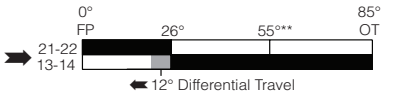
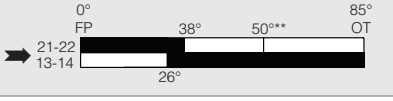
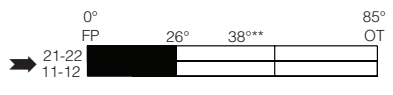
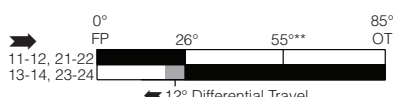
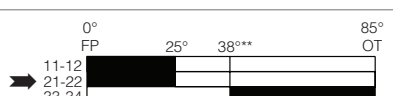
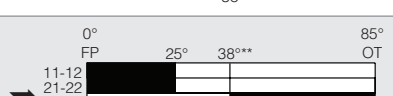
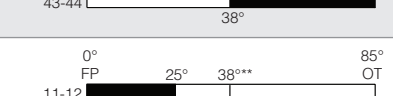
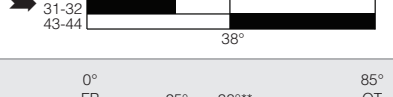
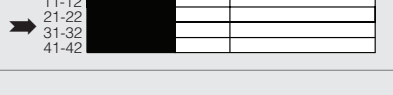

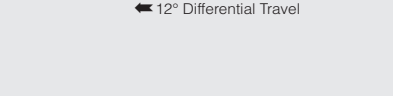

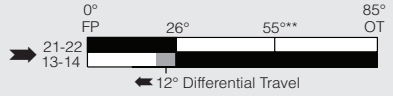
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Figure 5. GSS Series Product Circuitry/Switch Code

| Available for GSA Switches Only | | Available for GSC, GSD, and GSE Switches | | Available for GSE Switches Only | |
|------------------------------------|---|--|---|------------------------------------|--|
| 01 07 | <p>SNAP ACTION SINGLE POLE</p> | | <p>01</p> <p>SNAP-ACTION CONTACTS</p> | | <p>40</p> <p>SLOW-ACTION CONTACTS (BREAK BEFORE MAKE)</p> |
| 03 33 | <p>SLOW ACTION BREAK BEFORE MAKE</p> | | | | |
| 04 34 | <p>SLOW ACTION MAKE BEFORE BREAK</p> | | <p>03</p> <p>SLOW-ACTION CONTACTS (BREAK BEFORE MAKE)</p> | | <p>41</p> <p>SLOW-ACTION CONTACTS (BREAK BEFORE MAKE) (GOLD PLATED CONTACTS)</p> |
| 06 36 | <p>SLOW ACTION 2 NORMALLY CLOSED</p> | | | | |
| 20 22 | <p>SNAP ACTION DOUBLE POLE</p> | | <p>06</p> <p>SLOW-ACTION CONTACTS (2 NORMALLY CLOSED)</p> | | <p>43</p> <p>SLOW-ACTION CONTACTS (BREAK BEFORE MAKE) (GOLD PLATED CONTACTS)</p> |
| 21 28 | <p>SNAP ACTION DOUBLE POLE</p> <p>STEP 1</p> <p>STEP 2</p> | | | | |
| 40 41 | <p>SLOW ACTION 4 NORMALLY CLOSED</p> | | <p>46</p> <p>SLOW-ACTION CONTACTS (BREAK BEFORE MAKE)</p> | | <p>45</p> <p>SLOW-ACTION CONTACTS (BREAK BEFORE MAKE) (GOLD PLATED CONTACTS)</p> |
| 42 43 | <p>SLOW ACTION 2 NORMALLY CLOSED/ 1 NORMALLY OPEN BREAK BEFORE MAKE</p> | | | | |
| 44 45 | <p>SLOW ACTION 2 NORMALLY CLOSED/ 2 NORMALLY OPEN BREAK BEFORE MAKE</p> | | <p>46</p> <p>SLOW-ACTION CONTACTS (BREAK BEFORE MAKE)</p> | | <p>47</p> <p>SLOW-ACTION CONTACTS (BREAK BEFORE MAKE) (GOLD PLATED CONTACTS)</p> |
| 46 47 | <p>SLOW ACTION 3 NORMALLY CLOSED/ 1 NORMALLY OPEN BREAK BEFORE MAKE</p> | | | | |

