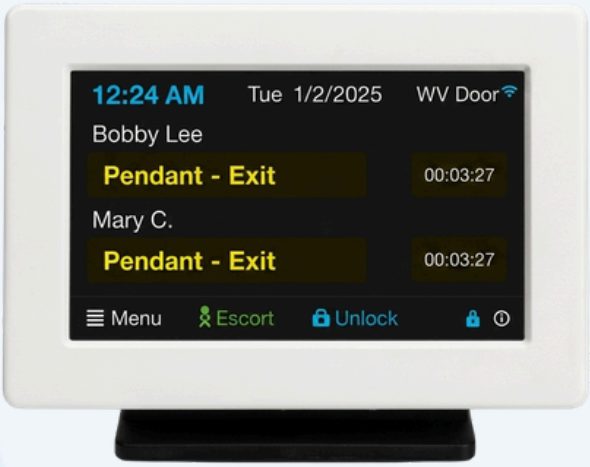
Product Specification Sheet

MV200 Plus
Desk Console



Wireless MV200 Plus Desk Console

The Wireless MV200 Plus Desk Console is a flexible, standalone master console engineered for mid-sized healthcare facilities, senior living communities, memory care units, and commercial panic/security applications. Operating on a robust 900 MHz spread spectrum mesh network, the MV200 Plus acts as the central hub for monitoring, identifying, and managing emergency call alerts from staff and patient transmitters without requiring existing facility Wi-Fi or complex hardwiring.

Delivered fully pre-programmed to meet specific site requirements, the system offers seamless plug-and-play installation, reducing setup costs while ensuring immediate, reliable coverage across an entire campus or facility layout.

Architects and Engineers Specification

(Formatted for inclusion in formal project bidding, CSI division spec documents, or RFPs)

The Master Emergency Notification Console shall be the Wireless MV200 Plus Desk Console. The central processing hub shall communicate utilizing a frequency-hopping 900 MHz spread spectrum wireless protocol across a minimum of 26 redundant communication channels, maintaining a network architecture independent of the facility's internal Wi-Fi infrastructure.

The console shall possess a 5-inch color touchscreen LCD interface capable of visually enumerating pending alarms, device identification text, and active system faults. The system capacity must dynamically accommodate up to 100 unique supervised wireless transmitter IDs including bedside call cords, emergency pull stations, mobile duress pendants, and environmental monitors. The master unit must supervise all field-deployed peripheral transmitters for continuous RF check-in signals and low battery status notifications.

Hardware provisions shall include a minimum of six programmable dry-contact relays for secondary integration into external corridor dome lighting arrays, secondary audio enunciators, or localized security systems. The console shall store a rolling, non-volatile event buffer logging the historical record of the most recent 100 calls. To ensure life-safety audit integrity, the system architecture must strictly require that call cancellations and system resets are executed manually at the originating station hardware source. The console shall be provided fully pre-programmed to the owner's designated room matrix prior to field installation.

Product Specifications

- Console Display: 5-inch Color Touchscreen LCD Display
- Operating Frequency: 900 MHz Spread Spectrum (Frequency Hopping)
- RF Channels: 26 Redundant Communication Channels
- Max Supported Transmitters: Up to 100 Unique Device IDs
- Relay Outputs: Up to 6 Programmable Relays (Dry Contact)
- Audio Output: 3.5 mm Built-In Line-Out Jack
- Data Logs: Non-Volatile Rolling Memory (Last 100 Events)
- Installation Profile: Tabletop / Desk Mount; Plug-and-Play Power
- Power Source: Primary AC Adapter with long-life replaceable internal backup batteries.

Compliance and Certification

- FCC Status: Compliant with FCC Part 15 regulations for intentional radiators operating within the licensed 900 MHz ISM band, ensuring minimal RF interference with neighboring telemetry or cellular infrastructure.
- UL Standards: Components leverage wireless transmission technologies tested to comply with industrial safety and signaling standards.
- RoHS Status: Manufactured using lead-free, environmentally sound materials in compliance with current Restriction of Hazardous Substances (RoHS) standards.

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Product Specification Sheet

MV200 Plus
Desk Console

Equipment Options

The MV200 Plus Desk Console interfaces natively with a wide array of specialized wireless peripherals to create a tailored life-safety or duress network:

- Patient & Bedside Care: Wireless Single & Dual Bedside Patient Stations, Bed/Chair Fall Prevention Exit Pads, and specialized Medical Bed Cord Stations.
- Emergency Pull Stations: Wireless Emergency, Staff Assist, and Waterproof Shower/Bathroom Pull Cord Stations.
- Mobile Duress Locating: Wireless Personal Emergency Neck Pendants, Wrist Transmitters, and Under-Desk/Wall-Mount Panic Buttons.
- Facility Security & Environmental Protection: Wireless Door/Window Exit Sensors, Smoke Detectors, Motion Detectors (with Pet Immunity), and Temperature/Water Sensors.
- Visual Status Alerts: WanderVision Alert Displays, Multi-Colored Corridor Dome Lights, and 24-inch or 48-inch Alphanumeric Wireless Reader Boards.
- System Receiver Compatibility: Cross-compatible with WNC-Server 200Z, 200Plus, 400Z, and 500Z wireless console receiver components.

Standard Features

- Frequency-Hopping Technology: Utilizing 900 MHz spread spectrum technology across 26 redundant channels to ensure high-penetration signal transmission through dense facility infrastructure.
- Upgraded Interactive UI: Equipped with an integrated 5-inch color touchscreen LCD display for clear, real-time visual alarm identification, device status, and menu navigation.
- Source-Reset Call Management: Enforces a physical audit trail by requiring all active emergency or patient alarms to be manually reset directly at the transmitting source station.
- Comprehensive Supervision: Provides round-the-clock continuous polling supervision for all paired wireless peripheral devices, monitoring system integrity, radio connectivity, and low battery thresholds.
- Internal Event Logging: Retains a local rolling call history of the last 100 historical events for internal audit, response timing evaluation, and safety compliance reviews.
- On-Board Relay Capability: Includes up to six programmable connective dry-contact relays to interface with auxiliary security equipment, exterior corridor dome lights, remote sirens, or strobe alerts.
- Expanded Capacity: Natively scales to support up to 100 unique transmitter identification fields (IDs) on a single console footprint.
- Audio Interfacing: Features an integrated 3.5mm audio output jack for connecting external speakers or auxiliary audio amplifiers to increase volume in high-ambient noise areas.

More Features

- Zero Infrastructure Reliance: Operates completely independently of local facility Wi-Fi or local area network (LAN) connections, preventing network vulnerabilities or outages from affecting life-safety signals.
- Pre-Programmed Scalability: Shipped with individual zone mapping, station naming, and device pairing completed prior to delivery. Additional peripherals can be field-enrolled dynamically as system demand scales.
- Paging & Escalation Interface: Compatible with optional integrated paging transmitters to automatically route emergency notifications directly to on-site pocket pagers, complete with a 10-level programmable call escalation matrix for unacknowledged alerts.

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