Ⓝ **NOTIFIER®**

by Honeywell

FWH-200FIX135AUS
Wireless Intelligent Temperature Sensor

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www.notifier.com.au

SPECIFICATIONS

Maximum Operating Voltage:	3.3 VDC
Maximum Standby Current:	210µA
LED Current:	10 mA
Maximum Transmit RF Power:	17dBm
Radio Frequency Range:	915-928 MHz
Operating Humidity Range:	10% to 93% Relative Humidity, Non-condensing
Operating Temperature Range:	14°F to 120°F (-10°C to 49°C)
Fixed Temperature Rating:	135°F (57°C)
Battery Type:	4 Panasonic CR123A or 4 Duracell DL123A
Battery Life:	2 year minimum
Battery Replacement:	Upon TROUBLE BATTERY LOW display and/or during annual maintenance
Height:	2.4˝ (6.1 cm) installed in B501W Base
Diameter:	4.0˝ (10.2 cm) installed in B501W Base
Weight:	8.1 oz. (230 g) installed in B501W base with 4 batteries

This sensor must be installed in compliance with the control panel system installation manual and the SLC Wireless Gateway Manual. The installation must meet the requirements of the Authority Having Jurisdiction (AHJ).

GENERAL DESCRIPTION

Model FWH-200FIX135AUS is an intelligent sensor that uses a state-of-the-art thermistor sensing circuit for fast response. Model FWH-200FIX135AUS is a fixed temperature sensor with 135°F (57°C) fixed temperature alarm. Rotary switches are provided for setting the sensor's address. (Figure 1). Two LEDs on the sensor are controlled by the panel to indicate sensor status.

Notifier panels offer different features sets across different models. As a result, certain features of the FWH-200FIX135AUS may be available on some control panels, but not on others. The possible features available in the FWH-200FIX-135AUS, if supported by the control panel are:

• The panel controls the LED operation on the sensor. Operational modes include red, green and amber colors in various solid or blink patterns.

Please refer to the operation manual for the control panel for specific operation of the FWH-200FIX135AUS.
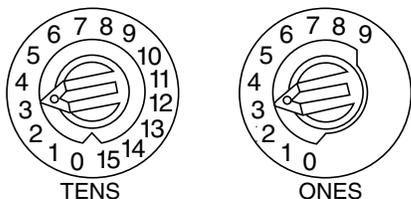
The FWH-200FIX135AUS requires compatible addressable communications to function properly. Connect these sensors to listed-compatible control panels only.

SPACING

Wireless technologies can exhibit communication disruption if devices are spaced too close together. To avoid this form of disruption, SWIFT devices should not be placed closer than 2 feet (60 cm) apart without an intervening structure.

NOTE: Do not attach the base and detectors to temporary structures such as removable ceiling tiles such that the placement could be altered. To prevent changes in device placement, permanently secure the structure or mount the detector across the ceiling panel support as shown in Figure 2.

BATTERY REPLACEMENT

Low battery levels on the wireless devices are displayed as a trouble on the FACP. Therefore when the message "TROUBLE BATTERY LOW" is displayed, replace the battery in the device. This message is an indication that approximately one week of battery life remains. During annual maintenance it is recommended to check the battery life using SWIFT Tools.

To replace the batteries in a wireless device use the following steps:

1. Have 4 CR123A (or DL123A) batteries available.
2. Remove the detector from the base.
3. Open the battery compartment refer to Figure 3. Note: The battery compartment cover may be left attached at the hinges during battery replacement.
4. Remove the used batteries and replace with new batteries. The battery compartment indicates the correct orientation of the batteries. Carefully align the batteries with these markings and do not force them into place.
5. Replace the battery compartment cover.
6. Return the device to its original location.

⚠CAUTION

Dust covers provide limited protection against airborne dust particles during shipping. Dust covers must be removed before the sensors can sense smoke. Remove sensors prior to heavy remodeling or construction.

FIGURE 2. CEILING PANEL SUPPORT:

C2015-00

FIGURE 1. ROTARY ADDRESS SWITCHES:

TENS   ONES
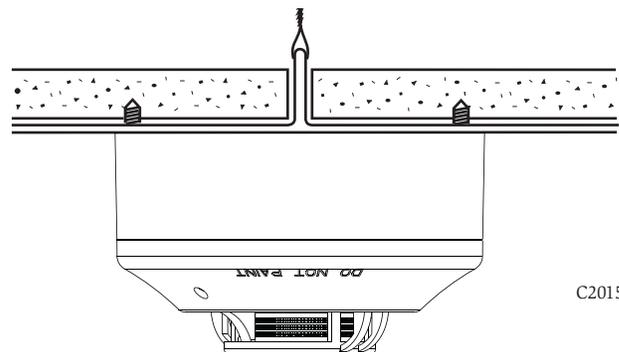
C0162-00

TAMPER RESISTANCE

Model FWH-200FIX135AUS includes a tamper-resistant capability that prevents their removal from the base without the use of a tool. Refer to the base manual for details on making use of this capability. The base also includes a magnet for tamper resistance. The magnet activates a supervisory tamper fault at the panel if the detector is removed from the base.

TESTING

Before testing, notify the proper authorities that the system is undergoing maintenance, and will temporarily be out of service. Disable the system to prevent unwanted alarms.

All sensors must be tested after installation and periodically thereafter. Testing methods must satisfy the Authority Having Jurisdiction (AHJ).

The sensor can be tested in the following ways:

A. **Functional: Magnet Test (P/N M02-04-01 or M02-09-00)**
    1. Place the optional test magnet against the cover in the magnet test area, as shown in Figure 4, to activate the test feature.
    2. The LEDs should latch on within 10 seconds, indicating alarm and annunciating the panel.
    3. Reset the detector at the system control panel.