MICRO SWITCH™ Electromechanical Safety Switches, GSS Series

Table 3. GSA Safety Switch (Side Rotary) with 0.5-14NPT Conduit Order Guide


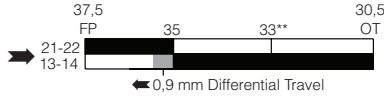
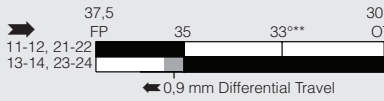
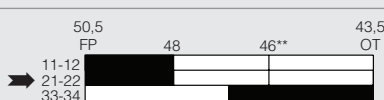
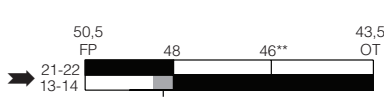

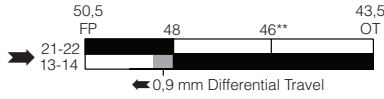
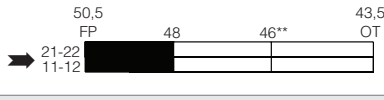

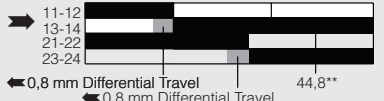
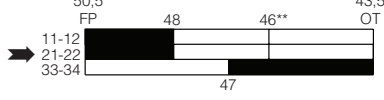
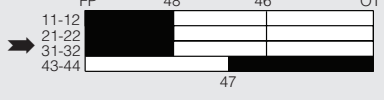
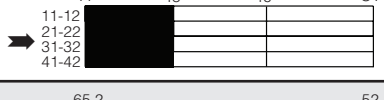
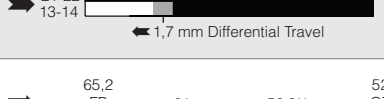
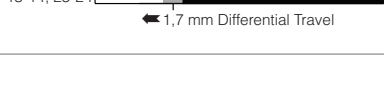


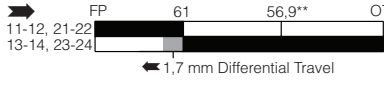
| | Catalog Listing 0.5-14 NPT Conduit* | Head and Lever Type | Contacts | Contact Material | Operating Torque max. | Bar Chart (degrees) ■ contact closed □ contact open |
|---|---|--|--------------------------|----------------------|---|---|
|  | GSAA01A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 1NC/1NO snap action | Silver alloy | 0,330 Nm [2.9 in-lb] |  |
| | GSAA04A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 1NC/1NO slow action, MBB | Silver alloy | 0,330 Nm [2.9 in-lb] |  |
| | GSAA06A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 2NC slow action | Silver alloy | 0,330 Nm [2.9 in-lb] |  |
| | GSAA36A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 2NC slow action | Gold plated | 0,330 Nm [2.9 in-lb] |  |
| | GSAA20A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 2NC/2NO snap action | Silver alloy | 0,330 Nm [2.9 in-lb] |  |
| | GSAA22A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 2NC/2NO snap action | Gold plated | 0,330 Nm [2.9 in-lb] |  |
| | GSAA42A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 2NC/1NO slow action, BBM | Silver alloy | 0,330 Nm [2.9 in-lb] |  |
| | GSAA44A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 2NC/2NO slow action, BBM | Silver alloy | 0,330 Nm [2.9 in-lb] |  |
| | GSAA47A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 3NC/1NO slow action, BBM | Gold plated | 0,330 Nm [2.9 in-lb] |  |
| | GSAA40A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 4NC slow action | Silver alloy | 0,330 Nm [2.9 in-lb] |  |
| GSAA41A1B | Side rotary with 38,1 mm [1.5 in] lever with steel roller | 4NC slow action | Gold plated | 0,330 Nm [2.9 in-lb] |  | |
|  | GSAA01A5B | Side rotary with 38,1 mm [1.5 in] offset lever with steel roller | 1NC/1NO snap action | Silver alloy | 0,330 Nm [2.9 in-lb] |  |

