



ANSREM Remote Microphone Installation Sheet

Product description

The ANSREM is a supervised remote microphone panel for use with the ANS25, ANS50, and ANS100 audio notification systems. The ANSREM makes it possible to send emergency voice messages through the system speakers from a location that is remote from the ANS panel.

The ANSREM uses 3-pair shielded cable to connect to ANSREMSUP supervisory card, which is mounted within the ANS master panel. Fault conditions in the wiring or in the remote microphone circuitry are reported to the fire alarm control panel (FACP) using the same supervisory path as the ANS master panel.

Specifications

Table 1: Specifications

| Model | ANSREM | ANSREMSUP |
|---------------|--------------|--------------|
| Input voltage | 24 Vdc | 24 Vdc |
| Input current | | |
| Standby | 20 mA | 30 mA |
| Active | 40 mA | 50 mA |
| Wiring | 12 to 22 AWG | 12 to 22 AWG |

Operation

When the system is in the alarm state, keying the ANSREM microphone interrupts the alarm signal and digital message. Live voice messages can then be broadcast over the system.

When the system is in normal standby state, the ANSREM microphone can be keyed to make announcements at any time.

Keying an ANSREM microphone at any time turns on the In Use LEDs on all other ANSREMs, and disables the other units. This ensures that only one operator is able page over the system. If the microphone in the master ANS panel is keyed, it overrides all ANSREM microphones.

Installation instructions

Ensure that all wiring and devices installed in the system meet the following standards:

- NFPA 70 *National Electrical Code*
- NFPA 72 *National Fire Alarm and Signaling Code*
- NFPA 101 *Life Safety Code*
- Applicable state and local codes

Install this equipment in a clean, dry environment. Avoid locations where equipment is subjected to vibration. Remove all electronic assemblies from the enclosure *before* drilling or punching the enclosure. Where possible, make all cable entries from the rear or sides. Before making any modifications to the enclosure, be certain that they will not interfere with the assemblies.

Make sure all power is off before making any wire connections.

Terminals

Table 2: Terminal descriptions

| Terminal [1] | Description |
|--------------|-------------------------------|
| TB1-1 | V+ 24 Vdc 40 mA |
| TB1-2 | Ckt Neg |
| TB1-3 | Fault +24 V (pull down 10 mA) |
| TB1-4 | PTT +24 V 10 mA |
| TB1-5 | Audio 1 Vrms 10 mA |
| TB2-1 | MIC PTT +24 V 10 mA |
| TB2-2 | V+ 24 Vdc 100 mA |
| TB2-3 | PTT +24 V 10 mA |
| TB2-4 | Audio 1 Vrms 10 mA |
| TB2-5 | Ckt Neg |
| TB2-6 | Fault +24 V 10 mA |
| TB2-7 | Earth Ground |

[1] TB1 designations are the same for both the ANSREM and ANSREMSUP. TB2 is on the ANSREMSUP only.

