



# Wireless Global Limit Switch (EN 50041) Limitless™ Switch

## DESCRIPTION

The new Limitless™ product line combines the best of MICRO SWITCH™ global limit switches with the latest commercial off-the-shelf wireless technology. Wireless-enabled limit switches can now be used for position sensing and presence/absence detection for an endless number of applications.

## FEATURES

### Wireless design

- Radio (license-free and global): WPAN 802.15.4, 2.4 GHz, point-to-point
- FCC 15, IC, ACMA & ETSI
- RoHS Compliant
- EMI Immunity
- Up to 304 m [1000 ft] communication range when used with a Limitless™ wireless monitor or receiver module (sold separately)
- Reliable, flexible, and secure wireless transmission
- Standard replaceable battery with ultra-low power consumption
- Direct or remote mount antenna options

### Mechanical design

- EN50041 metal enclosure
- IP67; NEMA 1,4,12,13
- Full complement of operating heads and levers
- Modular construction of components
- Design for ease of installation

The Limitless™ Series is especially beneficial for remote monitoring applications where wiring or wire maintenance is not physically possible or economically feasible. Combining this greater flexibility with proven harsh duty packaging can result in increased efficiencies and improved safety for machines, equipment, OEMs, and operators.

## BENEFITS

- Enables presence/absence detection in remote parts of application / machinery, where wiring is an issue or not feasible
- Ability to reconfigure and network multiple switches, or point-to-point with personalized addresses, which allows for adding, subtracting or relocating Limitless™ switches easily
- Reduced installation/maintenance costs with no wires, conduit, strain relief, clips, connectors, connection boxes, etc.
- Eliminates issues with wire connection integrity on moving equipment
- Consumes ultra-low power to prolong battery life

## POTENTIAL APPLICATIONS

- |                          |                                 |
|--------------------------|---------------------------------|
| • Valve position         | • Construction/Ag machines      |
| • Crane                  | • Conveyors                     |
| • boom/jib/skew position | • Remote or temporary equipment |
| • Lifts                  | • Movable machinery             |
| • Material handling      | • Grain diverters or flaps      |
| • Presses                | • Door position                 |
|                          | • Hose attachment verification  |
|                          | • Specialty machines            |

# Limitless™ Series

| Description                    | Parameter                                                                                                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series name                    | WGLA Series                                                                                                                                                                                                                                     |
| Product type                   | Limitless™ Global Limit Switches                                                                                                                                                                                                                |
| Availability                   | Global, license-free bands                                                                                                                                                                                                                      |
| Operating Characteristics      | Reference wireless global limit switch specifications (WGLA Series)                                                                                                                                                                             |
| Actuator                       | Side rotary, top plunger, top roller, top roller lever                                                                                                                                                                                          |
| Lever type                     | Rotary lever included w/side rotary– other lever options available                                                                                                                                                                              |
| Housing material               | Powder coated zinc die-cast                                                                                                                                                                                                                     |
| Housing type                   | EN 50041                                                                                                                                                                                                                                        |
| Radio                          | WPAN 802.15.4; 2.4GHz                                                                                                                                                                                                                           |
| Antenna type                   | Direct or remote mount antenna options; Omni directional                                                                                                                                                                                        |
| Signal range                   | Nominal 304 m* for International use (Europe and Australia due to signal restrictions);<br>Nominal 1000 ft* for use in US and Canada<br>*clear line of sight between Limitless™ switch and monitor/receiver when using 2.2 dBi integral antenna |
| Battery                        | 3.6 Vdc Lithium Thionyl Chloride; 2/3 AA size (Est. life >1yr)<br>Manufactured by Uniwell, part number DEV-10-0009                                                                                                                              |
| Sealing                        | IP67; NEMA 1, 4, 12, 13                                                                                                                                                                                                                         |
| EMC                            | Latest applicable standards: EN 300 328, V1.7.1; EN 61326-1 (2006);<br>EN 301 489-1, V1.8.1; EN 301 489-17, V2.1.1                                                                                                                              |
| Shock                          | IEC 60068-2-27; half sine, 10 g, 6 mS, 3 axis                                                                                                                                                                                                   |
| Vibration                      | IEC 60068-2-6; 10-500Hz w/ 0,35 mm peak-to-peak, 58-500 Hz- 5g                                                                                                                                                                                  |
| Operating temperature          | -40 °C to 85 °C [-40 °F to 185 °F] (side rotary)<br>-25 °C to 85 °C [-13 °F to 185 °F] (all other housing styles)                                                                                                                               |
| Agency approvals and standards | FCC 15.247<br>Industry Canada RSS 210<br>ETSI, CE mark<br>ACMA, C-Tick mark                                                                                                                                                                     |
| UNSPSC code                    | 20142601                                                                                                                                                                                                                                        |
| UNSPSC commodity               | 20142601                                                                                                                                                                                                                                        |
| Sealed                         | Industrial                                                                                                                                                                                                                                      |

