DATA SHEET

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 03/21/16

MODELS 301/302

WIRELESS SMOKE DETECTORS

Overview

The Models 301/302 are state-of-the-art wireless addressable photoelectric smoke detectors, which incorporate a unique protocol not produced by other manufacturers. The Model 301 provides an internal 75dB temporal horn for smoke detector applications, requiring signal point audibility and annunciation. It also offers tandem activation of multiple detectors making this product the first commercially listed wireless smoke detector to offer this feature. The Model 302 is a no-sounder smoke detector for use in common areas. In addition to the performance features, the Models 301/302 are supervised for low battery, tamper and 200 second polling. They also provide for the first bi-directional communication between the transmitter and smoke detector, allowing for hardware fault supervision of the detector itself.

The Models 301/302 utilize Frequency Hopping Spread Spectrum (FHSS) signaling technology, assuring the most secure and reliable network.

Cost effective and easy to install, the low profile Models 301/302 incorporate built in transmitters and sounders. Both comply with UL Listed 864 Accessory Device, may be used in commercial and residential applications, and are also listed for open area protection. The Model 301 tandem smoke detector is typically used for high-rise residential and hotel applications.

Specifications

- **Model 301** – 75dB Tandem Operation with Temporal Code 3 Sounder
- **Model 302** – Non-audible
- **Battery Type:** 3 Volt Lithium Duracell DL123A
- **Battery Life:** 12 Months Minimum
- **Battery Replacement:** Upon Low Battery Report and/or During Annual Maintenance
- **Tamper Switch:** On Base
- **Sounder:** 75dB at 10′ Temporal Pattern
- **Reset:** Automatic
- **Sensitivity:** 2.0% Nominal
- **Testing:** Follow the 301/302 CWSI Manual and NFPA 72 or Local Requirements
- **Transmission:** Complies with FCC Part 15
- **Test Transmission:** 200 Second Supervisory Polling
- **Compatibility:** With CWSI Control Panel, refer to Product Manual

Mounting base diameter 5.30″ // Weight 6.4 oz.

Features

- **UL Listed 268**
- **Tandem Operation**
- Automatic Drift Compensation
- Hardware Fault Supervision
- Precise Field Sensitivity Diagnostics
- Pre-Alarm Maintenance Signal
- Pre-Low Battery Signal 48 Hour Prior to Horn Chirp
- Field Replaceable Chamber
- Operates on Single 3 Volt Lithium Battery
- Temporal Code 3 Sounder
- Low Profile
- 900 MHz Band FHSS Transmission Format

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