

# AirPatrol WLS Cell Sensor™



**The AirPatrol WLS WS1001 Cell Sensor™ accurately and reliably detects and locates cellular phone devices on all commonly used bands without decoding their data packets.**

**AirPatrol's revolutionary approach offers enterprises substantial cost savings and improves time to deployment — without sacrificing accuracy or reliability.**

The WLS WS1001 Cell Sensor delivers powerful wireless sensing capabilities with performance characteristics superior to any other currently available cell phone sensor. The WLS Cell Sensor provides reliable cellular phone signal detection in a robust, industrial grade design. It detects CDMA and GSM cellular phone activity in both the 800 MHz and 1900 MHz bands, and the received information is used to accurately locate detected cell phone devices.

The detection range of the WLS Cell Sensors significantly exceeds that of the competition, so fewer sensors are required to protect an area, dramatically reducing deployment costs and time frames. Consequently, more extensive sensor networks can be deployed, increasing detection capabilities and redundancy, and improving overall positional accuracy. The option to power the sensor using standard 802.3af Power over Ethernet technology further simplifies installation.

## **AirPatrol Cell/WiFi Locator Platform Integration**

The WLS Cell Sensor is used in conjunction with the AirPatrol Wireless Locator System application to accurately locate all cell phone transmissions. In addition to locating devices being used to transmit voice calls or digital data transmissions (e.g. emails or SMS text messages), the system also locates powered cell phones which are not in use by detecting the periodic 'ping' signals which they send to the local cell tower. Used together, the WLS Cell Sensor and the Wireless Locator System give customers a 24 x 7 view of all cell phone activity within the enterprise.



## **Key Benefits and Features**

- Accurately detects cell phones on 800 MHz and 1900 MHz bands
- Rapid setup and configuration
- Compact, industrial-grade design
- Two standard 10/100 Mbps Ethernet ports
- Powered using standard 802.3af Power over Ethernet
- Detects ALL cell phone transmissions, including ultra-short duration SMS Text Message bursts and 'pings' to the tower.

## **AirPatrol Corporation**

9861 Brokenland Parkway  
Suite 204  
Columbia, MD  
21046 USA  
Phone: 1-866-430-4227

info@airpatrolcorp.com  
www.airpatrolcorp.com