

5809 Series

Wireless Heat Detectors

Honeywell's 5809 Series wireless fixed heat and rate-of-rise temperature sensors offer expanded fire detection and installation flexibility. They are ideal for hard-to-wire locations and applications that require more than smoke detection. This is a fast and easy install with no wires to run.

Both the 5809FXT and 5809SS contain a built-in fixed temperature sensor, which will signal an alarm if the environmental temperature rises above 135°F. The 5809SS also incorporates an additional rate-of-rise temperature sensor. Fires typically cause a rapid rise in temperature in the surrounding area. The 5809SS's rate-of-rise thermostat senses the rise in temperature and signals an alarm if the increase is 15°F or more per minute. The 5809 Series is UL Listed (UL 521) and CSFM approved for commercial and residential applications.



5809SS



5809FXT

FEATURES

- Contains a built-in transmitter which can send alarm, supervisory and battery condition messages to the system's receiver/control unit
- Powered by a three-volt lithium battery. If the battery voltage gets too low, the 5809 sends a low battery signal to the control panel
- Features a tamper switch, which causes a trouble signal to be sent to the control if the unit is removed from the mounting base
- UL Listed for Commercial (when using 5881EH Receiver) or Residential applications

5809 Series Wireless Heat Detectors

SPECIFICATIONS:

Power:

3V lithium battery (Duracell DL123A, Panasonic CR123A, HUIDERUI CR123A)

Operating temperature: 40° to 135°F (4° to 57°C)

Rate-of-rise temperature: 15°F (8°C) increase per minute (NOTE: Rate-of-rise sensor (5809SS only) does not operate above 38°C)

Fixed temperature: 135°F (57°C)

Maximum spacing: 50 ft x 50 ft UL, 30 ft x 30 ft FM (refer to National Fire Alarm Code Standard NFPA 72 for application requirements)

Dimensions: 4.5" diameter, 2.5" deep for 5809SS and 4.9" diameter, 2.7" deep for 5809FXT

Agency Listings:

UL 521 Listed for Commercial (when using 5881EH Receiver) or Residential applications

Wireless Transmission Path Test:

A good RF transmission path must be established from the proposed mounting location before permanently installing the detector. To determine that there is a good signal reception from the proposed location, perform the test procedure described in the installation instructions procedure.

MOUNTING THE DETECTOR:

You can mount the 5809 Series on a wall or ceiling within the protection area:

Wall mounting: Mount the detector 4" to 6" from the ceiling

Ceiling mounting: Mount the detector at least 4" from any wall. Make sure the normal ceiling temperature will not exceed 100°F (37.8°C).

Refer to NFPA Standard 72 for detector spacing and other requirements. Maximum spacing for UL installations is 50' x 50'

Avoid mounting the detector near heat generating devices (e.g. ovens, heat vents, furnaces, boilers)

IMPORTANT: Heat detectors should be used for property protection. Reliance should not be placed on heat detectors for life safety. Detectors must not be painted.

TESTING THE DETECTOR:

The test procedure should be performed to determine a good RF transmission path and again after installation is completed.

CAUTION: The fixed temperature sensor is intended for one-time use. Prolonged heat during testing can damage the unit. If used carefully following the instructions described below, the heat from a portable hair dryer can be used to test the unit. If the round disk on top of the detector detaches, the detector must be replaced.

Activate the control panel's test mode

Use either method (a) or (b) to activate the detector

(a) Press and release the activation button on the PC board assembly

OR

(b) Holding a portable hair dryer about 12 to 18 inches away from the detector, turn the dryer on and aim the warm air at the side of the detector.

CAUTION: Aiming the dryer directly at the round disk on the detector can damage the unit.

The system's keypad should beep and the detector's ID should be displayed

Exit the control's test mode

FCC ID: CF58DL5809XT

This device complies with part 15 of FCC rules.

Operation is subject to the following conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

ORDERING

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|---------|--------------------------------------|
| 5809SS | Fixed Heat and Rate-of-Rise Detector |
| 5809FXT | Fixed Heat Detector |

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