*Other conduit options are available, reference Product Nomenclature on page 4.

**Positive opening occurs.

MICRO SWITCH™ Electromechanical Safety Switches, GSS Series

Table 4. GSA Safety Switch (Top Plunger) with 0.5-14NPT Conduit Order Guide



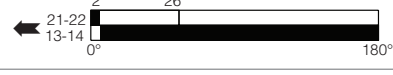


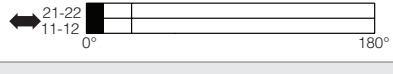
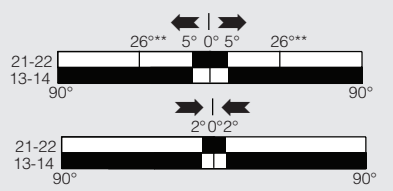
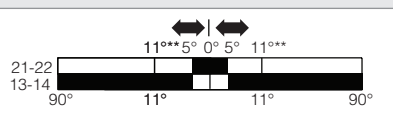
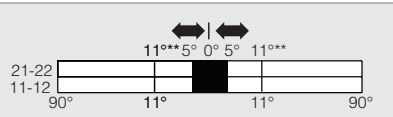
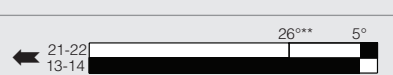

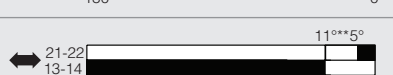
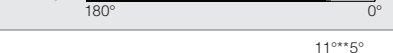
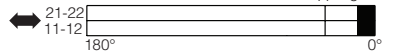
| | Catalog Listing 0.5-14 NPT Conduit* | Head and Lever Type | Contacts | Contact Material | Operating Force max. | Bar Chart (mm) ■ contact closed □ contact open |
|---|---|---------------------|--|------------------|----------------------|---|
|  | GSA01B | Top pin plunger | 1NC/1NO snap action | Silver alloy | 16 N [3.6 lb] |  |
| | GSA020B | Top pin plunger | 2NC/2NO snap action | Silver alloy | 16 N [3.6 lb] |  |
| | GSA022B | Top pin plunger | 2NC/2NO snap action | Gold plated | 16 N [3.6 lb] |  |
| | GSA042B | Top pin plunger | 2NC/1NO slow action, BBM | Silver alloy | 16 N [3.6 lb] |  |
|  | GSA01C | Top roller plunger | 1NC/1NO snap action | Silver alloy | 16 N [3.6 lb] |  |
| | GSA07C | Top roller plunger | 1NC/1NO snap action | Gold plated | 16 N [3.6 lb] |  |
| | GSA036C | Top roller plunger | 2NC slow action | Gold plated | 16 N [3.6 lb] |  |
| | GSA020C | Top roller plunger | 2NC/2NO snap action | Silver alloy | 16 N [3.6 lb] |  |
| | GSA022C | Top roller plunger | 2NC/2NO snap action | Gold plated | 16 N [3.6 lb] |  |
| | GSA028C | Top roller plunger | 2NC/2NO snap action, sequential (2 step) | Gold plated | 16 N [3.6 lb] |  |
| | GSA043C | Top roller plunger | 2NC/1NO slow action, BBM | Gold plated | 16 N [3.6 lb] |  |
| | GSA047C | Top roller plunger | 3NC/1NO slow action, BBM | Gold plated | 16 N [3.6 lb] |  |
| | GSA040C | Top roller plunger | 4NC slow action | Silver alloy | 16 N [3.6 lb] |  |
|  | GSA01D | Top roller lever | 1NC/1NO snap action | Silver alloy | 9.5 N [2.1 lb] |  |
| | GSA020D | Top roller lever | 2NC/2NO snap action | Silver alloy | 9.5 N [2.1 lb] |  |

*Other conduit options are available, reference Product Nomenclature on page 4.

