

Emergency Radio Communications Enhancement Systems

Dedicated Annunciator

Product Installation Document

PN LS10212-000GE-E:A 06/06/2018 18-0255

Overview

A Dedicated Monitoring Panel (annunciator) is required by NFPA1221, NFPA72 and IFC to monitor the bi-directional amplifier system. A monitoring panel is included with each bi-directional amplifier. Each dedicated annunciator provides the following:

- System indications required by NFPA1221 / NFPA72 (Refer to Figure 1.1)
- Full annunciator supervision, including open, short and ground fault monitoring for each conductor
- Easy installation – mounts on a standard 2-gang electrical box
- Plug-in terminals:
 - 18 - 24 AWG (solid wire)
 - 20 - 22 AWG (stranded wire)

Normal Operation

The green “AC Power Normal” LED is normally ON unless power loss occurs. All other red LEDs are normally OFF under system normal conditions.

Red LEDs turn ON to indicate associated trouble events. These events include:

- AC Power Loss
- BDA trouble Condition
- Antenna Trouble Condition
- Battery Charger Trouble
- Low Battery Condition

Installation and Wiring

Each circuit is labeled on both the annunciator panel and the BDA (Refer to Figure 1.2 and Figure 1.3).

NOTE: The dedicated annunciator must be installed next to the Fire Alarm Control Panel or other designated area indicated by the Authority Having Jurisdiction

To install the dedicated annunciator, refer to the following steps:

1. Connect the circuits using a solid conductor 18-24AWG wire
 - Maximum cable length between the BDA and the annunciator panel using 24AWG wire is 3,000 feet.
 - Maximum wire resistance is 180 ohm
2. Mount the panel on a standard electrical 2-gang box. Secure with 4 screws. All cable installations shall be in compliance with the local electrical code and Authority Having Jurisdiction.

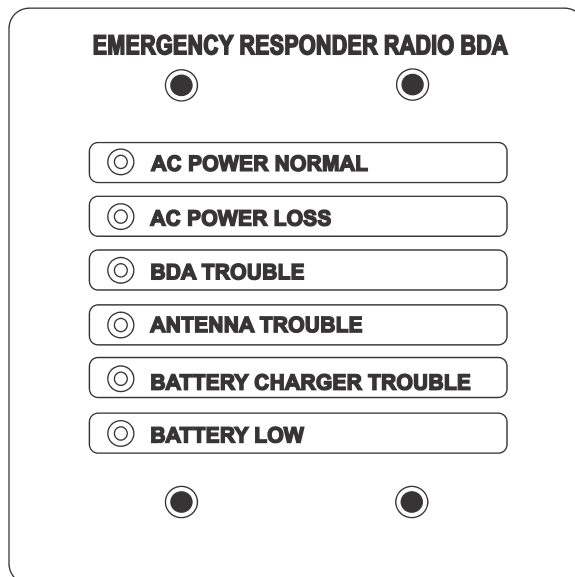


Figure 1.1 Dedicated Annunciator Panel Indicators

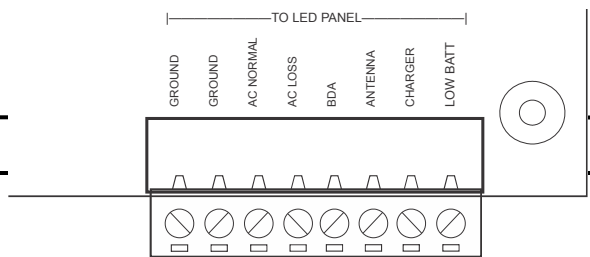


Figure 1.2 Bi-Directional Amplifier Dedicated Annunciator Wiring

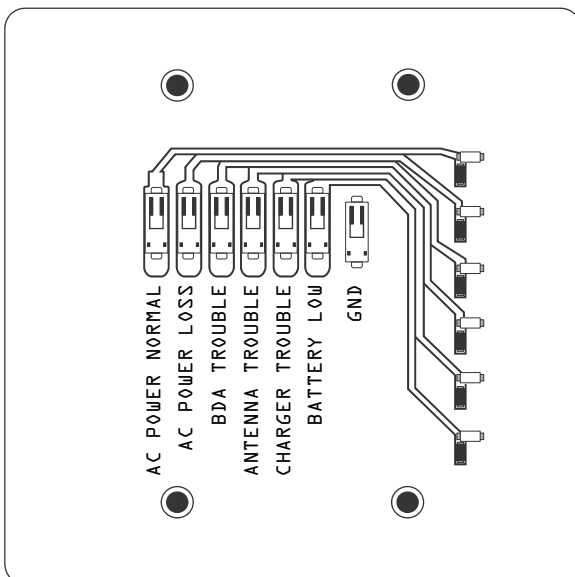


Figure 1.3 Dedicated Annunciator Panel Terminal Connections