

## Installation Manual & Users Guide

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### SPECIFICATIONS

Frequency: 345MHz

3Vdc lithium CR123A (1550 mAh)

Battery life: 5 years

Detection distance: 6 in max

Operating Temperature: 32°-120°F (0°-49°C) Battery: One

Operating Humidity: 5-95% RH non condensing

Compatible with 2GIG and Honeywell receivers

Supervisory signal interval: 64 min(approx.)

Maximum current draw: 23mA during transmission

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### OPERATION

The FireFighter™ sensor is designed to listen to any smoke, carbon or combo detector. Once confirmed as an alarm, it will transmit a signal to the alarm control panel which if connected to a central monitoring station, will dispatch the fire department.

**WARNING:** This audio detector is intended only for use with smoke, carbon and combo detectors but it does not detect the presence of smoke, heat, Carbon Monoxide or fire directly.

### ENROLLING (see IMAGE: 1)

To enroll the sensor, set your panel into program mode. Refer to your specific alarm panel instruction manual for details on these menus. For control panels with an automatic learn feature press and release the switch located in the center of the circuit board next to the tamper switch. Do not use the tamper switch to enroll the device

- To enroll for fire signal detection, press and release the learn button. Repeat as required. This uses Loop 1 of the serial number printed on the device. Program the panel zone type as either "FIRE" (type 09) or "FIRE WITH VERIFICATION" (type 16).
- To enroll for Carbon Monoxide detection, press and hold the learn button for 2s. Repeat as required. This uses Loop 1 of the serial number plus one. Program the panel zone type as "Carbon Monoxide" (type 14).

Alternatively, the serial number can be manually entered into the panel. The number printed on the device is the serial number for the smoke detection portion, whereas for the CO portion, you simply add one. For example if the serial number is 034 5748. That is the number for the smoke, for CO the serial number would be 034 5749. The equipment code to use for 2GIG panels is "0637".

### MOUNTING (see IMAGE: 2 & 3)

Included with this device is a mounting bracket, hardware and double sided tape. To ensure proper operation ensure the side of the device with the small holes is directly facing the sounder holes on the smoke detector. Secure the mounting bracket to the wall or ceiling using the two mounting screws and double sided tape provided, then secure the audio detector to the mounting bracket using the small screw provided. **The FireFighter™ must be mounting within 6 inches of the detector for optimal operation.**

**WARNING:** Non-interconnected smoke detectors require an audio detector by each smoke detector sounder.

This equipment should be installed in accordance with Chapter 2 of the National Fire Alarm Code, ANSI/NFPA 72, (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269). Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment. Warning: Owner's instruction notice: 'Not to be removed by anyone except occupant'.

### TESTING (see IMAGE: 1)

During the first hour after power up, the FireFighter™ is in a test mode. This allows you to use the test button on the Smoke, CO or Combo unit to test the system. After the hour window, the FireFighter™ requires at least two valid patterns from the detector to validate the alarm, which may not be possible via the detector test button. To test the audio detection, press and hold the smoke detector test button. If you are using zone type 16 (Fire with Verification) you must press and hold the smoke detector button for at least 30 seconds to ensure that FireFighter™ has had sufficient time to identify the smoke alarm pattern and lock into alarm. For combo units, the detector will typically sound the smoke temporal, then the CO temporal pattern. In test mode the FireFighter™ will detect both and send two transmission to the panel.

Ensure the FireFighter™ cover is on and that you wear hearing protection.

\*\*\*\*\* It is possible that the sensor can hear other smoke detectors in close proximity so it is important to choose and to install the sensor close to a detector that is relatively isolated from other detectors. If that is not possible, the sensor will still function it will however take longer to register and transmit to the panel. Smoke detectors to avoid are typically ones mounted in hallways outside of bedrooms that will also have additional smoke detectors.

**NOTE:** This system must be checked by a qualified technician at least once every three (3) years. Please test the unit once per week to ensure proper functionality.

### Legacy Smoke Detectors

All Smoke detector should be replaced after 10 years. If you encounter a smoke detector that does not support Temporal 3 pattern, that smoke detector should be replaced as per the manufacturer recommendation.

If replacement is not an option the FireFighter can be programed to detect non-temporal detectors\_

**\*\* In this mode, the sensor must not be located near any other audible device, like the security keypad or sounder. Those can be misconstrued as a valid smoke alarm.** To enter this mode press and hold the tamper button while inserting the battery. Release the tamper switch and note the LED

ONE flash: Only a Temporal 3 and 4 signal will trigger an alarm (Default)

TWO flashes: Generic listening mode. (Will trigger after 30 seconds of continuous sound)

You can verify the mode the device is in by simply removing the battery and replacing it. The LED will flash once or twice depending on the mode it is in. Repeat the steps above to change the mode as required.