**Positive opening occurs.

MICRO SWITCH™ Electromechanical Safety Switches, GSS Series

Table 5. GSC, GSD, GSE Safety Switch (Hinge) with 0.5-14NPT Conduit Order Guide

| | Catalog Listing with 0.5-14 NPT Conduit* | Hinge Lever Position on Head (safety contacts closed) | Body Material | Contacts | Contact Material | Operating Torque max. | Bar Chart (degrees) ■ contact closed □ contact open |
|---|--|---|-----------------|--------------------------|---------------------|---|---|
|  | GSCA01S1 | Left | Metal | 1NC/1NO snap action | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSCA07S1 | Left | Metal | 1NC/1NO snap action | Gold plated | 0,12 Nm [1.1 in-lb] |  |
| | GSCA03S1 | Left | Metal | 1NC/1NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSCA33S1 | Left | Metal | 1NC/1NO slow action, BBM | Gold plated | 0,12 Nm [1.1 in-lb] |  |
| | GSCA06S1 | Left | Metal | 2NC slow action | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSCA01S2 | Top | Metal | 1NC/1NO snap action | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSCA03S2 | Top | Metal | 1NC/1NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSCA06S2 | Top | Metal | 2NC slow action | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSCA36S2 | Top | Metal | 2NC slow action | Gold plated | 0,12 Nm [1.1 in-lb] |  |
| | GSCA01S3 | Right | Metal | 1NC/1NO snap action | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSCA07S3 | Right | Metal | 1NC/1NO snap action | Gold plated | 0,12 Nm [1.1 in-lb] |  |
| | GSCA03S3 | Right | Metal | 1NC/1NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| GSCA06S3 | Right | Metal | 2NC slow action | Silver alloy | 0,12 Nm [1.1 in-lb] |  | |

*Other conduit options are available, reference Product Nomenclature on page 4.

** Positive opening occurs.

MICRO SWITCH™ Electromechanical Safety Switches, GSS Series

Table 5. GSC, GSD, GSE Safety Switch (Hinge) with 0.5-14NPT Conduit Order Guide, continued

| Catalog Listing with 0.5-14 NPT Conduit* | Hinge Lever Position on Head (safety contacts closed) | Body Material | Contacts | Contact Material | Operating Torque max. | Bar Chart (degrees) ■ contact closed □ contact open |
|--|---|---------------|--------------------------|------------------|-----------------------|---|
| GSDA01S1 | Left | Plastic | 1NC/1NO snap action | Silver alloy | 0,12 Nm [1.1 in-lb] | |
| GSDA03S1 | Left | Plastic | 1NC/1NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] | |
| GSDA06S1 | Left | Plastic | 2NC slow action | Silver alloy | 0,12 Nm [1.1 in-lb] | |
| GSDA01S2 | Top | Plastic | 1NC/1NO snap action | Silver alloy | 0,12 Nm [1.1 in-lb] | |
| GSDA03S2 | Top | Plastic | 1NC/1NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] | |
| GSDA06S2 | Top | Plastic | 2NC slow action | Silver alloy | 0,12 Nm [1.1 in-lb] | |
| GSDA01S3 | Right | Plastic | 1NC/1NO snap action | Silver alloy | 0,12 Nm [1.1 in-lb] | |
| GSDA03S3 | Right | Plastic | 1NC/1NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] | |
| GSDA06S3 | Right | Plastic | 2NC slow action | Silver alloy | 0,12 Nm [1.1 in-lb] | |