\* Actual range will vary depending upon antennas, cables, and site topography.

# Wireless Limit Switches

## NOMENCLATURE TREE (Not all configurations are immediately available.)

| WGLA                    | 1                       | A                           | 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A                                                    | A                                                                                           | 1                                                                                                             | A-                                                                                                                                                                                                                                                                                                                                                                | 3                                                                                                                                                                                                                 | — — —                                     |
|-------------------------|-------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Switch type</b>      | <b>Software version</b> | <b>RF Code</b>              | <b>Antenna type code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Country use code</b>                              | <b>Head code</b>                                                                            | <b>Lever code</b>                                                                                             | <b>Roller code</b><br>mm [in]                                                                                                                                                                                                                                                                                                                                     | <b>Modification code</b>                                                                                                                                                                                          | <b>Specials</b>                           |
| WGLA Series<br>Wireless | 1 Version 1             | A 2.4 GHz;<br>IEEE 802.15.4 | 00 No antenna; RP-SMA connector jack<br>01 2.2 dBi omni with switch mount; straight design<br>02 2.2 dBi omni with switch mount; tilt and swivel design<br>03 3.0 dBi omni with remote adhesive mount/9.8 ft cable<br>04 5.5 dBi omni w/ remote mag. mount, tilt&swivel/5 ft cable<br>05 5.5 dBi omni w/ remote mag. mount, tilt&swivel/10ft cable<br>06 9.0 dBi omni w/ remote mag. mount, tilt&swivel/5 ft cable<br>07 9.0 dBi omni w/ remote mag. mount, tilt&swivel/10ft cable<br>08 8.0 dBi omni w/ remote bkt. mount, str. design/3 ft cable<br>09 8.0 dBi omni w/ remote bkt. mount, str. design/11 ft cable<br>10 2.2 dBi omni w/ remote mag. mount, tilt&swivel/10 ft cable | A US, Canada<br>B European Countries*<br>C Australia | A Side rotary, momentary<br>B Top pin plunger<br>C Top roller plunger<br>D Top roller lever | Not applicable<br>1 Std. fixed length<br>2 Adjustable roller<br>3 Yoke roller<br>4 Adjustable rod<br>5 Offset | Not applicable<br>A 19 x 6.35 [0.75 x 0.25] nylon<br>B 19 x 6.35 [0.75 x 0.25] steel<br>D 38.1 x 6.35 [1.5 x 0.25] nylon<br>J 200 mm aluminum adjustable rod<br>K 140 mm aluminum adjustable rod<br>N 318 mm stainless steel adjustable rod<br>W 40.0 x 12.7 [1.5 x 0.5] rubber<br>Y 50.8 x 12.7 [2.0 x 0.5] rubber<br>T 19 x 8.75 [0.75 x 0.345] stainless steel | Not applicable<br>3 Head assembled with actuator to right side<br>4 Head assembled with actuator to left side<br>5 Head assembled with actuator to mounting surface<br>6 Roller perpendicular to mounting surface | Use only if switch has a special feature. |

\*Antenna type codes 00 - 03, 05, 10; usage also allowed in Country Codes A & C.

