MICRO SWITCH Miniature Safety Switches


## DESCRIPTION

Honeywell's 924CE Series of miniature electromechanical safety switches are designed with a rugged metal housing This Series features positive opening normally closed contacts $\Theta$ to EN/IEC 60947-5-1-3 specifications. Due to their small size and positive opening normally closed contact; the 924CE Series provides a safety solution for applications where the size of other products could be prohibitive on the machinery.

The 924CE Series offers a variety of configurations which include a wide range of actuators, circuits, and electrical terminations to solve many application issues. These miniature switches are environmentally sealed to IP66 for demanding environments on indoor or outdoor machinery. In addition, the 924CE Series has been evaluated for safety functions up to a safety integrity level (SIL) of SIL3 when evaluated to the requirements of IEC 61508-2:2010.

## FEATURES

- Compact metal housing epoxy encapsulated with the common 25,4 mm [1.0 in] center-to-center mounting
- Positive opening operation of normally closed contacts $\Theta$ to EN/IEC 60947-5-1-3 specification
- Designed and agency evaluated for safety functions up to a SIL3 level
- Three different slow-action circuit options: 1NC/1NO BBM (break-before-make), 1NC/1NO MBB (make-before-break), and 1NC
- Wide range of actuator heads and levers
- Can be gang mounted for multiplepole capability
- Certified for global applications; cULus, CE, UKCA
- Environmentally sealed to IP66
- Standard temperature operating range of $0^{\circ} \mathrm{C}$ to $70^{\circ} \mathrm{C}$ [32 ${ }^{\circ} \mathrm{F}$ to $158^{\circ} \mathrm{F}$ ]
- Optional low temp. operating range of $-40^{\circ} \mathrm{C}$ to $70^{\circ} \mathrm{C}$ [-40 ${ }^{\circ} \mathrm{F}$ to $\left.158^{\circ} \mathrm{F}\right]$


## POTENTIAL APPLICATIONS

## Industrial

- Machine tools (small doors and apertures)
- Material handling
- Packaging machinery
- Trailer/truck restraint systems (dokloks)


## Transportation

- Small construction machinery


## VALUE TO CUSTOMERS

- Miniature rugged 924CE switches with common $25,4 \mathrm{~mm}$ [1.0 in] mounting footprint
- Switches easily gang mounted for multi-pole capability
- Low temp. option of $-40^{\circ} \mathrm{C}\left[-40^{\circ} \mathrm{F}\right]$
- Long life of up to 10 million mechanical operations
- Several electrical connection options: pre-cabled with different lengths; ac or dc Micro connectors with 4-pin or 5-pin options


## DIFFERENTIATION

- Miniature metal body size of 40 mm L x 16 mm W x 49 mm H requires less space on machinery
- Positive opening normally closed $\Theta$ contacts with an optional normally open contact
- Designed and evaluated for safety functions up to a SIL3 level

MICRO SWITCH MINIATURE SAFETY SWITCHES 924CE SERIES

| TABLE 1. SPECIFICATIONS |  |
| :--- | :--- |
| Characteristic | Parameter |
| Description | CE, UKCA, cULus, SIRA, IEC/EN60947-5-1 |
| Certifications | epoxy-coated die-cast zinc |
| pousing material plunger (924CE1-) |  |
|  | poller plunger parallel (924CE2-) <br> roller plunger perpendicular (924CE3-) <br> rotary (924CE16-) <br> pin plunger with boot seal (924CE18-) <br> adjustable plunger (924CE19-) |
| Actuators | roller plunger parallel, panel mount (924CE28-) <br> roller plunger perpendicular, panel mount (924CE29-) <br> roller plunger parallel with boot seal (924CE31-) <br> roller plunger perpendicular with boot seal (924CE55-) |
| Termination (electrical connection) | 3 core or 5 core SJTO cable, Integral dc Micro connector (4-pin or 5-pin), <br> Integral ac Micro connector (5-pin) |
| Contact options | 1 NC/1NO BBM (break-before-make), 1NC/1NO MBB (make-before-break), 1NC |
| Contact type | (all normally closed contacts are positive opening) |

TABLE 2. ELECTRICAL RATINGS EN/IEC 60947-5-1
ac

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| B300 | AC15 |  | dc |  |  |  |  |
| UE | IE | VA Rating | R300 | DC13 |  |  |  |
| (Volts) | (Amps) | Make | Break | (Volts) | (Amps) | Make | Break |
| 120 | 3 | 3600 | 360 | 125 | 0.22 | 28 | 28 |
| 240 | 1.5 | 3600 | 360 | 250 | 0.1 | 28 | VA Rating |

cULus (E41859), CE, UKCA
Cable: 10 A, 250 Vac; $1 / 3 \mathrm{hp}, 125 / 250$ Vac
Connector: 4 A, 250 Va