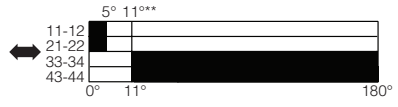
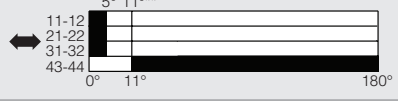
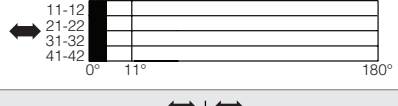
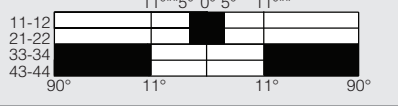
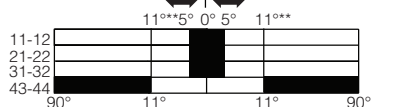
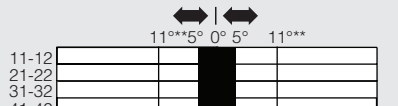
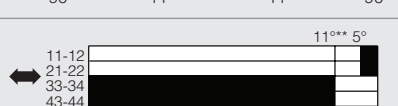
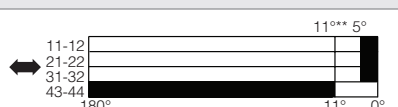
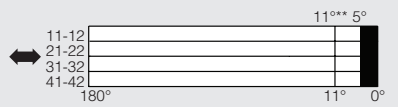



*Other conduit options are available, reference Product Nomenclature on page 4.

** Positive opening occurs.

MICRO SWITCH™ Electromechanical Safety Switches, GSS Series

Table 5. GSC, GSD, GSE Safety Switch (Hinge) with 0.5-14NPT Conduit Order Guide, continued

| | Catalog Listing with 0.5-14 NPT Conduit* | Hinge Lever Position on Head (safety contacts closed) | Body Material | Contacts | Contact Material | Operating Torque max. | Bar Chart (degrees) ■ contact closed □ contact open |
|---|--|---|---------------|--------------------------|------------------|-----------------------|---|
| <p>Three Conduits</p>  | GSEA44S1 | Left | Metal | 2NC/2NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSEA46S1 | Left | Metal | 3NC/1NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSEA41S1 | Left | Metal | 4NC slow action | Gold-plated | 0,12 Nm [1.1 in-lb] |  |
| | GSEA44S2 | Top | Metal | 2NC/2NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSEA46S2 | Top | Metal | 3NC/1NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSEA40S2 | Top | Metal | 4NC slow action | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSEA41S2 | Top | Metal | 4NC slow action | Gold-plated | 0,12 Nm [1.1 in-lb] |  |
| | GSEA44S3 | Right | Metal | 2NC/2NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSEA46S3 | Right | Metal | 3NC/1NO slow action, BBM | Silver alloy | 0,12 Nm [1.1 in-lb] |  |
| | GSEA41S3 | Right | Metal | 4NC slow action | Gold-plated | 0,12 Nm [1.1 in-lb] |  |

*Other conduit options are available, reference Product Nomenclature on page 4.

