Wireless Smoke Detector with Heat and Freeze Sensor

SDX-135Z

OVERVIEW

The Interlogix® SDX-135Z photoelectric smoke detector with heat and freeze sensor features wireless connectivity, a 10-year sealed battery and sensor life, a built-in sounder, diagnostic/status LED, integrated fixed-temperature and rate-of-rise heat sensor, and a separate enrollment pre-freeze condition sensor.

The SDX-135Z uses a 319.5MHz transmitter to communicate with the control panel and a 915MHz transmitter for communication between networked detectors. Up to 24 detectors can be used in the interconnected network. The dual transmitter design ensures that interconnection integrity is maintained, independent of control panel status. This unique design allows the SDX-135Z to conform to UL 217 and UL268 requirements.

The SDX-135Z has a 10-year, sealed-in lithium battery, ensuring continuous operation over the life of the detector. A self-activation feature activates the detector when attached to the mounting bracket. At the end of detector's life, the unit will chirp and will notify the control panel, indicating that the detector is in need of replacement. A simple tool, such as a screwdriver, can be used to deactivate the unit, stopping the chirp and making the unit safe for disposal.

In addition, the SDX-135Z photoelectric smoke detector continually monitors operational status and provides a visual trouble indication if it drifts out of the sensitivity range or fails internal diagnostics.

STANDARD FEATURES

- Works with all Interlogix Learn Mode Panels: Simon®, NetworX, Concord®, UltraSync™ and Advisor®One
- Wireless interconnection between detectors independent of control panel
- 319.5MHz crystal transmitter sends alarm, tamper, maintenance, and low battery communication to control panel
- Sensor and battery life ensures 10 years of continuous operation
- Restorable, built-in, 135°F (57°C) rate-of-rise heat sensor with additional pre-freeze indication at 41°F (5°C)
- Built-in 85dB temporal 3 and temporal 4 sounder with status LED
- UL listed to UL217 and UL268, CAN/ULC-S531, CSFM
- Available simultaneous use as a smoke/heat detector and freeze sensor
- Push-to-test capabilities for local device only and/or system initiating test
- Self-activation when attached to mounting bracket (included)
- Three-year warranty

Wireless Smoke Detector with Heat and Freeze Sensor

SDX-135Z

Specifications

Electrical	
Voltage	3V DC
Battery Type	Lithium-Ion (non-replaceable)
Battery Life	10 years, typical
Operation	
Detector Life	10 years
Smoke Sensor	Photoelectric
Temperature Sensor	NTC thermistor
Interconnection	Wireless, up to 24 detectors
Rate-of-Rise Rating	15ºF/min > 105°F (9.4ºC/min > 40.5ºC)
Fixed Temperature Rating	135ºF (57ºC)
Freeze Alarm Trip	41ºF (5ºC)
Freeze Alarm Restore	45ºF (7.2ºC)
Sounder	85dB at 10ft. @ 3.2±0.5 KHz Temporal 3
LED	Tri-color
Low Battery Beep Rate	1 every 60 seconds
Smoke Sensitivity	0.97 to 3.67 %/ft. obscuration
Supervision Interval	62-68 minutes
Signal Output Types	Alarm, tamper, test, low battery, trouble, supervisory
Environmental	
Storage Temperature	-4° to 140°F (-20° to 60°C)
Operating Temperature	32° to 100°F (0° to 37.8°C)
Operating Humidity Range	0 to 95% noncondensing
RF Frequency	319.5 MHz and 915MHz
Transmitter ID	Preprogrammed, 1 million codes
Physical	
Dimensions	05.6in. ±0.01in. X 2.3in. ±0.04in. (0142.3mm ±0.3mm x 59mm ±1mm)
Color	White
Environmental	
Listings	UL217, UL268, CAN/ULC-S531, CSFM, FCC, IC

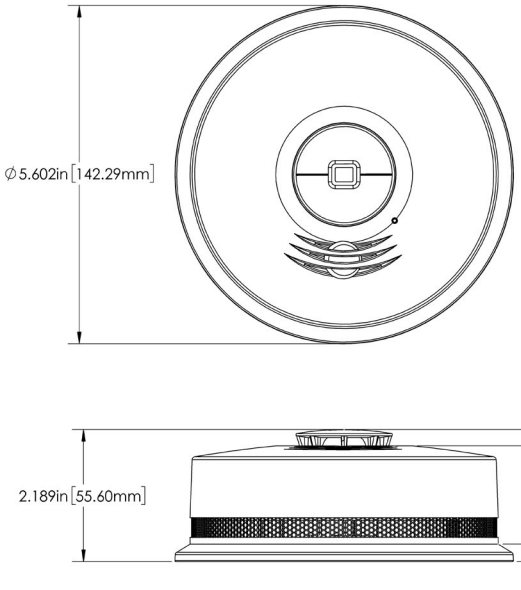
Ordering Information

SDX-135Z	Wireless interconnected photoelectric smoke detector with heat and freeze sensor, sounder, UL 217, UL 268, ULC S531

Accessories

SM-200	Smoke! In A Can (canned smoke) for functional testing of smoke detectors
SM-EXT1	Extension tube for Smoke! In A Can

Dimensional Diagrams



24IN Control
DIY Security & Alarm

interlogix
United Technologies

interlogix.com

Specifications subject to change without notice.

© 2018 United Technologies Corporation.
All rights reserved.
All trademarks are the property of their respective owners.
Interlogix is part of UTC Climate Controls & Security,
a unit of United Technologies Corporation.

2018/02 (GSP-2310)