

## INSTALLATION MANUAL: BUA-1000 BACKUP AMPLIFIER

### NOTICE TO THE INSTALLER

This manual provides an overview and the installation instructions for the BUA-1000 module. All terminals are power limited and should be wired in accordance with the requirements of NFPA 70 (NEC) and NFPA 72 (National Fire Alarm Code). Failure to follow the wiring diagrams in the following pages will cause the system to not operate as intended. For further information, refer to the control panel installation instructions. The module shall only be installed with listed control panels. Refer to the control panel installation manual for proper system operation.

### 1. DESCRIPTION

The BUA-1000 is a backup amplifier and booster which provides a backup solution to maintain audio output during a failure condition of an amplifier. The BUA-1000 is equipped with a stacker bracket for secure mounting. The BUA-1000 is compatible with the DCA-5025 and DCA-10025.

### 2. TECHNICAL SPECIFICATIONS

|                             |                             |
|-----------------------------|-----------------------------|
| Standby Current             | 48 mA                       |
| Alarm Current               | 52 mA                       |
| Operating Temperature Range | 32° to 120° F (0° to 49°C)  |
| Operating Humidity Range    | 10% to 93% (non-condensing) |

### 3. INSTALLATION

The BUA-1000 is connected to the DCA-5025 and DCA-10025 using a twelve (12) pin ribbon cable. The connection is supervised and power limited. The BUA-1000 must be mounted in the DCA enclosure. Each card is equipped with bracket for secure and accessible mounting.

FIGURE 1. BUA-1000 CONNECTION DIAGRAM

