

Wireless Rate-of-Rise Heat Sensor

HDX Series

OVERVIEW

The HDX Series Rate-of-Rise and Fixed-Temperature Sensors from Interlogix® offer an effective fire safety solution for environments with high likelihood of rapid fire development, like a kitchen or utility room, or where optical smoke detectors cannot function effectively due to high dust conditions, like in a laundry room, garage or attic. These sensors are designed to monitor the room temperature and activate an alarm if the temperature gets too high or rises rapidly. A model is available that also activates a separate freeze alarm if the temperature drops below a specified point.

HDX Series sensors use electronic processing to detect both heat and freeze conditions using a learn mode wireless transmitter. The micro-processor trips the transmitter when the temperature at the sensor location reaches a fixed temperature of 135°F (57°C), 200°F (94°C) or 41°F (5°C), depending on the model installed. The sensor will also be activated if the temperature increases at a rate equal to or higher than 12°F (6.7°C) per minute. If activated, all three elements (rate-of-rise, fixed temperature, freeze) of the HDX Series sensors are self-restoring when the alarm condition has been removed.

Specifications

Rate-of-Rise Rating	12° to 15°F (6.7° to 8.3°C)
Operating Temperature	135°F (57°C): 32°-100°F (0-37°C) 200°F (94°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
Battery Type	CR123A
Estimated Battery Life	10 years, typical
Frequency	319.5 MHz (crystal-controlled)
Supervision Interval	62-68 minutes
Freeze Alarm Trip	41°F (5°C)
Freeze Alarm Restore	50°F (10°C)
Maximum UL Spacing	50 x 50 ft. (15.2 x 15.2m)
Operating Humidity	0-95% noncondensing
Weight	4.0 oz.
Dimensions	Diameter: 2.29 in. (58.25mm) Height: 1.28 in. (32.4mm)
Color	White
Regulatory	UL521, UL985, CAN/ULC-S530, CSFM, FCC, IC



STANDARD FEATURES

- Works with Interlogix Learn Mode Panels: Simon® XT, Simon XT1, Simon XT1-5, NetworX (NX-4, NX-6, NX-8, NX-8E), Concord® 4, Concord Express, Advisor®One and UltraSync™
- Ideal for environments with high dust or likelihood of rapid fire development
- Capable of detecting multiple heat events
- Two sensors in one – independent serial numbers for simultaneous use as a heat/rate-of-rise and freeze sensor
- Sensor output test via magnet introduction
- Mounting bracket included
- 3-year warranty

Ordering Information

HDX-135	Wireless 135°F (57°C) Rate-of-Rise Heat Sensor
HDX-200	Wireless 200°F (93°C) Rate-of-Rise Heat Sensor
HDX-135Z	Wireless 135°F (57°C) Rate-of-Rise Heat and Freeze Sensor

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