## MICRO SWITCH MINIATURE SAFETY SWITCHES 924CE SERIES

Figure 1. Product Nomenclature


## MICRO SWITCH MINIATURE SAFETY SWITCHES 924CE SERIES

## GANG-MOUNT CAPABILITY

The 924CE Series housing has been designed to enable the user to build their own multiple plunger switch by gang mounting several switches. All pin plunger and roller plunger types are suitable for gang mounting. There is a 16 mm distance between the plungers. The Series is very versatile such that even a lever-type version could be added at the end of the row.

## BOTTOM-EXIT OR SIDE-EXIT ORIENTATION

The 924CE Series has been designed with a pre-wired cable fitted in the bottom of the switch housing. Other variations are available with a side-exit cable.

## CONNECTOR VERSIONS

The 924CE Series is available with a Micro connector in a bottom-exit or side-exit version.

## MOUNTING

MICRO SWITCH 924CE Series safety switches are mounted by using two M5 or \#10 screws. The mounting holes are counter bored to keep the screw heads within the overall switch housing dimensions.

## APPLICATION ILLUSTRATION

Two 924CE roller plunger switches to monitor gate position, closed or open.

CONTACT ARRANGEMENT AND DESCRIPTION
Circuit Type

| PRODUCT SPECIFICATIONS AND LISTINGSContact your Honeywell rep or distributor for additional listings |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
|  | Head Type | Catalog <br> Listing** |  |  | Bar Chart $\qquad$ | Options | Termination/ Connection |
|  | Top pin plunger, Ø 10 mm [sst] | 924CE1-S3 | 1NC/1NO BBM | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ |  | - | 3 ft cable |
|  |  | 924CE1-S6 |  |  |  | - | 6 ft cable |
|  |  | 924CE1-S9 |  |  |  | - | 9 ft cable |
|  |  | 924CE1-T3 | $\begin{aligned} & 1 \mathrm{NC} / 1 \mathrm{NO} \\ & \mathrm{MBB} \end{aligned}$ | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ | $\underset{17,1}{\sqrt{7}}$ | - | 3 ft cable |
|  |  | 924CE1-T9 |  |  |  | - | 9 ft cable |
|  |  | 924CE1-T3A | $\begin{aligned} & 1 \mathrm{NC} / 1 \mathrm{NO} \\ & \mathrm{MBB} \end{aligned}$ | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ | $\begin{aligned} & \text { O.P -2 - }-13,1 \\ & \text { O.P }-1-5^{*} \text { 11, } \end{aligned}$ | Side exit cable | 3 ft cable |
|  |  | 924CE1-T6A |  |  |  |  | 6 ft cable |
|  |  | 924CE1-Y3 | 1NC | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ |  | - | 3 ft cable |
|  |  | 924CE1-Y9 |  |  |  | - | 9 ft cable |
|  | Top roller plunger, parallel Ø12,7 $\times 4,7 \mathrm{~mm}$ wide [steel] | 924CE2-S3 | $\begin{aligned} & \text { 1NC/1NO } \\ & \text { BBM } \end{aligned}$ | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ | $\begin{array}{r} 8,9 \\ \text { 29,9 } \\ \text { O.P -1 } \\ \text { O.P - }-2 \end{array}$ | - | 3 ft cable |
|  |  | 924CE2-S6 |  |  |  |  | 6 ft cable |
|  |  | 924CE2-S9 |  |  |  | - | 9 ft cable |
|  |  | 924CE2-S9A | $\begin{aligned} & \text { 1NC/1NO } \\ & \text { BBM } \end{aligned}$ | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ |  | Side exit cable | 9 ft cable |
|  |  | 924CE2-T3 | $\begin{aligned} & 1 \mathrm{NC} / 1 \mathrm{NO} \\ & \mathrm{MBB} \end{aligned}$ | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ |  | - | 3 ft cable |
|  |  | 924CE2-T6 |  |  |  | - | 6 ft cable |
|  |  | 924CE2-T9 |  |  |  | - | 9 ft cable |
|  |  | 924CE2-Y3 | 1NC | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ |  | - | 3 ft cable |
|  |  | 924CE2-Y9 |  |  |  | - | 9 ft cable |