## Monitor Nomenclature

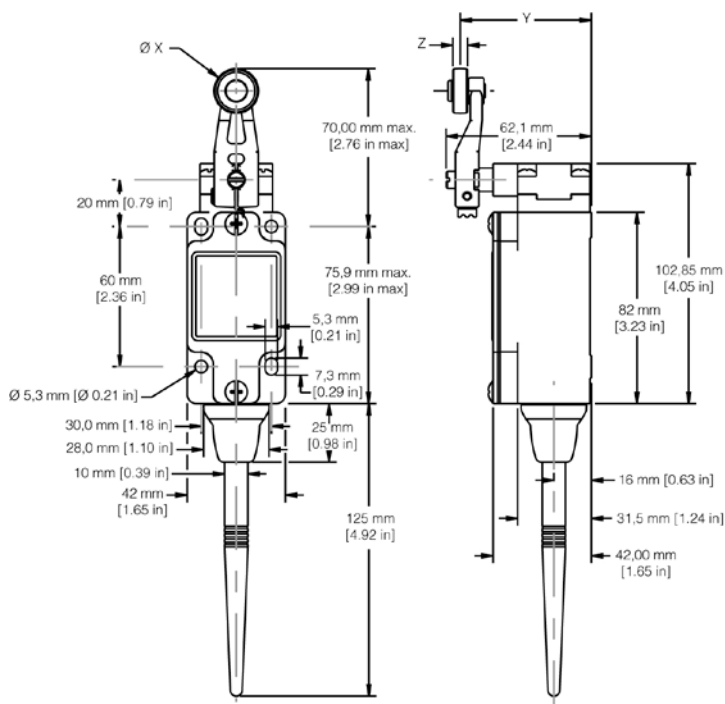
| WPMM                   | 1                       | A                           | 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A                                                    | — — —                                      |
|------------------------|-------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------|
| <b>Monitor type</b>    | <b>Software version</b> | <b>RF Code</b>              | <b>Antenna type code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Country use code</b>                              | <b>Specials</b>                            |
| WPMM Series<br>Monitor | 1 Version 1             | A 2.4 GHz;<br>IEEE 802.15.4 | 00 No antenna; RP-SMA connector jack<br>01 2.2 dBi omni with switch mount; straight design<br>02 2.2 dBi omni with switch mount; tilt and swivel design<br>03 3.0 dBi omni with remote adhesive mount/9.8 ft cable<br>04 5.5 dBi omni w/ remote mag. mount, tilt&swivel/5 ft cable<br>05 5.5 dBi omni w/ remote mag. mount, tilt&swivel/10ft cable<br>06 9.0 dBi omni w/ remote mag. mount, tilt&swivel/5 ft cable<br>07 9.0 dBi omni w/ remote mag. mount, tilt&swivel/10ft cable<br>08 8.0 dBi omni w/ remote bkt. mount, str. design/3 ft cable<br>09 8.0 dBi omni w/ remote bkt. mount, str. design/11 ft cable<br>10 2.2 dBi omni w/ remote mag. mount, tilt&swivel/10 ft cable | A US, Canada<br>B European Countries*<br>C Australia | Use only if monitor has a special feature. |

\*Antenna type codes 00-03, 05, 10; usage also allowed in country codes A & C.

