

## Rate of Rise Sensor (continued)

### Testing the Rate of Rise Sensor

Because your tattletale base unit does not need to be armed to send alarm signals from fire sensors, testing your Rate of Rise Sensor can cause the Fire Department to be deployed.

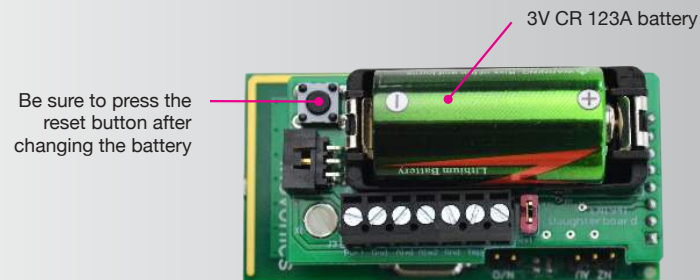
**To avoid this situation, please call 1-888-835-5668 or use the test drive function to put your account on test, and to be guided through the process of testing your Rate of Rise Sensor by a technical services representative.**

**The Rate of Rise Sensor is subject to reduced sensitivity over time. Annual testing of the sensor is recommended.**

### Follow these steps to change the battery:

1. Call 1-888-835-5668 or use test drive function to put your account on test to avoid accidental dispatch of the Fire Department.
2. Take the sensor down from the ceiling.
3. Remove and set aside the six screws securing the back plate. Remove the back plate.
4. Locate and replace the CR123A 3V battery. Be sure to orient the battery so that the positive (+) and negative (-) ends of the battery line up with the markings inside the battery housing.
6. Press the black RESET button (Fig. 1).
8. Mount the sensor, then call 1-888-835-5668 or use the test drive function to take your account off of test.

Fig. 1 (transmitter)



## Rate of Rise Sensor

### GENERAL INFORMATION

The Rate of Rise Sensor can be placed up to 2000 feet away from the tattletale™ base unit depending on structures and objects in-between the sensor and the tattletale. A temperature increase of 15°F or more per minute activates the rate-of-rise feature and transmits an alarm to the tattletale. Additionally, if the ambient temperature rises above 194°F, the fixed temperature element will activate, the center disk will fall free from the sensor, and will transmit an alarm to the tattletale. It can effectively detect change of heat in an area up to 2,500 ft. It will operate at temperatures from -22°F to 150°F. The 3V CR123A battery included with the Rate of Rise Sensor will typically last 2-3 years.



### General Troubleshooting

1. When there is an issue with your Rate of Rise sensor (or one of your other sensors), the tattletale base unit will display a message on its screen which says either **“Sensor Open”** or **“Other Issues.”** If you see either of these messages displayed, press 3 on the keypad, then enter your 4-digit PIN to get more information about what is going on with the sensor.
2. If the Rate of Rise Sensor’s status is **“LOST,”** verify that it is within range of the tattletale base unit and that the sensor has a working battery in the transmitter. If that doesn’t return it to normal status a tattletale signal booster might be needed.
3. If the Rate of Rise Sensor’s status is **“LOW BATTERY,”** replace the CR123A battery in its transmitter and press the black RESET button.

**If the Rate of Rise Sensor was exposed to temperatures above 194°F and the sensor is constantly reporting open, it will need to be sent to tattletale for repair/replacement.**

### IMPORTANT:

**YOUR tattletale™ BASE UNIT DOES NOT NEED TO BE ARMED TO SEND AN ALARM FROM ANY FIRE SENSORS, INCLUDING YOUR RATE OF RISE SENSOR. PLEASE CALL 1-888-835-5668 OR USE TEST DRIVE FUNCTION TO PLACE YOUR ACCOUNT ON TEST BEFORE TESTING OR SERVICING YOUR RATE OF RISE SENSOR IN ANY WAY. FAILURE TO DO SO CAN CAUSE DEPLOYMENT OF THE FIRE DEPARTMENT.**