| PRODUCT SPECIFICATIONS AND LISTINGS <br> Contact your Honeywell rep or distributor for additional listings |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Head Type | Catalog <br> Listing** |  |  | Bar Chart <br> Contact Closed <br> - Contact Open mm or ${ }^{\circ}$ | Options | Termination/ Connection |
|  | Top roller plunger, perpindicular $\varnothing 12,7 \times 4,7$ mm wide [steel] | 924CE3-S3 | 1NC/1NO BBM | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ |  | - | 3 ft cable |
|  |  | 924CE3-S6 |  |  |  | - | 6 ft cable |
|  |  | 924CE3-S9 |  |  |  | - | 9 ft cable |
|  |  | 924CE3-T9 | 1NC/1NO MBB | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ |  | - | 9 ft cable |
|  |  | 924CE3-Y3 |  | 22,5 N |  | - | 3 ft cable |
|  |  | 924СЕ3-Y6 | 1NC | [5.06 lb] | $\downarrow$ | - | 6 ft cable |
|  |  | 924CE3-Y9A | 1NC | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ |  | Side exit cable | 9 ft cable |
|  |  | 924CE3-Y9P | 1NC | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ | ${ }^{25.9}$ * $\square$ | Top mounting holes (2) <br> 8-32 thread | 9 ft cable |
|  | Front rotary [less lever] (see page 10 for lever selection) | 924CE16-S3 | 1NC/1NO BBM | $0,30 \mathrm{Nm}$ [2.66 inlb] |  | - | 3 ft cable |
|  |  | 924CE16-S9 |  |  |  |  | 9 ft cable |
|  |  | 924CE16-T3 | $\begin{aligned} & 1 \mathrm{NC} / 1 \mathrm{NO} \\ & \mathrm{MBB} \end{aligned}$ | $0,30 \mathrm{Nm}$ [2.66 inlb] | $\begin{array}{c\|c} \text { O.P }-2 & -48^{\circ} \\ 0 . P-1 \\ 0 . P^{\circ}-1 & -55^{\circ} \end{array}$ | - | 3 ft cable |
|  |  | 924CE16-Y3 | 1NC | 0,30 Nm [2.66 inlb] |  | - | 3 ft cable |
|  |  | 924CE16-Y9 |  |  | O.P <br> $50^{\circ} *$ <br>  | - | 9 ft cable |
|  | Top pin plunger, Ø 7,1 mm [sst] with boot seal | 924CE18-S6 | 1NC/1NO BBM | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ |  | - | 6 ft cable |
|  |  | 924CE18-Y3AL | 1NC | $\begin{aligned} & 22,5 \mathrm{~N} \\ & {[5.06 \mathrm{lb}]} \end{aligned}$ |  | Side exit cable, low temp. switch \& cable construction | 3 ft cable |



## MICRO SWITCH MINIATURE SAFETY SWITCHES

 924CE SERIES
## DIMENSIONAL DRAWINGS

Figure 2. 924CE General Dimensions


## MICRO SWITCH MINIATURE SAFETY SWITCHES 924CE SERIES

Figure 3. 924CE1 Dimensions


| Pin Plunger <br> Operating <br> Characteristics | S <br> $\mathbf{1 N C / 1 N O}$ <br> (BBM) | T <br> $\mathbf{1 N C / 1 N 0}$ <br> (MBB) | $\mathbf{Y}$ <br> $\mathbf{Y N C}$ |
| :--- | :---: | :---: | :---: |
| Free position <br> $( \pm 0,4[0.02])$ | 17,1 | 17,1 | 17,1 |
| $[0.67]$ | $[0.67]$ | $[0.67]$ |  |
| Pretravel (max.) | $2,2[0.09]$ | $4,0[0.16]$ | $2,2[0.09]$ |
| Overtravel <br> (min.) | $1,0[0.04]$ | $0,5[0.02]$ | - |

Figure 6. 924CE16 Dimensions


| Side Rotary <br> Operating <br> Characteristics | S <br> $\mathbf{1 N C / 1 N O}$ <br> (BBM) | T <br> $\mathbf{1 N C / 1 N O}$ <br> (MBB) | Y <br> 1NC |
| :--- | :---: | :---: | :---: |
| Free position <br> (degrees) | 0 | 0 | 0 |
| Pretravel (max. <br> degrees) | 26 | 48 | 26 |
| Total travel (min. <br> degrees) | 65 | 65 | 65 |

