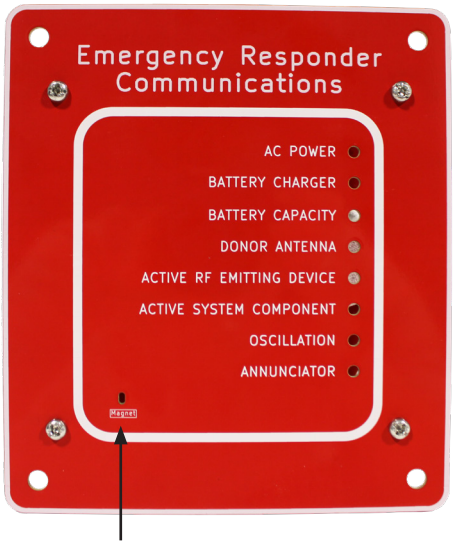
SAFE-AN-1002 Remote Annunciator

For Code-Required Alarm Notifications

Visual and Audible Alarms with Form-C Relays

The Safe-Com remote annunciator connects to the bi-directional amplifier (BDA) and provides a compact, efficient and low-cost ERRCS/ERCES solution for the remote display of the booster's NFPA alarms.

- Dedicated monitoring panel, as defined by NFPA 1221 section 9.6.13.2, provides local visual and audible annunciation of the two-way radio booster system alarms.
- A single CAT5 cable is provided to deliver power, backup power and alarm interface to the unit, ensuring quick and easy installation.
- LED function can be verified during commissioning. The LEDs are tested with a short tap of the magnet (provided with the annunciator) on the magnetic switch, which cycles the LEDs through their 2 colors.



New magnetic switch for testing LEDs and temporary muting of audible alarm.

Remote Annunciator Alarms

When an alarm is generated by the Safe-Com BDA or fiber DAS, the annunciator presents the alarm in three ways:

- Visible LED corresponding to the alarm flashes red.
- Audible alarm sounds to alert local personnel.
- Form-C relays - normally open or normally closed connections are available for external notifications.

Note: A catch-all "active system component" alarm triggers when any other alarm is generated.

Users can temporarily mute the audible alarm for 24 hours by holding the magnet over the magnetic switch for 5 seconds. New alarms will not be prevented from alarming.

The connection between the BDA and the annunciator is alarmed and monitored for integrity.

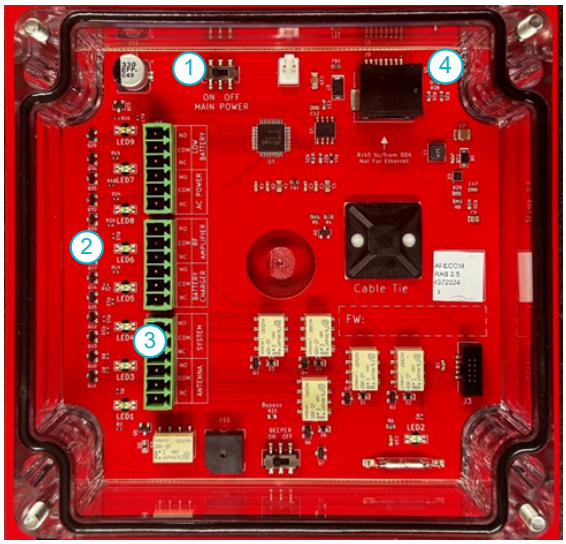
Additional Operating Features

Front panel dimensions	6.5 x 5.75 x 0.08 inches
Recessed gang box dimensions	4.5 x 4.5 x 3 inches
Enclosure	NEMA 4
Mounting	Recessed or flush
Max distance from BDA	1,000 feet*
Power	Provided by the BDA
Connection	4-pair 24 AWG CAT 5 cable, RJ45 connector

*Tested using 4 pair, 24AWG CAT5 wire, model 5ECMRWHT_1kbx CAT5E riser cable from TrueCable(TM). Test prior to installation.

N56 W24720 N. Corporate Circle • Sussex, WI 53089 | 800-451-1460
www.avire-global.com/en-us

Annunciator View from Rear of Panel



Panel back side is shown above, removed from enclosure.

1. **On/Off Switch**
   Slide to the left to turn the annunciator on after the RJ45 cable has been attached and DIP#8 (for Port 1) or #7 (for Port 2) on the BDA is enabled (up).

2. **LEDs**
   8 alarms are visually indicated on the front of the panel, each with an LED. This includes 6 NFPA alarms, an alarm to indicate if the system is oscillating and alarm to indicate the status of the data communication link.

   A green LED indicates no alarm. A red LED indicates an active alarm.

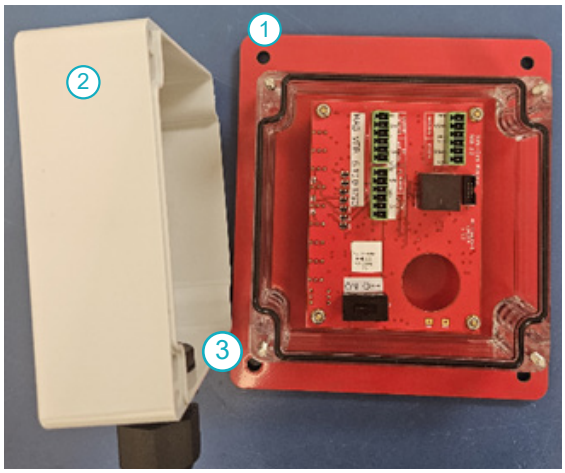
   A beep will also sound with any alarm.

3. **Relay Outputs**
   Six relays are provided for the required NFPA alarms. Additional form-C relays are provided for external notifications/connection to the fire panel. Select the two ports depending on the fire panels' input requirement: either normally open or normally closed along with the common. The mating plugs are provided (x3).

4. **RJ45 Connector**
   Power, alarms and backup battery are delivered via the RJ45 cable from the BDA. Connect the cable to the annunciator Com-Link port on the front panel of the BDA or any Fiber DAS unit.

   Feed the RJ45 cable and alarm twisted pairs through the feed-through on the NEMA enclosure, then remount the front panel onto the NEMA enclosure.

Enclosure and Mounting



1. **Connecting the Panel**
   Four screws (provided) attach the panel to the back of the NEMA 4 enclosure.

2. **Mounting the Enclosure**
   Unit can be mounted inside a cutout in a sheetrock wall for flush mounting or on a wall surface using through-holes in the enclosure back.

3. **Cable Feed-through**
   Remove the front panel from the NEMA enclosure, feed the CAT5 cable and alarm twisted pairs through the feed-through on the enclosure, then remount the front panel onto the enclosure.

N56 W24720 N. Corporate Circle • Sussex, WI 53089 | 800-451-1460
www.avire-global.com/en-us

AVIRE