** Positive opening occurs.

MICRO SWITCH™ Electromechanical Safety Switches, GSS Series

Figure 4. GSA Side Rotary (Head Code A1) Dimensions

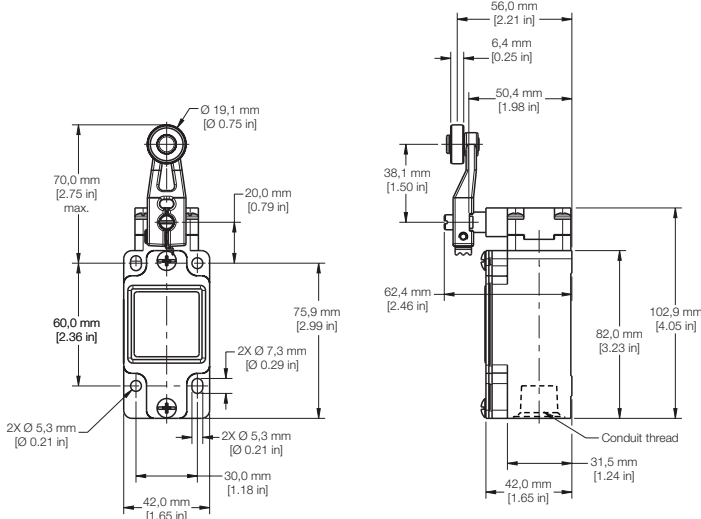


Figure 5. GSA Side Rotary (Head Code A5) Dimensions

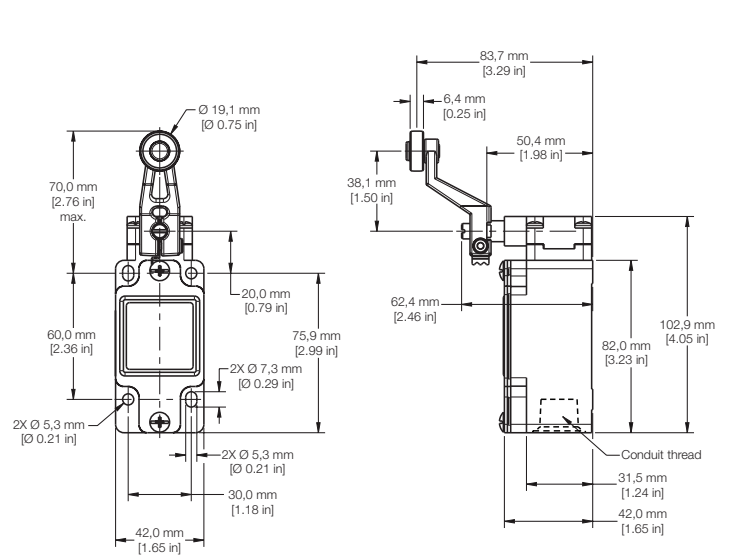


Figure 6. GSA Pin Plunger (Head Code B) Dimensions

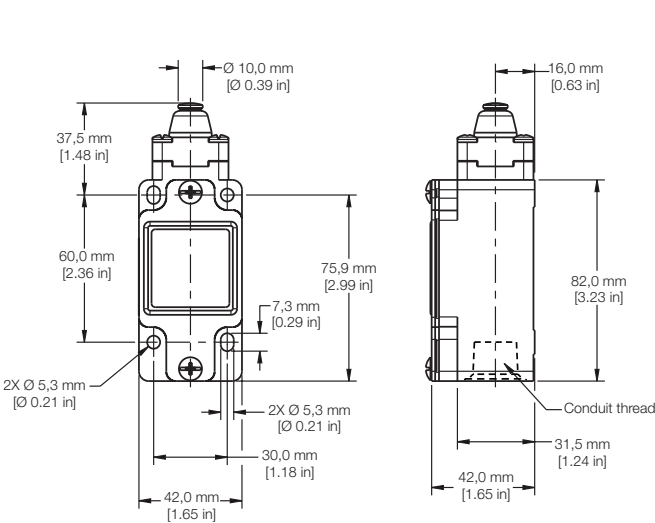


Figure 7. GSA Roller Plunger (Head Code C) Dimensions

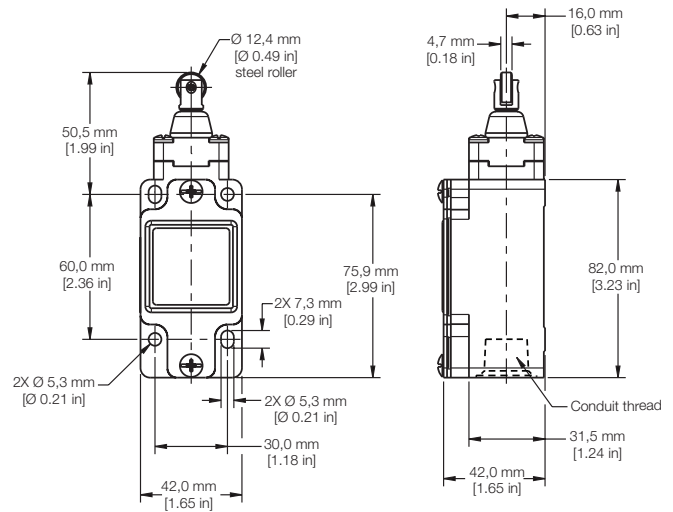


Figure 8. GSA Roller Arm (Head Code D) Dimensions

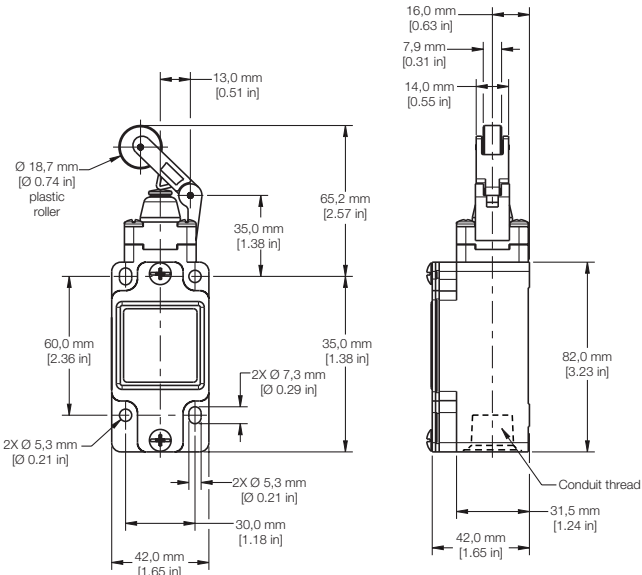