Figure 4. 924CE2 Dimensions


| Roller Plunger Operating Characteristics | $\begin{gathered} \mathrm{S} \\ \text { 1NC/1NO } \\ \text { (BBM) } \end{gathered}$ | $\begin{gathered} \mathrm{T} \\ \text { 1NC/1NO } \\ \text { (MBB) } \end{gathered}$ | $\begin{gathered} Y \\ \text { YNC } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Free position ( $\pm 0,4$ [0.02]) | $\begin{gathered} 29,9 \\ {[1.18]} \end{gathered}$ | $\begin{gathered} 29,9 \\ {[1.18]} \end{gathered}$ | $\begin{gathered} 29,9 \\ {[1.18]} \end{gathered}$ |
| Pretravel (max.) | 2,2 [0.09] | 4,0 [0.16] | 2,2 [0.09] |
| Overtravel (min.) | 1,0 [0.04] | 0,5 [0.02] | - |


| Pin Plunger with Boot Seal Operating Characteristics | $S$ 1NC/1NO (BBM) | $\begin{gathered} \mathrm{T} \\ \text { 1NC/1NO } \\ \text { (MBB) } \end{gathered}$ | $\begin{gathered} \mathrm{Y} \\ \text { 1NC } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Free position ( $\pm 0,4$ [0.02]) | $\begin{gathered} 23,9 \\ {[0.94]} \end{gathered}$ | $\begin{gathered} 23,9 \\ {[0.94]} \end{gathered}$ | $\begin{gathered} 23,9 \\ {[0.94]} \end{gathered}$ |
| Pretravel (max.) | 2,2 [0.09] | 4,0 [0.16] | 2,2 [0.09] |
| Overtravel (min.) | 1,0 [0.04] | 0,5 [0.02] | - |


| Roller Plunger <br> Operating <br> Characteristics | S <br> $\mathbf{1 N C / 1 N 0}$ <br> $(B B M)$ | T <br> $\mathbf{1 N C / 1 N 0}$ <br> (MBB) | $\mathbf{Y}$ <br> $\mathbf{1 N C}$ |
| :--- | :---: | :---: | :---: |
| Free position <br> $( \pm 0,4[0.02])$ | 29,9 <br> $[1.18]$ | 29,9 <br> $[1.18]$ | 29,9 <br> $[1.18]$ |
| Pretravel (max.) | $2,2[0.09]$ | $4,0[0.16]$ | $2,2[0.09]$ |
| Overtravel <br> $($ min. $)$ | $1,0[0.04]$ | $0,5[0.02]$ | - |

Figure 8. 924CE19 Dimensions


Figure 5.924CE3 Dimensions


| Top Adjust- <br> able Plunger <br> Operating <br> Characteristics | S <br> $\mathbf{1 N C / 1 N O}$ <br> (BBM) | T <br> $\mathbf{1 N C / 1 N O}$ <br> (MBB) | Y <br> YNC |
| :--- | :---: | :---: | :---: |
| Free position | 32 to 39 <br> [1.26 to | 32 to 39 <br> $[1.26$ <br> to | 32 to 39 <br> $[1.26$ to <br> (adjustable) |
| 1.54$]$ | $1.54]$ | $1.54]$ |  |
| Pretravel (max.) | $2,2[0.09]$ | $4,0[0.16]$ | $2,2[0.09]$ |
| Overtravel <br> (min.) | $1,0[0.04]$ | $0,5[0.02]$ | - |

## MICRO SWITCH MINIATURE SAFETY SWITCHES 924CE SERIES

Figure 9. 924CE28 Dimensions


| Top Roller <br> Plunger with <br> Panel Mount <br> Operating <br> Characteristics | S <br> 1NC/1NO <br> (BBM) | T <br> 1NC/1NO <br> (MBB) | Y <br> 1NC |
| :--- | :---: | :---: | :---: |
| Free position <br> $( \pm 0,4[0.02])$ | 43,9 | 43,9 | 43,9 |
| $[1.73]$ | $[1.73]$ | $[1.73]$ |  |
| Pretravel (max.) | $2,2[0.09]$ | $4,0[0.16]$ | $2,2[0.09]$ |
| Overtravel <br> (min.) | $1,0[0.04]$ | $0,5[0.02]$ | - |

