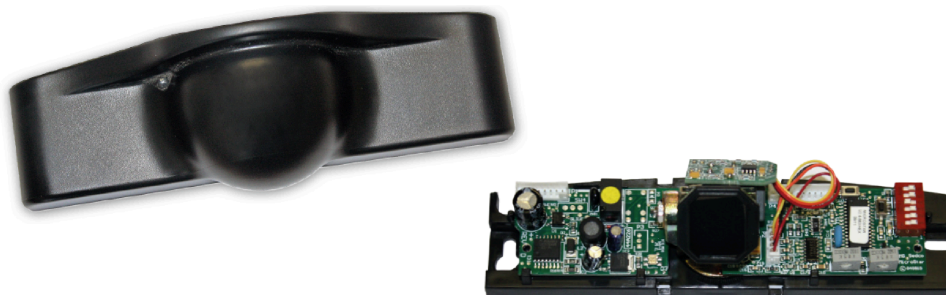


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## Description

**Figure 1: ZPS100 zone presence sensor**



The ZPS100 Zone Presence Sensor, part of the complete fume hood solution, provides economical fume hood usage without compromising safety.

Using its microwave motion sensor, the attached controller is instantly instructed to switch to OCCUPIED mode once an operator is in front of the fume hood. Unattended fume hoods revert to an UNOCCUPIED status after a user-specified number of minutes expire, thereby saving energy.

Highly sensitive and accurate, the ZPS100 is capable of detecting motion down to 1/4" per second. In addition, the ZPS100 can be tailored for any size fume hood. Sensitivity and time delay are also configurable on the ZPS and associated hood controller.

## Features

- Visible LEDs to verify activation
- Adjustments for pattern, sensitivity, and time delay to eliminate false triggers
- Easy to wire and set up
- Automatically switches fume hood's occupancy mode
- Lowers overall fume hood energy consumption
- Narrow and wide pattern detection accommodates most fume hoods

## Technical specifications

Specification	Description
Frequency	24.125 GHz $\pm$ 50 MHz (K-Band)
Detection Method	Initial Detection: Doppler Shift Radar Selectable Additional Detection: Human Presence Radar™ (HPR™)
Detection Pattern	Selectable, wide or narrow
Detection Angle	Adjustable, 21° to 90° $\pm$ 25° left/right
Movement Direction	Switch selectable, unidirectional or bidirectional
Range	Adjustable (range pot.)
Maximum Mounting Height	15 in. (4.5 m)
Power Requirements	12V to 24V AC or DC $\pm$ 10%
Power Consumption	3.5W maximum
Mounting	Flush Mounted Optional Universal Mounting
Temperature	-22°F to 158°F (-30°C to 70°C)
Color	Flat black
Weight	<1 lb. (0.45kg)
Size	6 ½ in. W x 1 7/8 in. H x 2 ¾ in. D 16.5 cm W x 4.8cm H x 7 cm D

## Product warranty

This product is covered by a limited warranty, details of which can be found at [www.johnsoncontrols.com/buildingswarranty](http://www.johnsoncontrols.com/buildingswarranty).

## Software terms

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## Patents

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## Single point of contact

APAC	Europe	NA/SA
JOHNSON CONTROLS C/O CONTROLS PRODUCT MANAGEMENT NO. 32 CHANGJIANG RD NEW DISTRICT WUXI JIANGSU PROVINCE 214028 CHINA	JOHNSON CONTROLS VOLTAWEG 20 6101 XK ECHT THE NETHERLANDS	JOHNSON CONTROLS 507 E MICHIGAN ST MILWAUKEE WI 53202 USA

## Contact information

Contact your local branch office: [www.johnsoncontrols.com/locations](http://www.johnsoncontrols.com/locations)

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