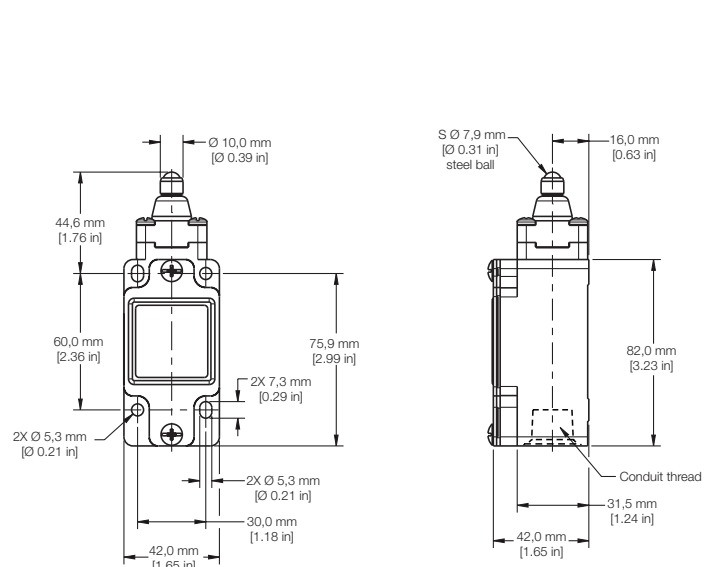
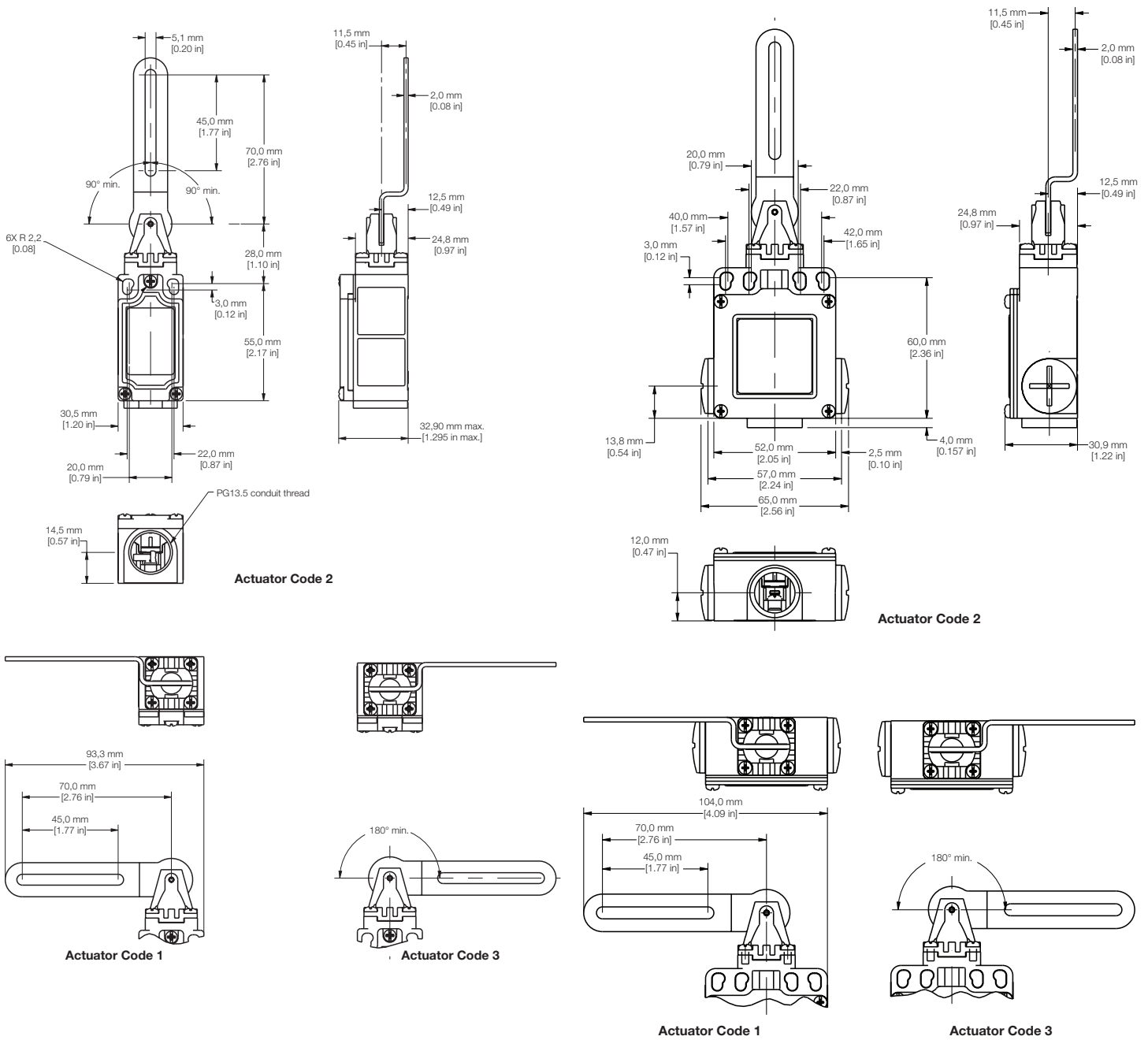


Figure 9. GSA Pin Plunger (Head Code R) Dimensions



MICRO SWITCH™ Electromechanical Safety Switches, GSS Series

Figure 10. GSC/GSD Series with Hinge Overall Dimensions mm [in] Figure 11. GSE Series with Hinge Overall Dimensions mm [in]



ADDITIONAL MATERIALS

The following associated literature is available on the Honeywell web site at sensing.honeywell.com:

- Product installation instructions
- Product range guide
- Product line guide

Find out more

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Never use this product for an application involving serious risk to life or property without ensuring that the system as a whole has been designed to address the risks, and that this product is properly rated and installed for the intended use within the overall system.

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

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- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

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