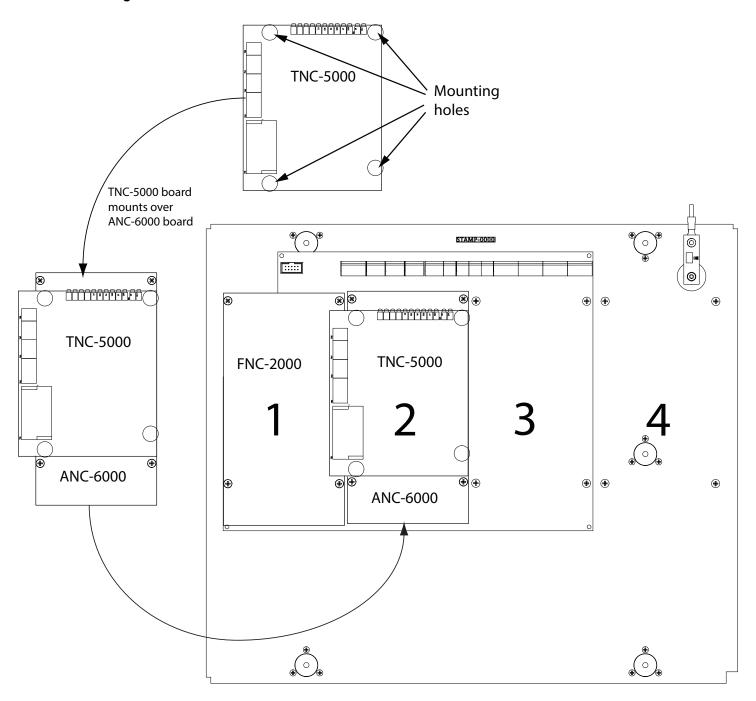


## Audio Network Controller Board Installation Instructions

### **Module Mounting Locations**

The ANC-6000 Audio Network Controller board is mounted in the center position over the FX-6000MNS-CH main fire alarm board as shown in Figure 1. If a TNC-5000 Telephone Controller board is used, it is mounted over the ANC-6000.

Figure 1 Mechanical Installation for the ANC-6000 Audio Network Controller Board



Ribbon Cable to Aux Audio Remote Mic Not used P2 on QCC-6000 CN1 Terminal Wiring Aux Audio Remote MIC
CTL + - 485 + SIG + - SIG + S-FPGA JTAG Factory use P11 JW3 Jumper factory use only, Connects to P10 on TNC-5000 leave open (off) Telephone Network Controller Module JW4 Jumper factory use only, leave closed (on) Connect RS-485 cable from P3 on the main fire alarm Connect power cable from board to P2 IN Factory use P8 on the main fire alarm on this board board to P6 on this board (daisy chain (daisy chain fashion) and fashion) and from P5 OUT to next main from P1 OUT to P5 P6 fire alarm board or to next next main fire ANC-6000 alarm board or to next FNC-2000 For debugging only DIP Switch SW1 is factory set P3 Connect to main fire at address one, SW1-1 ON. Refer to the table below for all alarm board P16 if using Digital Audio and/or Phone DIP switch address settings. 8

Figure 2 ANC-6000 Audio Network Controller Board Layout

# **DIP Switch Settings for SW1 on the ANC-6000 Board**

Addresses available for the ANC-6000 (per node) are set as noted in the following table.

### **ANC-6000 Address Setting (DIP SWITCH SW1)**

ANC-6000	ADDR	SW1-1	SW1-2	SW1-3	SW1-4	SW1-5	SW1-6	SW1-7	SW1-8
	1	ON	OFF						
	2	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
	3	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
	4	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
	5	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
	6	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
	7	OFF	OFF	OFF	OFF	OFF	ON	ON	ON

#### **ANC-6000 Wiring**

The auxiliary audio input has a maximum input of 1 VRMS. The transformer is isolated on the ANC-6000.

Connect an audio source, for example background music or paging, to the SIG terminal. Connect a normally open relay and  $3.9 \text{ k}\Omega$  resistor to the CTL terminal as shown in Figure 3. Short the relay to activate the auxiliary audio.

Figure 3 ANC-6000 Wiring Diagram

