Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 03/21/16

MODEL AR-5

AC POWERED REPEATER

Overview

The Model AR-5 Repeater, UL Listed 864 Accessory Device, is an addressable bi-directional repeater which is used to form a wireless network which receives, screens, verifies, and retransmits low power radio signals from other CWSI wireless initiating devices, repeaters and control panels. In addition to providing RF signaling within the installation, the AR-5 provides two supervised addressable Notification Appliance Circuits (NACs). **An optional RM-5 Plug-in Relay Module adds 5 Form C Relays to the AR-5.**

AR-5 Specifications

- **Power Source:** 120/240Vac 50/60Hz 1 Amp Dedicated
- **Battery Type:** Two 12Vdc 4Ah Sealed Lead Acid Batteries Connected in Series for up to 60 Hours Standby Operation
- **Dry Contact Relays:**
  Available when optional Model RB-10, 20, 30 or 40 Relay Box is connected to the AR-5. All relay outputs are programmable and rated for 24Vdc @ 1Amp. The number after RB indicates the number of outputs provided.
- **Transceiver Operating Frequency:** 900 MHz Band
- **Antenna Type:** Omni, Yagi
- **Enclosure:** Powder coated 18 Gauge Steel
- **Testing:** Follow the Model AR-5 CWSI Manual and NFPA 72 or Local Requirements
- **Transmission:** Complies with FCC Part 15
- **Test Transmission:** 200 Second Supervisory Polling
- **Panel Compatibility:** With CWSI Control Panel, refer to Product Manual

Height 10" // Width 10" // Depth 3.25" // Weight 14 lbs.

AR-5 Features

- **UL Listed 864 Accessory Device**
- Bi-Directional RF communication
- 900 MHz Frequency Hopping Spread Spectrum Format
- CRC Data Validation
- Dual Transceiver Design
- **AR-3A Legacy Mode Switch**
- **Field Programmable Special Application and Regulated NACs:**
  Special Application NACs:
  › Programmable Non-power Limited. 1 Class "A" (Style Z) or 2 Class "B" (Style Y) Field Selectable
  › Class A Ratings: 24Vdc @ 1 Amp
  › Class B Ratings: 24Vdc @ 1 Amp
- **Regulated NACs**
- Synchronization of NAC outputs when used with compatible Gentex products

RM-5 Specifications

- **Plug-in Installation**
- **Relays:** 5 Form C Relays Rated 30Vdc 5A Resistive
- **Compatibility:** Commercial Wireless Systems International, LLC Model AR-5

Height 2.25" // Width 3.75" // Depth 0.6" // Weight 1oz.

RM-5 Features

- 5 Form C Relays
- 5 Amps, 30Vdc
- 3 Programming Zones per relay

LISTED FM APPROVED NYFD APPROVED

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