



DESCRIPTION

The 10-2746, Class-A Speaker Card (See Exhibit 1) allows you to convert the four speaker circuits on the voice system Amplifier Card (P/N 10-2726) from the normal NFPA Class B wiring to Class A wiring. The card mounts directly to the amplifier card via four standoffs and interfaces with the amplifier card via the P16 terminal connection.

SPECIFICATIONS

Operating Voltage: 24 VDC, regulated

Power Consumption: 2 mA (standby), 2 mA (alarm)¹

P11A & P15A Terminals:

- Class A speakers circuits 1 – 4 (+, -, shld)
- Removable terminals accept 12-24 AWG
- Rated for 25 VAC (RMS) or 70.7 VAC (RMS)
- 50 watts maximum output
- Power-limited and supervised

P16 Terminal:

- Interface connector to Amplifier Card.

Dimensions (L x W x D):

4.0" x 3.0" x 1" (10.2cm x 7.6cm x 2.54cm)

Operating Temp: 32°F to 120°F (0°C to 49°C)

Operating Humidity: 93% RH, non-condensing

MOUNTING HARDWARE

- 02-12031 Hardware Kit
- 02-1589 #6-32 pan head screw (qty. 4)
 - 02-3794 #6-32 hex standoff, 1.25 F/F (qty. 4)

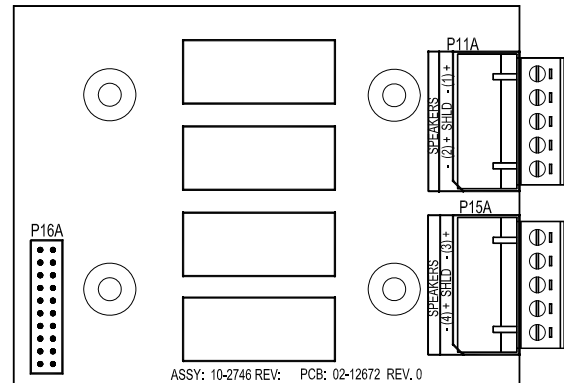


Exhibit 1 Class A Speaker Card

Caution

The panel electronics contain static sensitive components. Handle the electronics by the edges only and avoid touching the integrated components. Keep the electronics in the protective static bag it was shipped in until time for installation. Always ground yourself with a proper wrist strap before handling the module(s). If the installer is properly grounded at all times, damage due to static discharge will not occur. If the module requires repair or return to Fike, it must be shipped in an anti-static bag.

¹ Power for the card is provided via the P16 connection to the amplifier card.

INSTALLATION

Installation and wiring should be performed by qualified personnel only. Equipment damage and/or malfunction may result from improper installation. Remove all power from the system until the installation is complete and ready for testing.

1. Carefully unpack the module and check for shipping damage.
2. Remove the Amplifier Card if already installed in the back-box by disconnecting the field removable terminal blocks; then remove the four hex nut/lock washers located in each corner of the board.
3. Secure the F/F standoffs supplied to the Amplifier Card by threading the four 6x32 screws with lock washer through the back of the amplifier into the standoffs (See Exhibit 2). Make sure that the screws are not making contact with any of the electronic components on the main control board.
4. Align the Class A card mounting holes with the standoffs making sure that the P16 header pins are properly aligned.
5. Secure the Class A card to the standoffs using the four 6x32 screws provided.
6. Reinstall the Amplifier Card and reconnect wiring terminals.
7. Check field wiring for opens or shorts; then connect it to the appropriate terminals (See Exhibit 3).

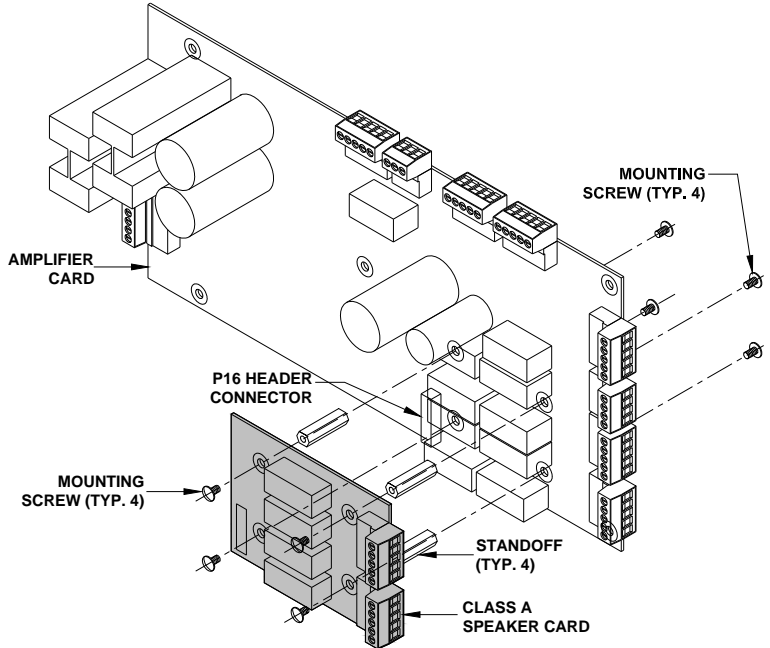


Exhibit 2 Class A Card Installation

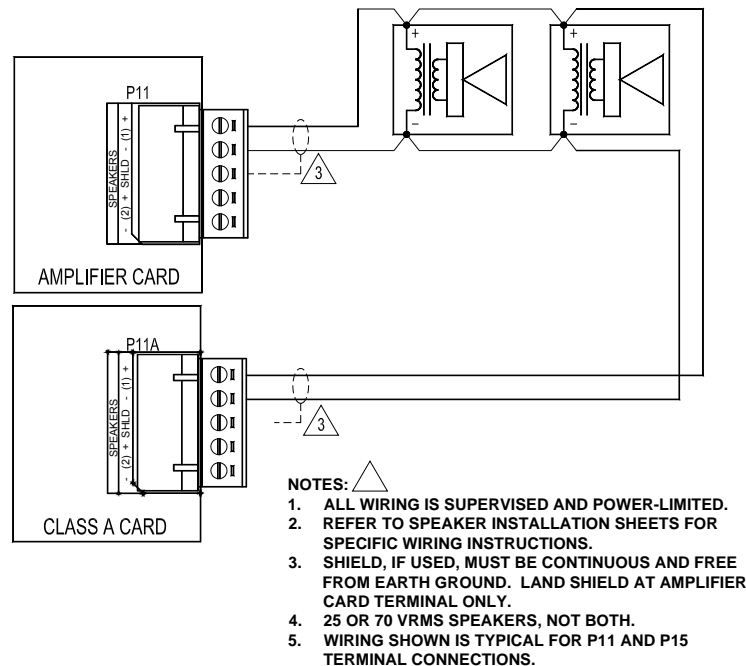


Exhibit 3 Wiring Diagram