

## Sales Resource – Product Overview

# MICRO SWITCH™ Z Series Waterproof Subminiature Basics

### Description

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

- **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).

### Features/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

- **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

# MICRO SWITCH™ Z Series Waterproof Subminiature Basics

## Competitors

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

## Contact Information

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](#).

### WARNING

#### MISUSE OF DOCUMENTATION

- The information presented in this document 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](mailto:info.sc@honeywell.com)

**Internet:** [www.honeywell.com/sensing](http://www.honeywell.com/sensing)

### Phone and Fax:

Asia Pacific	+65 6355-2828
	+65 6445-3033 Fax
Europe	+44 (0) 1698 481481
	+44 (0) 1698 481676 Fax
Latin America	+1-305-805-8188
	+1-305-883-8257 Fax
USA/Canada	+1-800-537-6945
	+1-815-235-6847
	+1-815-235-6545 Fax

Sensing and Control  
Honeywell  
1985 Douglas Drive North  
Golden Valley, MN 55422  
[www.honeywell.com](http://www.honeywell.com)

004963-1-EN IL50 GLO Printed in USA  
April 2010  
Copyright © 2010 Honeywell International Inc. All rights reserved.

# Honeywell