## REPLACING THE BATTERY

When the battery is low a signal will be sent to the control panel. To replace the battery:

1. Remove the top cover to reveal the battery. This will send a tamper signal to the control panel.
2. Replace with a Panasonic CR123A battery ensuring the + side of the battery faces as indicated on the device.
3. Re-attach the cover, you should hear a click when the cover engages properly.

**WARNING:** While the audio detector monitors its own battery, it does not monitor the battery in the smoke detectors. Batteries should be changed as per the original smoke detector manufacturer's instructions. Always test the audio detector and smoke alarms after battery installation to confirm proper operation

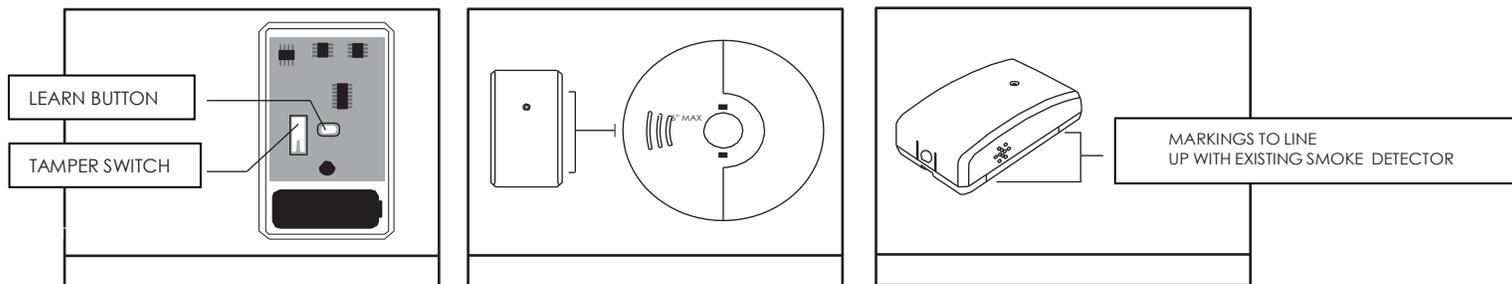


IMAGE 1: ENROLLING / TEST / TAMPER BUTTON

IMAGE 2: INSTALLATION DISTANCE

IMAGE 3: SIDE MARKINGS

## FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment to an outlet on a different circuit from the receiver
- Consult the dealer or an experienced radio/TV contractor for help.

**WARNING:** Changes or modifications not expressly approved by Encore Controls could void the user's authority to operate the equipment.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC ID: XQC-WST601 IC:11455A-ECFF345

## WARRANTY

Encore Controls warrants that for a period of 2 years from the date of purchase that this product is free from defects in material and workmanship. This warranty does not apply to damage caused by shipping or handling, or damage caused by accident, abuse, misuse, misapplication, ordinary wear, improper maintenance, failure to follow instructions or as a result of any unauthorized modifications. If there is a defect in materials and workmanship under normal use within the warranty period Encore Controls shall, at its option, repair or replace the defective equipment upon return of the equipment to the original point of purchase. The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed

or implied and of all other obligations or liabilities on the part of Encore Controls neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product. The maximum liability for Encore Controls under all circumstances for any warranty issue shall be limited to a replacement of the defective product. It is recommended that the customer check their equipment on a regular basis for proper operation.

THE LIABILITY OF ENCORE CONTROLS, OR ANY OF ITS PARENT OR SUBSIDIARY CORPORATIONS ARISING FROM THE SALE OF THIS SMOKE ALARM DETECTOR OR UNDER THE TERMS OF THIS LIMITED WARRANTY SHALL NOT IN ANY CASE EXCEED THE COST OF REPLACEMENT OF A SMOKE ALARM DETECTOR AND, IN NO CASE, SHALL ENCORE CONTROLS, OR ANY OF ITS PARENT OR SUBSIDIARY CORPORATIONS BE LIABLE FOR CONSEQUENTIAL LOSSES OR DAMAGES RESULTING FROM THE FAILURE OF THE SMOKE ALARM DETECTOR OR FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE COMPANY'S NEGLIGENCE OR FAULT.

The Firefighter™ detector does not detect the presence of smoke, heat, or fire directly. It relies solely on the presence of an audio alarm signal generated by an existing smoke or fire detector in proximity to the Firefighter™ detector to make such a determination. The Firefighter™ detector must be used with smoke detectors certified according to UL Standards, and in strict accordance with the installation and operation instructions provided with such detectors. It is the owner's responsibility to ensure that smoke or fire detectors used in conjunction with the Firefighter™ detector are maintained and tested on a regular basis in accordance with the manufacturer's instructions. Encore Controls expressly disclaims any responsibility for the failure of the Firefighter™ detector to detect the presence of smoke or fire due to the failure of any smoke or fire detector used in conjunction with the Firefighter™ detector to operate properly due to any condition, including improper installation, operation, maintenance or testing of such smoke or fire detector.

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