



RPT-1 Repeater Cabinet (RAU)

Features

- ▶ Radio Amplification Unit (RAU)
- ▶ Receives & Transmits FDNY Handheld Two-Way Radios Within A Building
- ▶ NEMA-4 Enclosure
- ▶ NEMA-4 Cooling Fan
- ▶ FDNY 3 RCNY 511-01 Compliant (In-Building Auxiliary Radio Communication System)
- ▶ Supports use of FDNY Channels 11 and 12
- ▶ Supervised for Wiring or Component Faults

Application

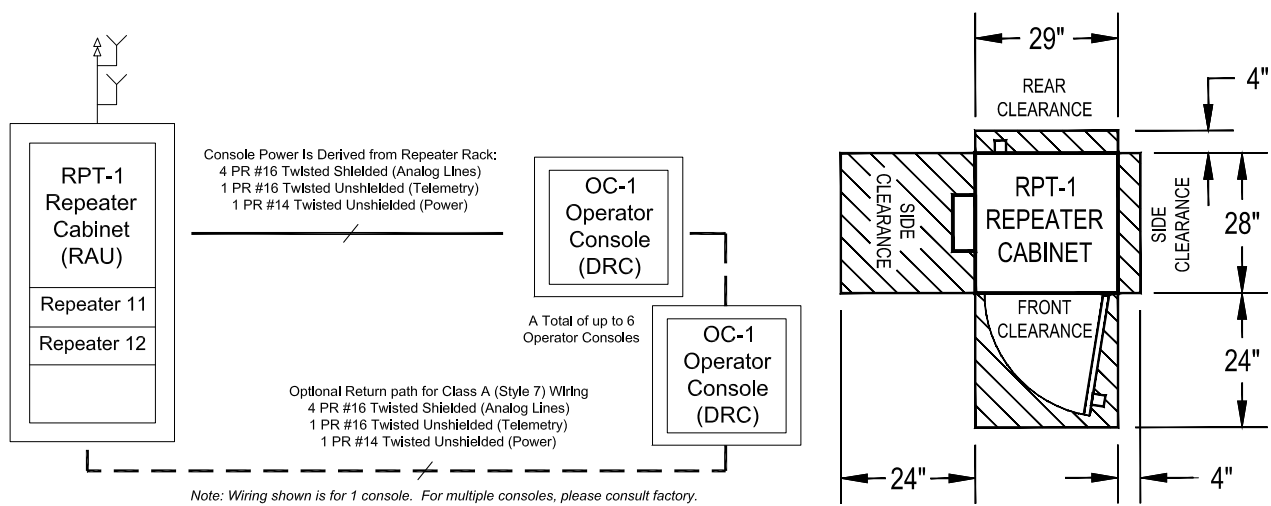
The RPT-1 Repeater Cabinet, a Radio Amplification Unit (RAU) in a NEMA-4 enclosure that contains the Radio Frequency Amplifiers, facilitates the receipt and transmission of the FDNY Tactical Channel 11 and Channel 12 radio frequencies. The RPT-1 is specifically designed to power and communicate to the ARCS-2000 Auxiliary Radio Communication System OC-1 Operator Console. The RPT-1 Cabinet also contains equipment that supervises the RF systems as well as all related system interconnections. The RPT-1 can be installed in a centrally located electrical equipment room.

The Firecom RPT-1 Repeater Cabinet along with the OC-1 Operator Console and custom designed distributed antenna within the ARCS-2000 System ensures that Firefighters and other First Responders can communicate clearly, allowing for a more effective and organized emergency response within a building.

Engineering Specification

The Firecom ARCS-2000 System provides a method of amplifying and evenly distributing the radio frequency communication channels used by Fire Department portable communication devices. The system is designed to enhance coverage for radio use throughout the premises by using a distributed antenna system that is custom designed to ensure even and powerful signal strength in all critical and general areas of a building. The availability of two operational channels allows the individual or simultaneous management of separate response teams or may be used to select a channel different from the one used at an event at a neighboring building. The RPT-1 Repeater Cabinet shall be a NEMA-4 rated enclosure. All required cooling fans shall also be NEMA-4 rated.

Every component within the ARCS-2000 system supports full battery backup, allowing full compliance with NYC guidelines.



Typical Wiring for ARCS-2000 System

**RPT-1 Repeater Cabinet
Minimum Clearance Requirements**

Electrical Specifications

Operating Voltage/Current	120VAC @ 4A (Includes one OC-1 Operator Console)
Operating Temperature	72°F Target Temperature Controlled
Operating Humidity	Humidity Controlled
BTU Load	2000BTU/Hour
Dimensions	80"H x 29"W x 28"D

Ordering Information

Model No.	Part No.	Description
RPT-1	77526	RPT-1 Repeater Cabinet

It is our intention to keep the product information up to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information contact: FIRECOM, INC.

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