



Architects' and Engineers' Specifications

"The antenna shall be a dedicated RF signal reception component designed for integration with the MV200 series wireless nurse call console. The antenna shall provide stable signal reception for 900 MHz (or system-specific) wireless nurse call transmitters. It shall feature a direct-connect interface compatible with the MV200 console's antenna port. The device shall ensure reliable transmission and reception of emergency signals in accordance with the manufacturer's performance standards for the wireless nurse call platform."n loss back to the master station middleware.

Equipment Options

- **Range Extension:** While the standard antenna comes with the MV200 unit, this version is specifically intended as a direct replacement or a high-performance alternative to maintain system integrity.
- **Compatibility Note:** Designed primarily for the MV200 Desk Console; for larger facilities requiring significantly extended range beyond standard antenna capabilities, system repeaters are typically used in conjunction.

Wireless-MV200-Antenna

The Wireless MV200 Antenna is a specialized, high-gain replacement or upgrade component designed for the MV200 Wireless Nurse Call System. Its primary function is to optimize the radio frequency (RF) signal reception for the MV200 Desk Console. By ensuring a stable and clear connection between the central console and peripheral wireless transmitters (such as patient pendants, pull-cord stations, and motion sensors), the antenna helps maintain system reliability and extend the effective wireless coverage range within a facility.

Specifications

- **Compatibility:** MV200 Wireless Desk Console.
- **Application:** Indoor wireless nurse call signal optimization.
- **Installation:** Direct attachment to console antenna port.
- **System Capacity:** Supports facilities with up to 48 wireless transmitting devices when used with the standard MV200 system.

Features

- **Signal Enhancement:** Improves reception range and stability for RF signals transmitted by wireless call stations.
 - **Compatibility:** Specifically engineered for the MV200 series nurse call desk consoles.
 - **Easy Installation:** Designed for quick attachment to the console's antenna port, requiring no complex configuration.
 - **Durable Design:** Constructed for stable performance in standard clinical or residential healthcare environments.
- More Features
- **Optimized Frequency:** Tuned specifically for the frequency bands utilized by BEC Integrated Solutions' wireless nurse call transmitters.
 - **Reliability:** Ensures that critical emergency signals from patient-worn pendants or bed stations are successfully received by the desk console without data loss.

Compliance and Certification

- **FCC:** Compliant with FCC Part 15 regulations for low-power communication devices.
- **UL:** System-level components are compliant with standards for healthcare facility communication (e.g., UL 1069 or UL 2560 as applied to the broader MV200 system).
- **RoHS:** Compliant with the Restriction of Hazardous Substances Directive.