

Models 1221A and 1221B Module Descriptions

Annunciator System with FORM-C relay outputs to main fire alarm system

(Models 1221A & Model 1221B)

This is the basic annunciator system that accepts ALARM signaling from external relays contained in the DAS equipment. The system accepts relay signaling indicating the following alarms:

- Loss of AC Power
- Amplifier Problems
- Antenna Problems
- DAS Battery Capacity below 30%
- DAS Battery Charger Fail
- Communications Faults
- Summary System Alarm

The annunciator system provides FORM-C dry relay contacts to provide alarm signaling with any fire alarm installation. The system will operate with DAS installations that include multiple amplifiers, antennas and power source, and includes circuitry to detect communications faults (open or short circuits) with the DAS equipment.

Annunciator System Backup Battery

Both models are shipped with an 8 Ahr rechargeable SLA battery that mounts inside the enclosure to provide 24 hours of backup power.

Annunciator System Power Supply and Charger

Both models are shipped with an external 12 VDC power supply and battery charger that can be connected to any 120 VAC power outlet. The battery charger includes indicators that show the health of the panel's backup battery.

Alternative Donor Antenna Failure Sense Module

(Model 1221-A only)

This module provides a means of detecting open circuit, short circuits, disconnected, severed or loose connector problems in the antenna feed from the donor. This circuitry utilizes external bias-T fittings as shown in Figure 1. If your installation has multiple donor antennas, they can be monitored using the connections shown in Figure 2.

Model 1221A should be used if your amplifier or other components in your installation do not have the means of detecting donor antenna problems.

Alternative DAS Battery Capacity Sense Module

(Model 1221-A only)

If your installation has a backup battery to provide emergency DAS power in the event of an AC power failure it must be monitored to detect when it has less than 30 % capacity left to power the system when primary power is lost.

Model 1221A should be used if your emergency power unit does not have this capability.

Alternative DAS Battery Charger Failure Sense Module

(Model 1221-A only)

If your installation has a backup battery to provide emergency DAS power in the event of an AC power failure, the battery charger must be monitored to detect if it has failed or is degraded.

Model 1221A should be used if your charger unit does not have this capability.

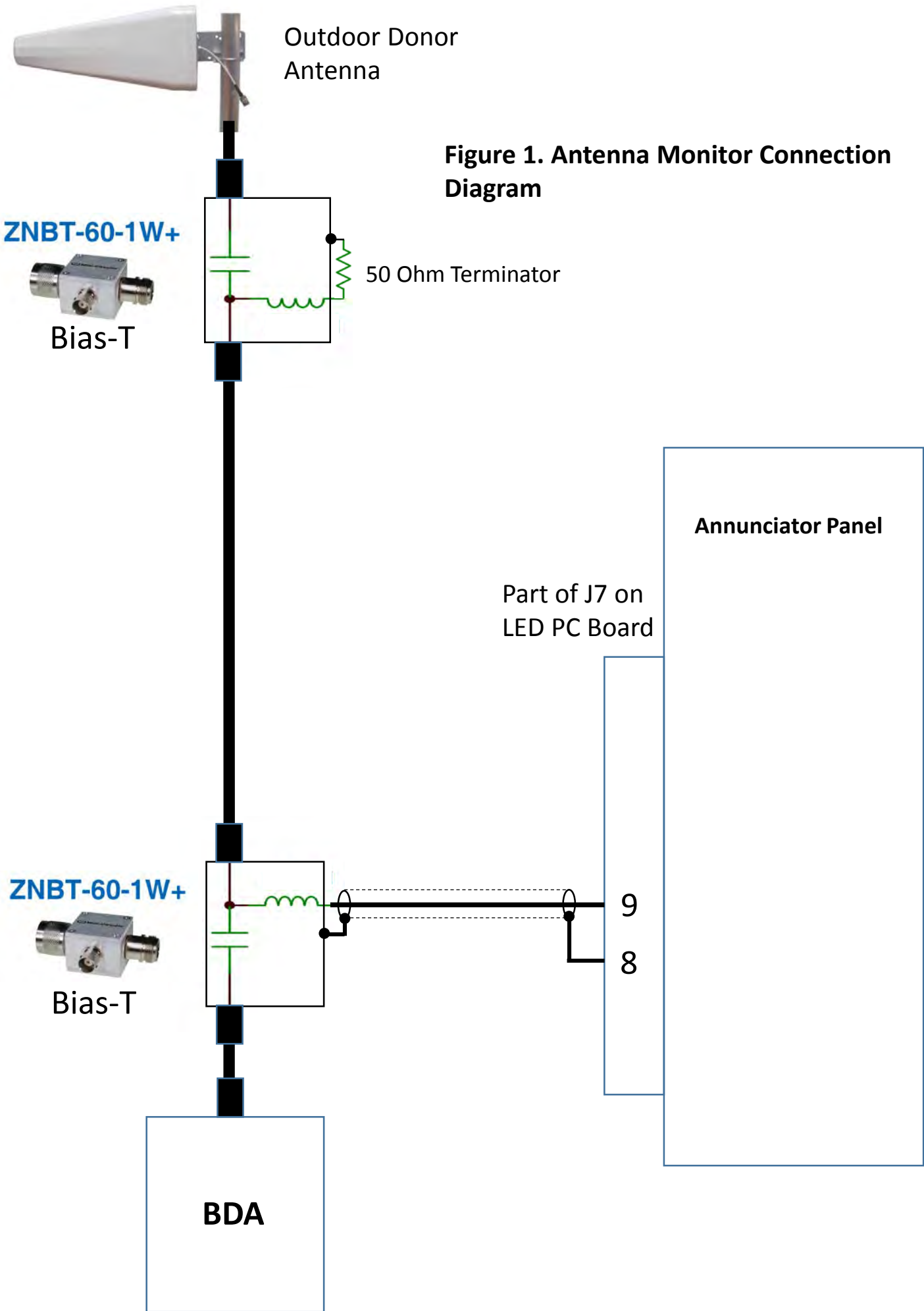


Figure 1. Antenna Monitor Connection Diagram

Outdoor Donor Antenna

ZNBT-60-1W+



Bias-T

50 Ohm Terminator

Annunciator Panel

Part of J7 on LED PC Board

9

8

BDA

ZNBT-60-1W+



Bias-T

Figure 2 . Multiple Antenna Connections to Antenna Monitor