B. **Direct Heat Method (Hair dryer of 1000 – 1500 watts).**
    1. From the side of the detector, direct the heat toward the sensor. Hold the heat source about 6 inches (15 cm) away to prevent damage to the cover during testing.
    2. The LEDs on the detector should light when the temperature at the detector reaches the alarm setpoint. If the LEDs fail to light, check the power to the detector and the wiring in the detector base.
    3. Reset the detector at the system control panel.

A sensor that fails any of these tests should be cleaned as described under CLEANING, and retested. If the sensor fails after cleaning, it must be replaced and returned for repair.

When testing is complete, restore the system to normal operation and notify the proper authorities that the system is back in operation.

CLEANING

Before removing the detector, notify the proper authorities that the smoke detector system is undergoing maintenance and will be temporarily out of service.

Disable the zone or system undergoing maintenance to prevent unwanted alarms.

It is recommended that the sensor be removed from its mounting base for easier cleaning and that sensors be cleaned at least once a year. Use a vacuum cleaner to remove dust from the sensing chamber (Figure 5).

SPECIAL NOTE REGARDING SMOKE DETECTOR GUARDS

Smoke detectors are not to be used with detector guards unless the combination has been evaluated and found suitable for that purpose.

APPLICABLE STANDARDS
- AS ISO 7240.25:2015
- FWH-200FIX135AUS : AS 7240.5-2004 (CLASS A2S)
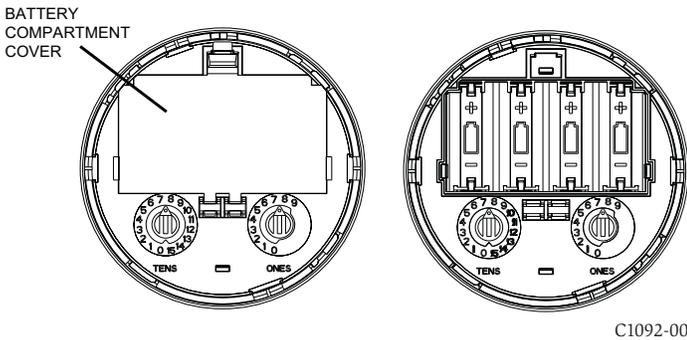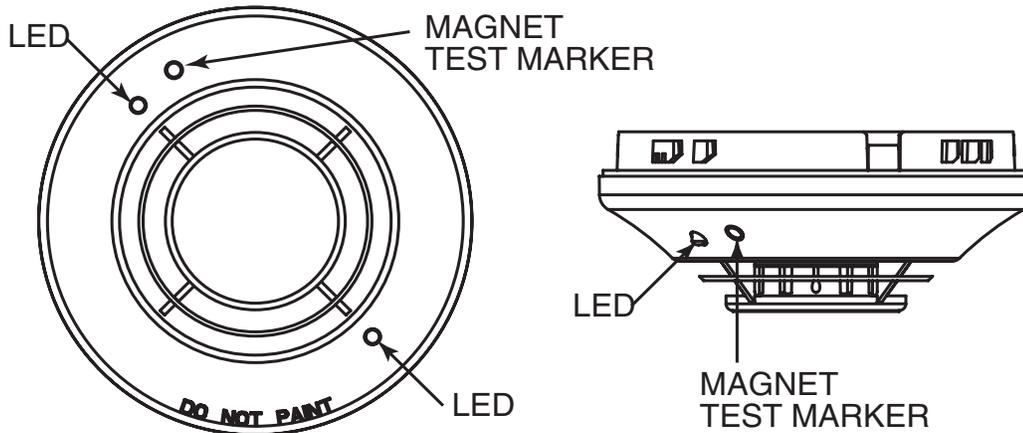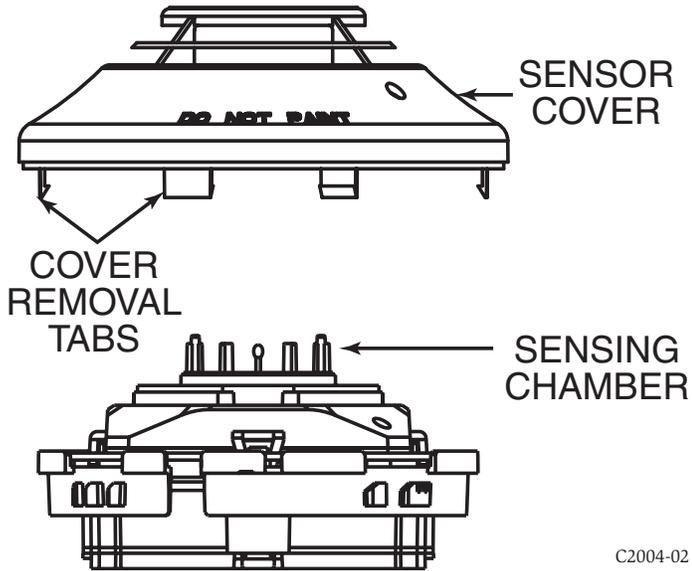
FIGURE 3. BATTERY COMPARTMENT:

C1092-00

FIGURE 4. MAGNET TEST MARKERS:

C0196-00

FIGURE 5. DETECTOR COMPONENTS:

FWH-200FIX135AUS

SENSOR
COVER

COVER
REMOVAL
TABS

SENSING
CHAMBER

C2004-02

Lic. SMK40640/2

Please refer to insert for the Limitations of Fire Alarm Systems

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