# Limitless™ Series

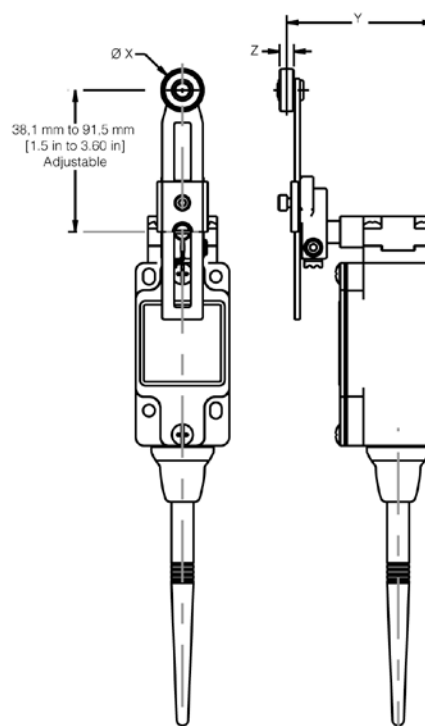
## DIMENSIONS

### Side Rotary Head with GLZ51 Series Lever



| Lever  | Roller Material | X Dim             | Y Dim             | Z Dim             |
|--------|-----------------|-------------------|-------------------|-------------------|
| GLZ51A | Nylon           | 19,1 mm [0.75 in] | 55,9 mm [2.2 in]  | 6,4 mm [0.25 in]  |
| GLZ51B | Steel           | 19,1 mm [0.75 in] | 55,9 mm [2.2 in]  | 6,4 mm [0.25 in]  |
| GLZ51T | Stainless Steel | 19,1 mm [0.75 in] | 56,8 mm [2.24 in] | 8,8 mm [0.35 in]  |
| GLZ51Y | Rubber          | 50,0 mm [1.97 in] | 66,1 mm [2.60 in] | 10,0 mm [0.39 in] |

