

SMART HOME MONITORING



# Smoke/Fire Sensor

Manufacturer's Installation Guide

# Choosing an Installation Location

When installing the Smoke & Fire Sensor, choose a location:

- › Where the temperature range is between 40° and 100° F (4.4° and 37.8° C).
- › Where the humidity is between 0 and 90% noncondensing.
- › Away from ventilation sources that can prevent smoke from reaching the smoke detector.
- › That is at least 5 feet (1.5 m) from bathrooms.

When placing the Smoke & Fire Sensor on a ceiling, mount it in the center of the room or hallway, at least 4 inches (10cm) away from any walls or partitions.

When mounting the Smoke & Fire Sensor on a wall, place it so the top is 4 to 12 inches (10 to 31cm) below the ceiling.

In rooms with sloped, peaked, or gabled ceilings, place the Smoke & Fire Sensor 3 feet (.9 m) down or away from the highest point of the ceiling.

If mounting to suspended ceiling tile, secure the tile with the appropriate fastener to prevent tile removal.

**Note:** The Smoke & Fire Sensor does not provide warnings for fires resulting from explosions, smoking in bed, or other furniture; ignition of flammable liquids, vapors and gasses; and children playing with matches or lighters.

### Locations to Avoid

- › Areas where normal ambient temperature exceeds 100° F (37.8° C).
- › Dirty, dusty, insect infested areas.
- › In or near areas with combustion particles (kitchens, garages, furnaces, hot-water heaters, gas space heaters).
- › On the ceiling in rooms next to kitchens, where there is no transom between the kitchen and such rooms.
- › Damp or humid areas, or near bathrooms with showers.
- › Near fresh-air inlets or returns or very drafty areas.
- › Near heating/air conditioning vents, fans, and fresh air intakes, which can drive smoke away from the Smoke & Fire Sensor.
- › In dead-air spaces at the top of peaked ceilings or in corners where walls and ceiling meet. Dead air can prevent smoke from reaching a smoke alarm/detector.
- › Within 10 feet (3 m) of fluorescent light fixtures.

# Installation

1. Test communications between the system and Smoke & Fire Sensor before permanently mounting the Smoke & Fire Sensor as follows:
  - › Hold the Smoke & Fire Sensor where you plan to install it.
  - › Press the Smoke & Fire Sensor test button for 8-to-10 seconds. The Smoke & Fire Sensor sends a signal to the system.
  - › At the control panel, verify the signal was received and RF signal strength is adequate. If no signal is received or the RF signal is low, relocate the smoke detector and retest.
2. Using two supplied screws and anchors, mount the base.
3. Attach the Smoke & Fire Sensor to the mounting base as follows:
  - › Line up the raised alignment tab on the lip of the Smoke & Fire Sensor with the arrow on the mounting base.
  - › Insert the Smoke & Fire Sensor into the base and turn clockwise about 15 degrees until it snaps into place.
  - › **Note:** The Smoke & Fire Sensor cannot be attached to the mounting base if no batteries are installed.
4. Test communications between the system and Smoke & Fire Sensor again:
  - › Press the Test button on the alarm for 8-to-10 seconds. The Smoke & Fire Sensor sends a signal to the system.
  - › Verify that the signal at the control panel was received.

# Removing Smoke Sensor

To remove the smoke detector from the mounting base:

1. Hold the Smoke & Fire Sensor.
2. Turn it counterclockwise approximately 15 degrees. The Smoke & Fire Sensor snaps off from the mounting base.