SKE-ZN4 Zone Splitter Installation Instructions

The SKE-ZN4 is an evacuation zone splitter for use with the SKE-450. The SKE-ZN4 is capable of splitting the audio output from the main amp into four separate audio output zones or channels.

The SKE-ZN4 can be used in installations where the audio must be split to different floors or zones to accommodate a safe and efficient evacuation process.

*Note:* Installation and wiring of this device must be done in accordance with NFPA 72 and local ordinances.

Compatibility

The SKE-ZN4 is compatible with the SKE-450 control panel.

Mounting

1. Unlock and open the SKE-450 control panel cabinet door.
2. Open the control panel cover door by removing the two retaining screws and rotating the door to the left. See Figure 1.
3. Remove the SKE-ZN4 access plate.
4. Mount the SKE-ZN4 to the SKE-450 cabinet mounting standoffs with the 7/10” screw-in standoffs provided.
5. Connect wiring harness to the expansion connector on the SKE-450 and to the direct connect pins on the SKE-ZN4. See Figure 3.

*Note:* Speaker outputs of the SKE-450 must not be used with the SKE-ZN4 because supervision will not be provided at the SKE-450.

6. Wire speaker to zone outputs as required by the installation specifications. See the Speaker Wiring section.
7. Attach the cover plate to the SKE-ZN4. See Figure 3.
Speaker Wiring

Each SKE-ZN4 supplies four Notification Appliance Circuits for speaker connection. The circuits can be supervised and wired Class B (Style Y) or Class A (Style Z). Each circuit is capable of 50 watts of power.

Note: The system can support a maximum of 50 watts of power.

1. Remove the cover plate on the SKE-ZN4. See Figure 3.
2. Set the Speaker Circuit Supervision Selector to the appropriate position for Class B or Class A wiring. See Figure 4.
3. To wire speakers to the control panel using Class B (Style Y) supervision see Figure 5.
4. To wire speaker circuits to the control panel in a Class A (Style Z) configuration see Figure 6.

FACP Alarm Control Wiring

This section describes how to connect relay outputs from a FACP to control the four separate zones on the SKE-ZN4 four zone splitter.

1. Connect an active low relay or contact from the FACP to the Alarm Selects on the SKE-ZN4. See Figure 7.

Electrical Specifications

Ground Fault Impedance To Any Terminal: 0 Ω
Audio Circuit: 25 Vrms or 70.7 Vrms
Standby Input Power: 27.4 VDC @ 45 mA
Alarm Input Power: 27.4 VDC @ 250 mA