### Side Rotary Head with GLZ52 Series Lever

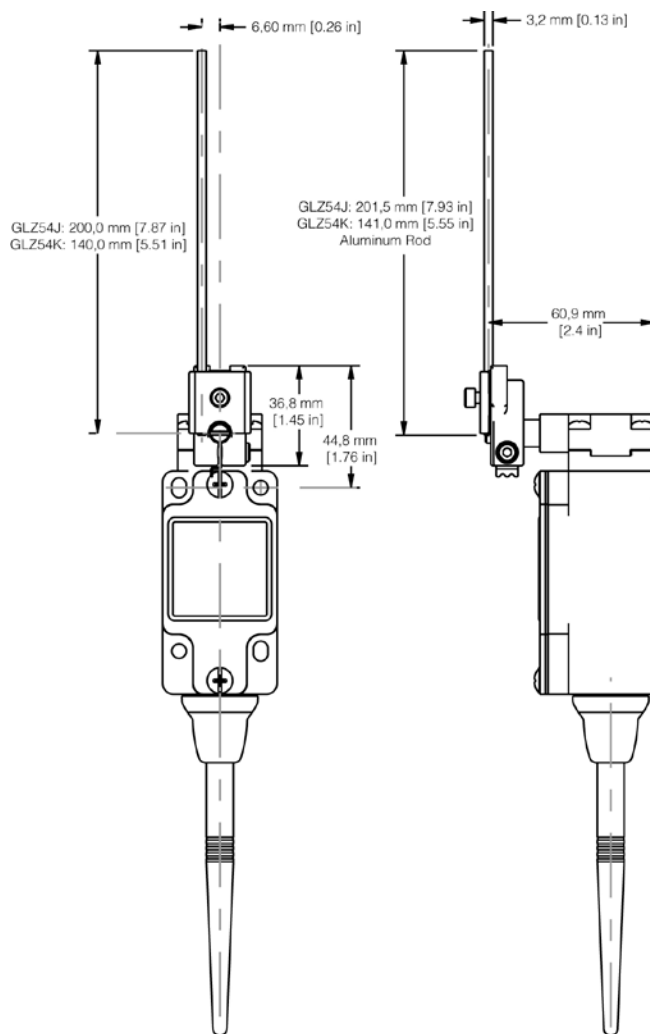


| Lever  | Roller Material | X Dim             | Y Dim             | Z Dim             |
|--------|-----------------|-------------------|-------------------|-------------------|
| GLZ52A | Nylon           | 19,1 mm [0.75 in] | 65,9 mm [2.59 in] | 6,4 mm [0.25 in]  |
| GLZ52B | Steel           | 19,1 mm [0.75 in] | 65,9 mm [2.59 in] | 6,4 mm [0.25 in]  |
| GLZ52D | Nylon           | 38,1 mm [1.5 in]  | 65,9 mm [2.59 in] | 6,4 mm [0.25 in]  |
| GLZ52E | Nylon           | 19,1 mm [0.75 in] | 79,4 mm [3.13 in] | 33,1 mm [1.30 in] |
| GLZ52W | Rubber          | 40,0 mm [1.57 in] | 71,5 mm [2.81 in] | 12,7 mm [0.5 in]  |
| GLZ52Y | Rubber          | 50,0 mm [1.97 in] | 68,8 mm [2.71 in] | 10,0 mm [0.39 in] |

