

Quick Start Sheet

MICRO SWITCH™ Z Series Waterproof Subminiature Switches



PRODUCT FOCUS

NOT FOR END CUSTOMER USE

[Find the MICRO SWITCH™ Z Series Standard Subminiature Snap-Action Switches on S&C's Website](#)



INTRODUCTION

This product focus provides technical documentation, features, benefits, value propositions, and potential applications of the watertight subminiature switches found in the MICRO SWITCH™ Z Series.

Honeywell's Z Series

The MICRO SWITCH™ Z Series Standard Subminiature Snap-Action Switches are designed for applications that require sensing the presence or absence of an object. For customers who need a switching solution to meet performance and design expectations, Honeywell's MICRO SWITCH™ Z Series offers product configurations at a great value.

- **ZD Series:** Watertight, but smaller sized than the ZM Series (similar to the ZX Series); with an IP67 rating, offers watertightness due to its lead wires; plunger travel can be restricted and offers a side-post quick mounting; often used in automotive applications due to its sealing ability and quick mounting option.
- **ZW Series:** With an IP67 rating, offers watertightness due to its lead wires, as well as a snap-on lever, coil spring, and ENEC rating; engineered to be used when a sealed position switch in a cost-effective package is required.

VALUE PROPOSITIONS FOR Z SERIES

Value: The right switch for a specified application at a competitive price. Honeywell matches product performance with customer design expectations.

Customization: A wide variety of actuators, terminations, wire connections, operating and electrical characteristics result in thousands of potential configurations.

Reliable: Exceeding UL and other agency requirements with repeatability and consistent performance within a range of conditions.

Environmental Protection: Able to operate under difficult environmental conditions (ZW and ZD Series are sealed with an IP67 rating).

STRATEGIC PORTFOLIO ANALYSIS

The Z Series is the standard subminiature snap-action switch in Honeywell's MICRO SWITCH™ portfolio of products that also includes standard V, and premium Large, V, and S Series. The MICRO SWITCH™ Z Series switches are often chosen due to their small size and sealing options when customers need to sense presence or absence in a compact package with accurate repeatability and extended life at a great value.

KEY FEATURES AND BENEFITS

- Small size and light weight switches lend themselves to numerous potential applications
- Choice of low energy or power-duty electrical ratings allow the switch to be specified in more types of applications
- Broad range of amp ratings (from 0.1 A to 10.1 A)
- Watertight IP67 sealing available on some listings allows the switch to be used where sealing and presence/absence detection is required
- UL/CSA, cUL, ENEC, and CE approvals

POTENTIAL APPLICATIONS

For use in applications where a pre-wired sealed on/off switch is required.

- **Industrial:** Appliances, communication equipment, computers, electromechanical timers, mechanical cam assemblies (timers), office equipment, electric tools, HVAC wall controls, instrumentation, valves, vending machines
- **Transportation:** Automotive, truck, and boat wire harnesses; sub-assemblies for convertible roofs; lock modules for tail-gate/trunk; tank and hood latch detection
- **Medical:** Medical and hospital beds, foot pedal controls, and chair lifts

COMPETITIVE OVERVIEW

- Cherry D-series, E-series
- Panasonic ABS, ABJ, ASQ, AV3, AH1, AV4
- Saia X4, XC, V4N/V4NS, F4T7, X5
- Omron D2VW, SS, J-series

Honeywell's strengths:

- **Quality at a great value:** Honeywell offers a clear, competitive advantage via product specifications, international agency approvals, and sales channel coverage
- **Productivity:** Specific Z Series models are sold with wires pre-attached that can decrease installation time
- **Watertight, sealed IP67**
- **Delivery:** Products shipped quickly from warehouse and through the distribution channel's global sales coverage
- **Global agency approvals:** UL/CSA, cUL, ENEC, and CE
- **Product breadth:** Honeywell offers a great number of standard options readily available, allowing customers the ability to increase velocity of a new design testing and implementation
- **Sales coverage and support:** Honeywell delivers personal and experienced customer and sales support through channel distributors, Sales Reps, Global Application Engineers, Technical Customer Service and internal customer sales

MICRO SWITCH™ Z Series Waterproof Subminiature Switches

TRAINING

Training and customer visits are available from Product Marketing Manager, [Dan Herzog](#); Application Engineers/NA, [Chuck Wellman](#), and EMEA, [Simon Cochrane-Mills](#); AP, Product Marketing Manager, [Mark Song](#); Regional Marketing Manager/EMEA, [Leslie Neill](#); and Regional Marketing Manager/NA, [Pam Davis](#).

POTENTIAL SELLING CYCLE

Immediate to 18 months

SAMPLES

Contact Chuck Wellman for NA, Simon Cochrane-Mills for EMEA and Mark Song for AP.

PRODUCT AVAILABILITY

Now

ORDERING INFORMATION

Products available for ordering in iCOM.

SEARCH ENGINE KEY WORDS

Honeywell, MICRO SWITCH, microswitch, micro switch, snap-action, snap action, switch, basic, standard, subminiature, ZD, ZW, appliances, computers, joysticks, telephones, water pumps

MATERIALS AND LINKS

- [Case Study: Seal of Approval \(ZW Series\)](#)
- [End-user presentation: Waterproof Basics](#)
- [Installation Instructions: Z Series Basic Switches](#)
- [On the S&C web site: ZD Series](#)
- [On the S&C web site: ZW Series](#)
- [MICRO SWITCH™ Snap-Action Switch Line Guide](#)
- [Product Range Guide: Snap-Action Switches, Toggles and Rockers](#)
- [Product Sheet: MICRO SWITCH™ Standard Subminiature Snap-action Z Series – 004954-1-EN](#)
- [Sales Resource: Product Overview](#)
- [Value Prop: Standard Subminiature Snap-Action Z Series](#)
- [White Paper: Basic Switches Are Not Created Equal](#)

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

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.

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:

E-mail: info.sc@honeywell.com

Internet: www.honeywell.com/sensing

Phone and Fax:

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