WS4916 Wireless Photoelectric Smoke Detector

Designed to provide reliable smoke or fire detection, the WS4916 is a low-profile wireless photoelectric smoke detector that is ideal for difficult-to-wire residential or commercial applications. The WS4916, compatible with all DSC 433 MHz wireless receivers, features a built-in alarm horn, integral dual-sensor heat detection, automatic drift compensation and an easy-maintenance removable smoke chamber. Long-life lithium batteries provide extended operation without replacement. Precise and quick sensitivity testing of the unit is easily accomplished with the FSD-100 handheld test meter.

Product Features:

- Automatic drift compensation
- Built-in, dual-senor heat detector
- Built-in 85 dB horn
- Local test button
- Low-profile design
- High/Low sensitivity reporting
- Low-battery indication

- Easy-maintenance removable smoke chamber
- Non-contact sensitivity testing with new FSD-100 handheld test meter
- Long-life lithium batteries included
- UL/ULC/EN listed for commercial and residential applications
- Compatible with all DSC 433 MHz wireless receivers

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Easy Installation

The WS4916 is ideal for any residential or commercial applications where running wire to a smoke detector is either difficult or impossible. With no wires to run, installers are able to save time and move more quickly through the installation process. All the WS4916 requires for installation is a screwdriver and any DSC 433 MHz wireless receiver.

False Alarm Reduction

DSC is committed to reducing false alarms and has integrated a number of features into the WS4916 to provide reliable detection. One important feature is drift compensation. It provides a constant level of sensitivity performance for extended operation. As dust accumulates in a detector it adjusts to maintain the original factory-set sensitivity, thereby minimizing the potential for false alarms. If the detector reaches its limit of compensation, it will indicate a trouble condition well before the sensitivity increases to a level where false alarms will be generated.

Non-Contact Sensitivity Testing

Precise and quick sensitivity testing is easily accomplished with DSC's new non-contact FSD-100 handheld test meter. Powered by a standard 9-volt alkaline battery and small enough to fit inside a shirt pocket, the FSD-100 holds 500 readings that can be downloaded to any computer. To initiate a reading, a technician simply holds the FSD-100 near a DSC smoke detector and activates the detector's test button.

Value Added

The WS4916 is built with reliable 433 MHz technology and ships with two long-life lithium batteries (3 V) that are activated by the installer upon purchase.

Ordering Information:
WS4916	Wireless Photoelectric Smoke Detector
FSD-100	Sensitivity Test Meter
FSD-101	Broom Handle Adapter for FSD-100

Compatibility

The WS4916 is compatible with the following receivers:

- RF5501-433 Fixed-Message LCD Keypad with Integrated Wireless Receiver
- PC5132-433 Wireless Receiver Zone Expansion Module
- PC4164-433 433 MHz Wireless Receiver
- RF5108-433 Wireless Key Receiver
- NT9005 Envoy LCD Integrated Wireless Security System

Please refer to the receiver manual for further details.

Specifications

MECHANICAL
Diameter	5.8″ (147 mm)
Height	2.08″ (52.8 mm)
Color	White
Mounting	Surface mount with screws
Bracket	Twist on/off either locking or non-locking

SENSITIVITY
Nominal: 3.0% +/- 0.8% obscuration/ft. (UL)
Nominal: 2.0% +/- 0.5% obscuration/ft. (ULC & EN)

HEAT SENSOR
Alarm: Fixed-temperature 135° F (57.2° C)

ENVIRONMENTAL
Operating Environment	32° to 120° F (0° to 49° C)
Relative Humidity	5% to 93%
RF Immunity	20 Volts/m 0-1000 MHz