# Rate of Rise Sensor (continued)

## Mounting instructions:

Use the mounting tabs on the box (screws not provided) OR the included Dual Lock adhesive strips to attach the Rate of Rise Sensor to the ceiling. The best location for the sensor is at a high point where heat will build. The recommended mounting height is 10ft. The first sensor near a wall should be placed no more than 25ft away from the wall, additional sensors away from the wall can be spaced at 50ft (see fig.1)

Sensors should be mounted no less than 4" from any corner and no more than 12" from ceiling (see fig. 2)

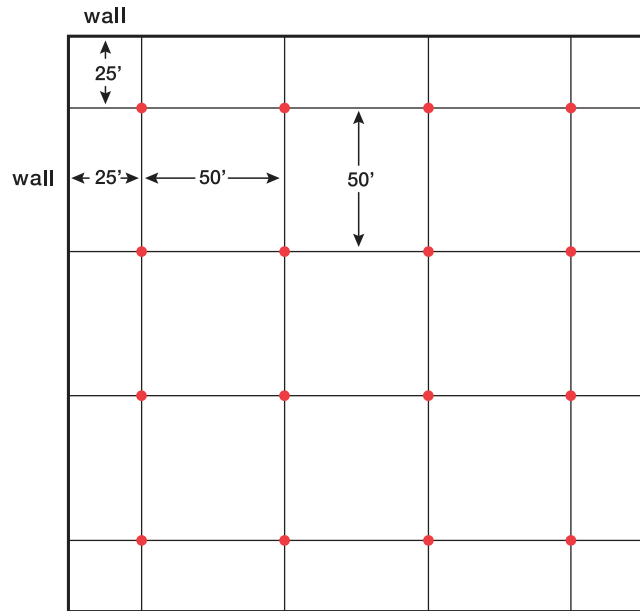
Mounting is possible above the height of 10ft but spacing between sensors and walls will decrease with additional height. (see fig. 3) or contact tattletale for specific mounting instructions).

When mounting sensors on ceilings with exposed joist always mount sensors below, not between joist. (see fig.4)

**(fig. 1)**

### Multiple rate of rise sensor spacing

(spacing diagram is based on a 10' mounting height)



**NOTE:** Do not mount sensors where they can be directly exposed to rain or snow.

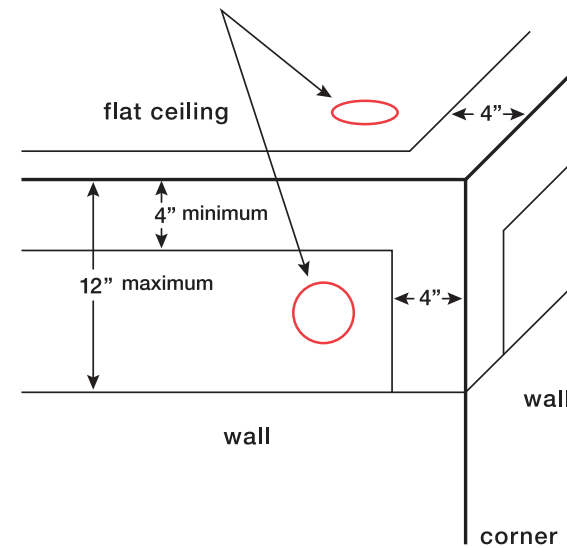
Do not mount sensors in the direct path of hot or cold air flow.

These conditions can cause alarm events and/or adversely affect the sensor's sensitivity.

**(fig. 2)**

### Safe mounting placement of rate of rise sensors

(minimum and maximum distances from ceilings and corners)



**(fig. 3)**

### Sensor spacing decreases as mounting height increases

ceiling height	sensor spacing
0 to 10'	50'
10' to 12'	46'
12' to 14'	42'
14' to 16'	39'
16' to 18'	36'
18' to 20'	32'
20' to 22'	29'
22' to 24'	26'
24' to 26'	23'
26' to 28'	20'
28' to 30'	17'

**(fig. 4)**

### Mounting placement on ceilings with exposed joist