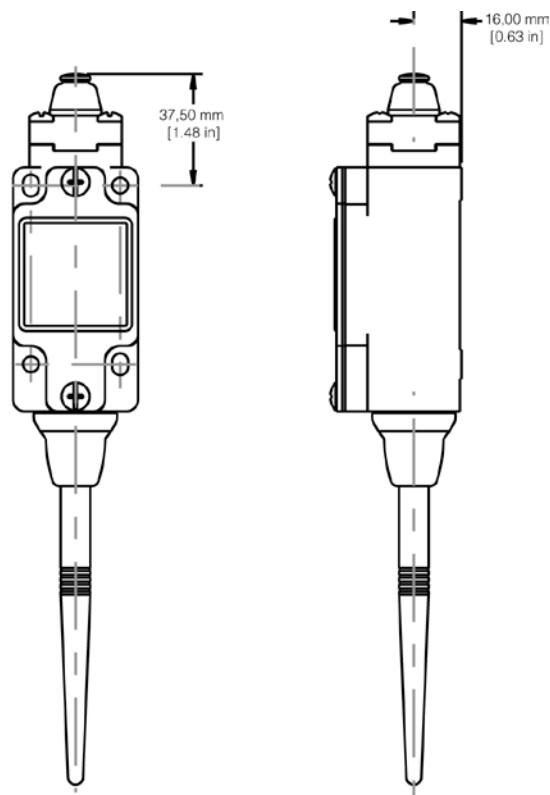
# Wireless Limit Switches

## DIMENSIONS

### Side Rotary Head with GLZ54 Series Lever



### Top Pin Plunger Head



# Limitless™ Series

## STANDARD WGLA LISTINGS

| Part Number  | Description                                                                                                                                                                                                                             |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WGLA1A01AA1A | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni straight antenna, use in US/Canada, side rotary – momentary, standard lever with 19 mm x 6,35 mm [0.75 in x 0.25 in] nylon roller                                              |
| WGLA1A01AA1B | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni straight antenna, use in US/Canada, side rotary – momentary, standard lever with 19 mm x 6,35 mm [0.75 in x 0.25 in] steel roller                                              |
| WGLA1A01AA4J | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni straight antenna, use in US/Canada, side rotary – momentary, 200 mm aluminum adjustable rod actuator                                                                           |
| WGLA1A01AB   | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni straight antenna, use in US/Canada, top pin plunger                                                                                                                            |
| WGLA1A01AC   | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni straight antenna, use in US/Canada, top roller plunger                                                                                                                         |
| WGLA1A01AD   | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni straight antenna, use in US/Canada, top roller lever                                                                                                                           |
| WGLA1A02AA1A | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni tilt & swivel antenna, use in US/Canada, side rotary – momentary, standard lever with 19 mm x 6,35 mm [0.75 in x 0.25 in] nylon roller                                         |
| WGLA1A02AA1B | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni tilt & swivel antenna, use in US/Canada, side rotary – momentary, standard lever with 19 mm x 6,35 mm [0.75 in x 0.25 in] steel roller                                         |
| WGLA1A02AA4J | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni tilt & swivel antenna, use in US/Canada, side rotary – momentary, 200 mm aluminum adjustable rod actuator                                                                      |
| WGLA1A02AB   | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni tilt & swivel antenna, use in US/Canada, top pin plunger                                                                                                                       |
| WGLA1A02AC   | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni tilt & swivel antenna, use in US/Canada, top roller plunger                                                                                                                    |
| WGLA1A02AD   | Limitless™ Series WGLA Global Limit Switch, 2.2 dBi omni tilt & swivel antenna, use in US/Canada, top roller lever                                                                                                                      |
| WGLA1A04AA1A | Limitless™ Series WGLA Global Limit Switch, 5.5 dBi omni remote magnetic mount/tilt & swivel antenna with 5ft of cable, use in US/Canada, side rotary – momentary, standard lever with 19 mm x 6,35 mm [0.75 in x 0.25 in] nylon roller |
| WGLA1A04AA1B | Limitless™ Series WGLA Global Limit Switch, 5.5 dBi omni remote magnetic mount/tilt & swivel antenna with 5ft of cable, use in US/Canada, side rotary – momentary, standard lever with 19 mm x 6,35 mm [0.75 in x 0.25 in] steel roller |
| WGLA1A04AA4J | Limitless™ Series WGLA Global Limit Switch, 5.5 dBi omni remote magnetic mount/tilt & swivel antenna with 5ft of cable, use in US/Canada, side rotary – momentary, 200 mm aluminum adjustable rod actuator                              |
| WGLA1A04AB   | Limitless™ Series WGLA Global Limit Switch, 5.5 dBi omni remote magnetic mount/tilt & swivel antenna with 5ft of cable, use in US/Canada, top pin plunger                                                                               |
| WGLA1A04AC   | Limitless™ Series WGLA Global Limit Switch, 5.5 dBi omni remote magnetic mount/tilt & swivel antenna with 5ft of cable, use in US/Canada, top roller plunger                                                                            |
| WGLA1A04AD   | Limitless™ Series WGLA Global Limit Switch, 5.5 dBi omni remote magnetic mount/tilt & swivel antenna with 5ft of cable, use in US/Canada, top roller lever                                                                              |

# Wireless Limit Switches

## ACCESSORIES NOMENCLATURE

### Antenna Nomenclature

| WAN                          | 01                                                                                                                                                                                                                                                                                                                  | RSP                                                                          | — — —                                      |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------|
| Antenna type                 | Antenna type code                                                                                                                                                                                                                                                                                                   | Connector Code                                                               | Specials                                   |
| <b>WAN Series</b><br>Antenna | <b>01</b> 2.2 dBi omni; straight design<br><b>02</b> 2.2 dBi omni; tilt & swivel des.<br><b>03</b> 3.0 dBi omni with adhesive mount & 9.8 ft cable<br><b>04</b> 5.5 dBi omni;*** tilt & swivel des.<br><b>05</b> 9.0 dBi omni;*** tilt & swivel des.<br><b>06</b> 8.0 dBi omni w/ bracket, straight des. 1 ft cable | <b>RNJ</b> Reverse polarity N jack**<br><b>RSP</b> Reverse polarity SMA plug | Use only if antenna has a special feature. |

\*\* Only used with 06 antenna type code  
 \*\*\* Limited outdoor exposure. Protect against direct rain, salt, snow, ice, etc.