Figure 10.924CE29 Dimensions


| Top Roller <br> Plunger with <br> Panel Mount <br> Operating <br> Characteristics | $S$ 1NC/1NO (BBM) |  | $\begin{gathered} Y \\ \text { Y } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Free position ( $\pm 0,4$ [0.02]) | $\begin{aligned} & 43,9 \\ & {[1.73]} \end{aligned}$ | $\begin{gathered} 43,9 \\ {[1.73]} \end{gathered}$ | $\begin{aligned} & 43,9 \\ & {[1.73]} \end{aligned}$ |
| Pretravel (max.) | 2,2 [0.09] | 4,0 [0.16] | 2,2 [0.09] |
| Overtravel (min.) | 1,0 [0.04] | 0,5 [0.02] |  |

Figure 11. 924CE31 Dimensions


| Roller Plunger with Boot Seal Operating Characteristics | $\stackrel{S}{\text { 1NC/1NO }}$ <br> (BBM) | $\stackrel{T}{1 N C / 1 N O}$ (MBB) | $\begin{gathered} \mathrm{Y} \\ \text { 1NC } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Free position ( $\pm 0,4$ [0.02]) | $\begin{gathered} 35,7 \\ {[1.41]} \end{gathered}$ | $\begin{gathered} 35,7 \\ {[1.41]} \end{gathered}$ | $\begin{gathered} 35,7 \\ {[1.41]} \end{gathered}$ |
| Pretravel (max.) | 2,2 [0.09] | 4,0 [0.16] | 2,2 [0.09] |
| Overtravel (min.) | 1,0 [0.04] | 0,5 [0.02] | - |

Figure 12.924CE55 Dimensions


| Roller Plunger <br> with Boot Seal <br> Operating <br> Characteristics | S <br> 1NC/1NO <br> (BBM) | T <br> $\mathbf{1 N C / 1 N 0}$ <br> (MBB) | Y <br> 1NC |
| :--- | :---: | :---: | :---: |
| Free position <br> $( \pm 0,4[0.02])$ | 35,7 | 35,7 | 35,7 |
| $[1.41]$ | $[1.41]$ | $[1.41]$ |  |
| Pretravel (max.) | $2,2[0.09]$ | $4,0[0.16]$ | $2,2[0.09]$ |
| Overtravel <br> $(m i n)$. | $1,0[0.04]$ | $0,5[0.02]$ | - |

TABLE 4. LEVERS FOR USE WITH 924CE FRONT ROTARY SWITCHES

|  | Catalog Listing | Rod/ Roller Material | Rod/Roller Dia. mm [in] | Roller Width mm [in] |
| :---: | :---: | :---: | :---: | :---: |
| Fixed length lever; 38,1 mm [1.5 in] radius |  |  |  |  |
|  | GLZ51A | Nylon | $\begin{gathered} 19,0 \\ {[0.75]} \end{gathered}$ | $\begin{gathered} 6,35 \\ {[0.25]} \end{gathered}$ |
|  | GLZ51B | Steel | $\begin{gathered} 19,0 \\ {[0.75]} \end{gathered}$ | $\begin{gathered} 6,35 \\ {[0.25]} \end{gathered}$ |
|  | GLZ51C | Nylon | $\begin{gathered} 25,4 \\ {[1.00]} \end{gathered}$ | $\begin{gathered} 12,7 \\ {[0.50]} \end{gathered}$ |
|  | GLZ51E | Bronze | $\begin{gathered} 19,0 \\ {[0.75]} \end{gathered}$ | $\begin{gathered} 6,35 \\ {[0.25]} \end{gathered}$ |
|  | GLZ51T | SST | $\begin{gathered} 19,0 \\ {[0.75]} \end{gathered}$ | 9,5 [0.38] |

Fixed length offset lever; 38,1 mm [1.5 in] radius


| GLZ55A | Nylon | $19,0[0.75]$ | $6,35[0.25]$ |
| :--- | :---: | :---: | :---: |
| GLZ55B | Steel | $19,0[0.75]$ | $6,35[0.25]$ |
| GLZ55E | Bronze | $19,0[0.75]$ | $6,35[0.25]$ |

## ADDITIONAL MATERIALS

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

- Product line guide
- Product range guide
- Installation instructions
- Certificates: SIL
- Certificates: Electrical endurance
- Certificates: Mechanical endurance
- Safety switch quick reference guide


## 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 our website or call:

| USA/Canada | +13026134491 |
| :--- | :--- |
| Latin America | +13058058188 |
| Europe | +441344238258 |
| Japan | +81 (0) 3-6730-7152 |
| Singapore | +6563552828 |
| Greater China | +864006396841 |

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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.

## $\triangle$ 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.


## Honeywell

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