Product Specification Sheet

WNC-ZTX2

High-Power Wireless Transmitter



WNC-ZTX2 High-Power Wireless Transmitter

The WNC-ZTX2 is a high-power wireless transmitter designed to provide reliable signal penetration and extended range in demanding environments such as hospitals, assisted living facilities, and skilled nursing centers. It captures signals from wireless pendant transmitters, pull stations, and other system peripherals, then broadcasts these alerts to staff pagers or secondary integration systems. Its 2-watt output ensures superior signal integrity in facilities where high-density building materials might otherwise impede wireless communication.

Specifications

- **Transmit Power:** 2 Watts (nominal).
- **Frequency Range:** VHF/UHF bands (typically programmable per regional requirements).
- **Operating Voltage:** 12VDC/24VDC (external power adapter).
- **Connections:** BNC antenna connector; RJ45/Serial interface for data input.
- **Dimensions:** Standard compact industrial form factor (approx. 5" x 4" x 1.5").
- Operating Temperature: 0°C to 50°C.

Architects' and Engineers' Specifications

The contractor shall provide a 2-Watt wireless paging transmitter (Model WNC-ZTX2 or approved equivalent) to serve as the core transmission gateway for the facility nurse call system. The unit shall support [insert protocol, e.g., POCSAG/FLEX] to ensure compatibility with all assigned staff paging devices. The transmitter shall feature an adjustable power output up to 2 Watts, be housed in a wall-mountable, high-impact enclosure, and provide front-panel LED indicators for power, transmission, and fault status. The system must include a secondary antenna mounting kit if necessary to meet facility coverage requirements and support battery-backed operation for continuous reliability during site power failures.

Equipment Options

Antenna Kits: Available with high-gain omnidirectional or directional antennas to optimize signal distribution in specific areas.
Power Redundancy: Optional battery backup modules to maintain transmission capability during power outages.
Interface Modules: External serial or IP-based gateway cards to allow direct integration with third-party software or localized paging systems.

Architects' and Engineers' Specifications

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More Features

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Compliance and Certification

- FCC: Certified under FCC Part 15 and/or Part 90 (depending on frequency and usage).
- UL: Evaluated for compliance with UL 1069 or UL 2560 standards for nurse call equipment.
- RoHS: Fully compliant, utilizing lead-free components and manufacturing processes.

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