



Wireless Access

Model WSM

Wireless Status Monitor

Overview

Communicating via 900 MHz to an access control panel, the battery-powered Wireless Status Monitor reports in real-time any condition change caused by a contact closure or opening. While the WSM is most often used to monitor door position or to activate a local siren, the WSM can monitor other inputs from devices like glass breakage and temperature sensors.

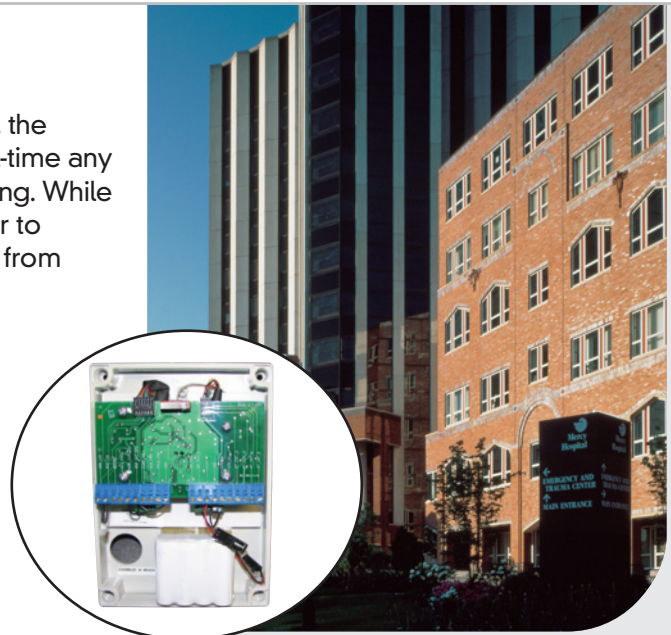
Reliability

Ultra-reliable communications result from several technological advances and incorporated features. 900 MHz Spread Spectrum technology enables high transmission power in a license-free band. Modulo 256 error detection maintain data integrity on each transmission and redundant transmissions ensure communication success. Periodic "heartbeat" signals assure good communications are maintained between the WSM and PIM. Lastly, Dynamic Channel Switching overcomes harsh RF environments by automatically changing channels to avoid potential interference.

Universal

Utilizing open standards for compatibility with virtually all access control systems, seamlessly integrate the WSM into new and existing installations. The WSM typically installs above the door and the two wires from a door position switch connect to it, significantly reducing installation time. Especially since up to 200 feet of cable can be eliminated from the WSM to the access control panel.

Security is also maintained as the WSM utilizes Spread Spectrum transmissions, which are encoded with 128-bit keys, to yield a system that is virtually uncompromisable. In addition, scalability is virtually unlimited as each Wireless Status Monitor has nearly a million addresses to choose from during the linking process.



ORDERING INFORMATION

WSM - Wireless Status Monitor, battery powered

FEATURES & BENEFITS

- Wireless communications with Panel Interface Module
- Battery Operated
- Encoded Spread Spectrum transmissions
- 900 MHz Spread Spectrum RF technology
- Flash memory
- Installs quickly and reduces time and wiring costs
- Compatible with ALL existing access control systems
- Seamless integration to existing installations
- Virtually impossible to be compromised
- Long range with ultra-reliable communications
- Easy to upgrade to latest software

ADDITIONAL FEATURES

Ultra Reliable Communications

900 MHz band, with 15 channels to choose from, up to 225 mW of power, Modulo 256 error detection on every transmission and redundant transmissions.

Online Communications (Heartbeat)

Regular communications between the WSM and Panel Interface Module (PIM) monitor transmission presence and integrity. Online communications enable the PIM to download information or instructions to the WSM. The period between heartbeat transmissions is configurable.

Auto Addressing/Linking

One of the final steps in the installation process is called "linking". Linking ties a specific WSM to a select PIM and assigns a unique address. There are over 65,000 unique addresses available per channel, providing nearly a million combinations for virtually unlimited scalability.

Assured Communications

A Packet-Error-Rate test is performed during linking, assuring greater than 99.0% of all messages get through.

Long Range

Up to 200 feet in typical building construction, horizontal.
Up to 1000 feet line-of-sight.

Encoded Transmissions

Each transmission is encoded using 128-bit keys to provide virtually uncompromisable security.

Visual Indicators

One bi-colored LED (red & green) to indicate:
linking status to PIM
WSM firmware version



SPECIFICATIONS

Certifications: FCC Part 15 certified, RSS-210 of Industry
Canada approved, UL 294 certified

Supply Voltage: 12 VDC Battery Pack

Frequency Range: 902 to 928 MHz license-free band in U.S. and
Canada 15 discrete channels to select among

Transmission Type: Encoded Direct Sequence Spread Spectrum

Data Rate: 62.5 Kbps max, half duplex

Verification Time: Less than 0.10 second (not including panel
delays)

Enclosure Rating: Fire retardant plastic, Indoor

Contacts: 1 Form C relay (Strike)
5A at 28VDC/125VAC

Operating Temperature: 0°C to +50°C

Operating Humidity: 20% RH to 95% RH (non-condensing)

Weight: 1.5 lbs.

Dimensions (Overall): 7" H x 5" W x 2" D

Optional Accessories

K380-001 Single (12 VDC) replacement battery pack

K380-012 Twelve (12 VDC) replacement battery packs

