Product Specification Sheet
WNC-RP
Wireless Repeater



WNC-RP Wireless Repeater

The WNC-RP is a 900 MHz spread-spectrum repeater designed to capture, process, and re-transmit signals from BEC B7 series transmitters, such as wrist and necklace pendants. It measures incoming signal strength while filtering ambient noise, then sends location and alert data to the WNC Video Display Console PC. Highly scalable for multi-story buildings, multiple units can be added to expand coverage by surface-mounting and plugging into a standard AC outlet.

Specifications

- **Dimensions (Repeater Unit):** 5.3" H × 5.1" W × 1.7" D
- **Power Input:** 12 VAC / 20 VA transformer included (for indoor/sheltered installation)
- **Operating Temperature Range:** 32°F to 140°F

Architects' and Engineers' Specifications

Facilities requiring expanded wireless range across multi-story layouts or future build-outs shall utilize a signal repeater. The device must output a minimum of 10 mW effective radiated RF power and transmit both signal quality data and originating transmitter identification. The unit must maintain reliable transmission for system alarms and routine supervisory check-ins.

Features

- Designed for indoor facility deployment
- Includes 120 VAC indoor power transformer
- Plug-and-play installation without custom wiring or manual programming
- Automatic self-configuration
- Optional solar power configuration for outdoor environments
- Integrated external antenna for enhanced signal delivery

System Components

WNC-SERVER: Desktop Computer Console
MV-500: System Desk Console
MV-200: PLUS System Desk Console

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