

RFHT-A Wireless heat detector

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Invented for life



- ▶ Fixed temperature and rate-of-rise heat sensor
- ▶ Built-in sounder and LED indicator for immediate notification
- ▶ Supervision alerts for sensor health, low battery, and tamper conditions
- ▶ Low current draw for up to 10 years battery life

RADION heat is a wireless detector that continuously senses high and fast rising temperatures caused by fire. Ideal for living areas, such as kitchens and garages.

System overview

RADION Life Safety

RADION Life Safety offer a complete portfolio for wireless smoke, heat and CO detectors, with excellent RF range, scalability and exceptional battery life required to ensure reliable performance and superior quality. Alarm signals are transmitted to the wireless receiver connected to the control panel. Multiple-device enrollment options and advanced diagnostics make installation and maintenance simple and cost-effective.

Wireless smoke, heat and CO detection

The three-detector portfolio offers an excellent solution for protecting people and property from fire and poisonous carbon monoxide gas.

Functions

Thermistor sensing technology

The fast-response thermistor senses high and fast rising temperature conditions caused by fire, making it ideal for kitchens and garages, where there is normally some level of smoke or dust, and where smoke alarms may be subjected to unwanted nuisance alarms.

Built-in audible alarm

RADION heat built-in audible alarm sounds at a minimum sound output of 85 dBA at 3 m when high or fast rising temperatures are detected. The alarm automatically resets and silences, when the alarm condition goes away.

LED indicators for alarm, low battery and sensor malfunction

When high or fast rising temperatures are detected, the LED flashes and the alarm sounds. When the battery is low or there is a sensor malfunction the LED flashes, the alarm beeps and a message is sent to the receiver connected to the control panel.

Large user-friendly test button

The large ergonomic test button allows for frequent testing of the sensor, electronics, battery and alarm. The button is large and concave making it easy to reach out of the way installations with a pole or broom stick, often avoiding the need for ladders or lifts.

Tamper detection and notification

The tamper switch detects removal of the detector from its base. When the sensor head is removed, a signal is sent to the control panel via the receiver. The detector also provides an optional means to prevent tampering by requiring a tool to remove the detector from the mounting base.

Compatibility

Control panel	Receiver
G Series: B9512G/B8512G B Series: B6512/B5512/B4512/B3512 GV4 Series: D9412GV4/D7412GV4 v2.00 or higher	B810 wireless SDI2 bus interface

Certifications and approvals

Region	Regulatory compliance/quality marks	
USA	UL	UL 521 – Heat Detectors for Fire Protective Signaling Systems
	FCC	T3X-EIHTSD
Canada	IC	1249A-EIHTSD

Installation/configuration notes

Indoor use.

The detector has a twist-on mounting plate with multiple mounting points for easier installation. The batteries are pre-installed with a pull tab, for easier and faster installation.

Parts included

Quantity	Component
1	detector with installed radio module and batteries
2	mounting screws
2	wall anchors

Technical specifications

Electrical

Battery type	Panasonic 3V CR123A (2x)
Typical battery life (years)	up to 10
Frequency (MHz)	433.42

Mechanical

Dimensions (Ø x D)	115 mm x 59 mm (4.5 in x 2.3 in)
Weight	205 g (0.45 lb)

Environmental

Minimum operating temperature* (°C / °F)	4.4 °C (+40 °F)
Maximum operating temperature* (°C / °F)	+55 °C (+131 °F)
Minimum storage temperature* (°C / °F)	-10 °C (+14 °F)
Maximum storage temperature* (°C / °F)	+40 °C (+104 °F)
Operating and storage relative humidity* (%)	0 - 93 % (non-condensing)
Minimum alarm sound	85dBA at 3 m (10 feet)

*Normal operating and storage conditions. Product will perform outside this range as described in applicable regulatory standards, however extended exposure to outside this range may affect product life.

Heat Alarm

Fixed (°C / °F)	+57 °C +/- 2 °C (+135 °F +/- 4 °F)
Rate-of-rise (°C / °F)	8.3 °C > +40 °C (15 °F > +104 °F)

Ordering information

RFHT-A Wireless heat detector

Dual fixed/rate-of-rise heat detector. For use in North and South America.

Order number **RFHT-A**

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