### Limitless™ Antennas

| WAN01RSP<br>Straight Design<br>Direct Mount<br>Connector                            | WAN02RSP<br>Tilt and Swivel<br>Design, Direct Mount<br>Antenna                      | WAN05RSP with<br>WAMM100RSP-005<br>Tilt and Swivel Design,<br>Magnetic Mount Antenna | WAN03RSP Flat Design,<br>Adhesive Mount Antenna                                      | WAN06RNJ Straight<br>Design, Bracket<br>Mount Antenna                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |   |  |  |



# Limitless™ Series

## Cable Assembly Nomenclature

| WCA              | 200                 | RNP                         | RSP-                          | 010                                                               | — — —                                    |
|------------------|---------------------|-----------------------------|-------------------------------|-------------------------------------------------------------------|------------------------------------------|
| Cable type       | Cable Type          | Connector Code              | Connector Code                | Length Code                                                       | Specials                                 |
| WCA Series Cable | 200 200 Series Coax | RNP Reverse polarity N plug | RSP Reverse polarity SMA plug | Not applicable<br>002 2 ft cable length<br>010 10 ft cable length | Use only if cable has a special feature. |

## Limitless™ Cable Accessories

### WCA200RNPRSP-002/010 Cable Assembly



## Antenna Mounting Nomenclature

| WAM                      | M          | 100                 | RSP-                          | 005                                                               | — — —                                    |
|--------------------------|------------|---------------------|-------------------------------|-------------------------------------------------------------------|------------------------------------------|
| Mounting                 | Type Code  | Cable Type          | Connector Code                | Length Code                                                       | Specials                                 |
| WAM Series Antenna Mount | M Magnetic | 100 100 Series Coax | RSP Reverse polarity SMA plug | Not applicable<br>005 5 ft cable length<br>010 10 ft cable length | Use only if mount has a special feature. |

## Limitless™ Panel Mount Accessories

### WAMM100RSP-005/010 Magnetic Antenna Mount



# Wireless Limit Switches

## STANDARD ACCESSORIES

| Part Number      | Description                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------|
| WAN03RSP         | Flat wireless antenna with 3 dBi gain, reverse polarity SMA plug, adhesive mount with 10 ft of cable |
| WAN06RNJ         | Straight wireless antenna with 8 dBi gain, reverse polarity N jack, bracket mount with 1 ft of cable |
| WAN01RSP         | Straight wireless antenna with 2.2 dBi gain, reverse polarity SMA plug, connector mount (RP-SMA)     |
| WAN02RSP         | Tilt/swivel wireless antenna with 2.2 dBi gain, reverse polarity SMA plug, connector mount (RP-SMA)  |
| WAN04RSP         | Tilt/swivel wireless antenna with 5.5 dBi gain, reverse polarity SMA plug, connector mount (RP-SMA)  |
| WAN05RSP         | Tilt/swivel wireless antenna with 9 dBi gain, reverse polarity SMA plug, connector mount (RP-SMA)    |
| WCA200RNPRSP-002 | 200 Series coax cable assembly, reverse polarity N plug, reverse polarity SMA plug, 2 ft of cable    |
| WCA200RNPRSP-010 | 200 Series coax cable assembly, reverse polarity N plug, reverse polarity SMA plug, 10 ft of cable   |
| WAMM100RSP-005   | Magnetic antenna mounting, 100 Series coax cable, reverse polarity SMA plug with 5 ft of cable       |
| WAMM100RSP-010   | Magnetic antenna mounting, 100 Series coax cable, reverse polarity SMA plug with 10 ft of cable      |

## **WARNING**

### **PERSONAL INJURY**

DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

**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.**

## **WARNING**

Honeywell does not recommend using devices for critical control applications where there is, or may be, a single point of failure or where single points of failure may result in an unsafe condition. It is up to the end-user to weigh the risks and benefits to determine if the products are appropriate for the application based on security, safety and performance. Additionally, it is up to the end-user to ensure that the control strategy results in a safe operating condition if any crucial segment of the control solution fails.

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

## **WARRANTY/REMEDY**

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement 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 it 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 we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer 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 printing. However, we assume no responsibility for its use.

## **SALES AND SERVICE**

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office or:

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## Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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