5808W3

Photoelectric Smoke/Heat Detector with Built-in Wireless Transmitter

The Honeywell Home 5808W3 is a 3V lithium powered, photoelectronic smoke/heat detector with a built-in wireless transmitter. It is intended for use with any 5800 Series Wireless Receiver/Transceiver for residential installations (for commercial installations, the 5881ENHC or the 5883H receiver is required).

The transmitter can send alarm, tamper, maintenance (when control panels are equipped to process maintenance signals), and battery condition messages to the system's receiver.

Smoothing algorithms minimize nuisance alarms by smoothing out short term spikes from dust and smoke – virtually eliminating nuisance alarms.

Since there are no holes to drill or wires to run, you can preserve the beauty of the building while protecting it. The 5808W3 is an ideal smoke detector for those difficult to wire locations, applications where room aesthetics are critical, or where hazardous materials exist.

All models also feature a restorable, built-in, fixed temperature (135°F) thermal detector that is also capable of sensing a pre-freeze condition if the temperature is below 41°F.

FEATURES AND BENEFITS

- **Improved Robust RF Field Strength**
  The distance between the detector and receiver has been significantly increased without the need for a repeater

- **Smoothing Algorithms**
  Mathematical calculations in the detector's software that minimize nuisance alarms by smoothing out short term spikes from dust and smoke

- **Smart Check**
  A signal is sent to the control panel when the detector requires cleaning. This allows a regular, non-emergency service call to clean the detector before it goes into alarm.

- **Drift Compensation**
  Virtually eliminates nuisance alarms from long-term dust build-up by automatically adjusting the detector's sensitivity

- **Removable Detector Cover and Chamber Top**
  The technician is able to quickly and easily clean the detector chamber without disassembling the detector head

- **Approved UL Listings for Residential and Commercial Applications**
  Both residential and commercial installation requirements are met

- **Additional LED Status Indicators**
  Identifying between alarm or trouble conditions is a snap with green and red LED status indicators. A green LED denotes a normal condition while the red LED indicates abnormal conditions.

- **Easy-to-install Mounting Base**
  The sturdy mounting base allows the detector to be more easily installed on uneven surfaces (i.e. stucco). The mounting base has larger mounting ports, which accommodate drywall anchors for easy surface mounting.

Additional Features:

- Utilizes one long-life 3V lithium battery

- Microcontroller runs on a 4.0 MHz clock

- Horn operates at 3.3 KHz with sound pressure level of 85 dBA at 10 feet

- Built-in wireless transmitter, temporal code 3 sounder

- Maintenance signal fully complies with the sensitivity test requirement specified in NFPA 72, 7-2.2 and is approved by UL

5808W3 Technical Specifications

Dimensions: Diameter: 5.3"*, Height: 2.30"

Weight: 8.5 ounces (without batteries)

Operating Temperature: 32–100°F (0–37.8°C)

Humidity Range: 0% to 95% RH, non-condensing

Air Velocity: 1,000 ft./min. max.

Operating Voltage: 2.5–3.6VDC

Standby Current: 8.5 mA avg.

Alarm Current: 35 mA max.

Power Source: One 3V CR123A lithium Battery†

Audible Output: 85 dB min. at 10 ft.

Fixed Temperature Heat Sensor: 135° F Fixed

Agency Listings: UL268 – Commercial & Residential

* With adapter bracket (4.9" without mounting base)

† Replacement batteries include Duracell DL123A, Sanyo CR123A, Panasonic CR123A, or ADEMCO 466

ACCESSORIES (sold separately)

SENS-RDR INFRARED SENSITIVITY READER

Reduce testing time with the handheld SENS-RDR infrared sensitivity reader. The reader simplifies sensitivity measurements and displays them precisely in terms of percent per foot obscuration. The SENS-RDR eliminates the need for magnets, voltmeters and ladders.

RT REMOVAL TOOL

Simplifies the attachment and removal of the detector head to the mounting base; it may be attached to a threaded extension pole or broom handle thereby eliminating the need for ladders.

ORDERING

5808W3	Photoelectric Smoke/Heat Detector with Built-in Wireless Transmitter
5808W3A	Photoelectric Smoke/Heat Detector with Built-in Wireless Transmitter (Canada)
Accessories sold separately:	
SENS-RDR	Hand-held Sensitivity Reader
RT	i3 Removal Tool used for easy installation and removal of head from base

For more information

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