

# Wireless Detection

900MHz Spread Spectrum

## WLS906 Photoelectric Smoke Alarm

*Revolutionary design  
incorporating an advanced 90°  
photoelectric detection pattern,  
a uniquely designed smoke  
chamber, and high RFI immunity  
results in superior detection reliability,  
and prevention of false alarms!*

For use with :

*Magnis*

Stand-Alone Wireless Security System

*New*  
**Classic™ Power™ MAXSYS®**

Hybrid Wireless Security Systems



*900 MHz Spread Spectrum wireless technology is superior for security applications because it provides the proven reliability of multiple frequency signal transmission and the high security of an encoded signal. Spread spectrum also provides more frequent supervisory communications between the control panel and sensor... a critical issue in the protection of lives and property!*

- UL/ULC Listed
- Exclusive (patented) smoke chamber design provides :
  - maximum smoke detection
  - exceptional resistance to dust, insects, and air turbulence, thereby lowering false alarms
- 90° smoke detection pattern
- RED solid-state LED indicator light
- Loud 85dB piezoelectric alarm horn
- Automatic self-test once every 40 seconds with visual and audible trouble indication for low smoke sensitivity and low battery
- Manual user sensitivity test button with local indication of test result
- Installer test mode allows test locally or by transmission to Central Station
- Fully supervised by controller for :
  - tamper
  - low battery
  - device fault
  - low sensitivity
- Tampered to ceiling for protection against unauthorized removal
- 6 AA alkaline batteries (supplied)

**DSC**  
Security Products

Digital Security Controls

## OPERATION

On alarm, the detector activates the sounder and sends an RF alarm signal to the control panel. When the smoke clears from the chamber the detector automatically resets itself.

## ALARM INDICATIONS

Condition	Sounder	Alarm LED	RF Transmission
No smoke	silent	flash every 40-50sec	supervision <sup>††</sup>
Smoke	alarm	flash every 0.67 sec	alarm
Automatic self test - functioning normally	silent	flash every 40-50sec	supervision <sup>††</sup>
Automatic self test - insufficient sensitivity	chirp between LED flashes	flash every 40-50sec	fire trouble *
Push button sensitivity test - functioning normally	alarm	flash every 0.67 sec	N/A (local test)
Push button sensitivity test - insufficient sensitivity	silent	flash every 40-50sec	N/A (local test)
Magnet sensitivity test - functioning normally	alarm	flash every 0.67 sec	alarm
Magnet sensitivity test - insufficient sensitivity	silent	flash every 40-50sec	fire trouble *
Low battery	chirp simultaneous with LED flash	flash every 40-50sec	fire trouble *

<sup>††</sup> transmits every 12 minutes

\* transmits every 40-50 seconds until restored

## SPECIFICATIONS

Operating voltage	.....9V (six AA alkaline batteries)
Smoke sensitivity	.....2.4 %/ft obscuration ±0.5%/ft 2.4 %/305 mm ±0.5%/305 mm
Operating environment	.....32 - 122 °F (0 - 50 °C) 5% - 95% RH, non-condensing
Dimensions	.....5.6"Ø x 2"D (14.2 x 5.1cm)
Field test	.....Pushbutton, magnet-activated reed switch and/or Gemini 501 Smoke Alarm Analyzer



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