

Submittal

NR-911V

The NR-911V **Emergency Radio Communication System (ERCS)** is a NEMA 4 rated cabinet that houses the key components of the **(NRFD) New Rochelle Fire Department** Emergency Radio Communications System. This includes 2 Mobile Radios, combiner/duplexer, power supply, sealed lead acid batteries, and data acquisition and monitoring unit. This system requires a 110V 20A direct line with a dedicated service switch.

KEY FEATURES

- Meets the **NFPA 1221** and **NFPA 72**, and all requirements by the (NRFD) **New Rochelle Fire Department**.
- NEMA 4 enclosure, non ferrous with red powder coat, front door with a 3 point locking system.
- NEMA 4 mechanical venting.
- Interactive Touch Screen.
- TAIT TN9400, Mobile x 2, smart AC backed/DC backup battery operation, high power.
- Cavity combiner/band pass duplexer, 100W output.
- Interactive recording and on-panel screening.
- Internal recording - incoming and outgoing transmissions.
- (2) Noise-reducing handsets.
- 120V to 24V 20A UL Listed power supply with UPS unit, NFPA 72 test function, fully compliant to NFPA 1221 alarm requirements, battery polarity protection.
- Power distribution unit with surge protection and a 15A resettable circuit breaker and 1800 joule surge suppressor, active monitoring for ground, surge, and power.
- Data acquisition unit which constantly monitors all system parameters, internet capable for remote monitoring, building management capable for integration into an existing system.
- Antenna and cable monitor accurately monitors antenna and cable system VSWR levels, measures small changes in antenna VSWR with high feeder and interface losses. (up to a 10dB cable loss)
- (2) x 75Ah 12V sealed lead acid batteries for 24 hours reserve power, 6 hour full use power backup.
- 6 dry contact outputs, for inter-connection to any fire alarm panel (supervisory signals).
- Touch screen built-in to the COMMAND POST cabinet for local monitoring of alarm conditions.
- Connector Inputs for the NRFD EFAS Modem.
- **All components are UL Listed.**



SPECIFICATIONS

QUICK REFERENCE

THE NFRD (NEW ROCHELLE FIRE DEPARTMENT) EMERGENCY RADIO COMMUNICATIONS SYSTEM		
VOLTS AC	115V	5.4A
VOLTS DC	24V	2.0A
INSERTION LOSS TX	4 dB	
INSERTION LOSS RX	5 dB	
FREQUENCIES TX	453.9625	465.6375
FREQUENCIES RX	453.9625	465.6375
AMBIENT CONDITIONS	35° F - 125° F	RH < 90%, non condensing



Interactive Touch-screen

(2) Mobile Radios with Noise-Canceling Handsets

Power supply & Data Acquisition Unit

Cable Connections

Back-up Batteries

1 YEAR
WARRANTY
PARTS AND LABOR

DIMENSIONS

