

## Overview

The supervised photoelectric smoke alarms/detectors are self-diagnostic Learn Mode wireless sensors with 319.5MHz transmitters with a self-contained sounder, a low battery annunciator, status LED, and integrated fixed temperature and rate-of-rise heat sensor. Each unit will communicate an alarm condition to a GE compatible control panel. In addition, the mounting tamper will send a trouble condition if the detector is removed from the base.

The supervised wireless models are available in two types. The TX Series residential supervised models can be used with all GE Security control panels that support wireless devices and the commercial 60-849 Series supervised wireless models can only be used with Advent commercial panels. Supervised wireless models ship with batteries and transmitters included.

All of the battery operated photoelectric smoke detectors continually monitor operational status and provide a visual trouble condition if they drift out of the sensitivity range or fail internal diagnostics.

The series meets NFPA 72 field sensitivity testing requirements without the need for external meters. The alarm sensitivity level can be determined at the unit.

Another feature is built-in drift compensation that allows the alarm to adjust sensitivity automatically as it becomes dirty over time. The drift compensation feature dramatically increases the time between cleaning, as well as reduces false alarms.

## Standard Features

- 3V Lithium battery operated
- Field replaceable optical chamber
- Built-in 85dB temporal sounder
- Built-in drift compensation
- Built-in heat detection
- Learn Mode
- 319.5MHz crystal transmitter
- Alarm signal sent to central station on test
- Low battery prealarm sent to control station

# Supervised Wireless Smoke Detectors

TX-6010-01-1, 60-849-02-95



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## Specifications

Electrical	
Voltage	3 VDC
Average standby current	35 $\mu$ A, typical
Test current	2 mA, typical
Alarm current	70 mA, typical
Battery type	3V lithium-Duracell® 123, Sanyo® and Panasonic® CR123A
Low battery threshold	2.7 V causes low battery signal
Features	
Sounder	85dB at 10 ft., temporal pattern
Low battery beep rate	1 every 45 $\pm$ 2 seconds
Sensitivity	2.3% $\pm$ 0.890%
Environmental	
Operating temperature	40 to 100°F (4 to 38°C)
Operating humidity range	0 to 95% noncondensing
RF immunity	20V/minute minimum; 1 to 1000 MHz
Drift compensation adjustment	0.5%/ft. maximum
Rate of rise	15°F/minute > 105°F (8.3°C/minute > 40.6°C)
Fixed	135°F $\pm$ 5°F (57.2°C $\pm$ 2.8°C)
RF frequency	319.5 MHz
Transmitter ID	Preprogrammed, 1 million codes
Modulation type	AM
Signal format	Pulse-width modulation
Output types	Alarm, restore, tamper, low battery, trouble, 1 hour Supervisory
Physical	
Color	White
Alarm dimensions	5.6 x 2.4 in. (142 x 61 mm)
Base dimensions	5.4 x 0.46 in. (137 x 12 mm)
Regulatory	
FCC, CSFM, TX Series UL 217, 60-849-02-95 UL 268 only with Advent Panel	

## Ordering Information

TX-6010-01-1	Supervised residential wireless smoke detector for use with all GE Security panels, 85dBa sounder, fixed/rate-of-rise alarm, transmitter, batteries, UL 217
60-849-02-95	Supervised commercial wireless smoke detector for use with Advent panels, 85dBa sounder, fixed/rate-of-rise alarm, transmitter, batteries, UL 268

Accessories	
SM-200	Smoke! in a Can® (canned smoke) for functional testing of smoke detectors, pack of 12
SM-EXT1	Smoke!-in-a-Can extension tube
211	Replacement optical chambers, pack of 10
60-733	3V lithium battery 6 pack



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