

Rate-of-Rise Heat Detector

Wireless, Compact Design

- Wireless, compact design; 2.25" Dia. x 1.5" High.
- Detects rising room temperature, an improved indicator of fire.
- Patented design.
- Easy to install, easy to enroll.
- Tamper switch.
- Wireless Rate-Of-Rise detectors built with MaxOut™ Technology for maximum Radio Frequency (RF) security detector reliability. MaxOut high performance sensors deliver the maximum FCC allowable output for maximum signal strength and range.
- UL 521 - Heat detectors for Fire and Protective Signaling Systems.
UL 985 - Household Fire Warning Systems Units.
- CAN/ULC-S530 Heat Actuated Fire Detectors for Fire Alarm Systems.
CSFM Category 7270
- Sensor Options:
 - 319.5 MHz, 135°F or 200°F
 - 345 MHz, 135°F or 200°F
 - Hard-Wire

The **RF-ROR** (Radio Frequency Rate-of-Rise) series of wireless heat detectors use electronic processing to detect rising heat, an indicator of fire with on-board wireless transmitter.

The micro-processor trips the transmitter when the temperature at the detector location reaches a fixed temperature of 135°F (57°C) or 200°F (93°C), depending on the model installed, or senses a rate of rise at 12°F to 15°F **per minute** (6.7 to 8.3°C).



Specifications

Rate of Rise Rating:	12° to 15°F per minute (6.7° to 8.3C)
Operating Temperature:	135°F (57°C): 32 - 100°F (0 - 37°C) 194°F (90°C): 32 - 150°F (0 - 66°C)
UL Max. Ambient Ceiling:	100°F/150°F (37.8°C / 65.6°C)
Storage Temperature:	-30 to 167°F (-34 to 75°C)
Relative Humidity:	0 to 95% noncondensing
Maximum UL Spacing:	50ft (15.2m) x 50ft (15.2m)
Frequencies:	319.5 MHz (crystal-controlled) or 345 MHz (crystal-controlled)
Expected Battery Life:	10 years
Stand-By Current:	Less than 0.9 µA
Supervision Interval:	62-68 minutes
Dimensions:	Diameter: 2.29" (58.25mm), Height: 1.28" (32.4mm)
Regulatory:	UL 521 Heat Detectors for Fire Protective Signaling Systems UL 985 Household Fire Warning System Units CAN/ULC-S530 Heat Actuated Fire Detectors for Fire Alarm Systems CSFM Category 7270 FCC: 15.109 Class B, 15.231 Industry Canada: ICES-003, RSS-210

Product Ordering

- **RF-ROR-135-319-NN** Wireless, 319.5 MHz, 135°F (57°C).
- **RF-ROR-135-345-NN** Wireless, 345 MHz, 135°F (57°C).
- **RF-ROR-200-319-NN** Wireless, 319.5 MHz, 200°F (93°C).
- **RF-ROR-200-345-NN** Wireless, 345 MHz, 200°F (93°C)
- **HD-4WDT-NN** Hard Wire, 135°F (57°C) or 200°F (93°C)