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by Honeywell

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.

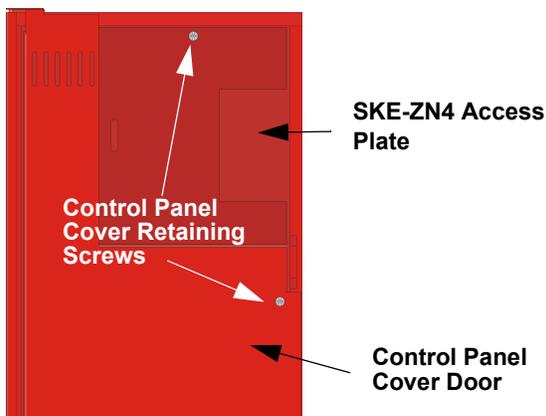


Figure 1: SKE-450 Cabinet With Control Panel Cover In Place

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.

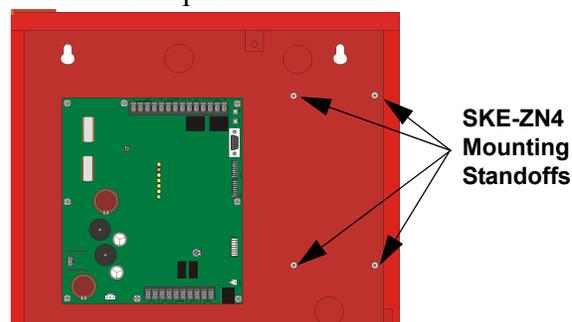


Figure 2: SKE-ZN4 Mounting Standoff Locations

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.

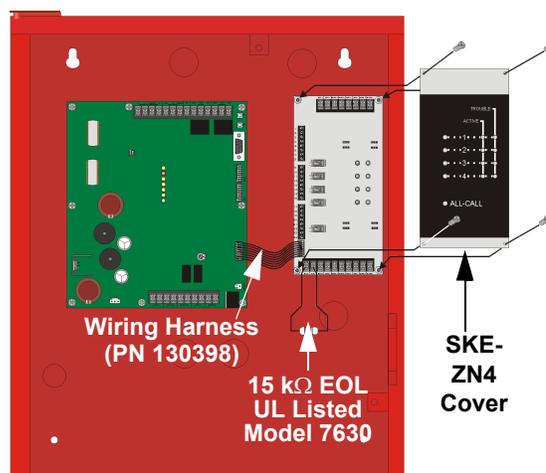


Figure 3: View With SKE-ZN4 Installed

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.

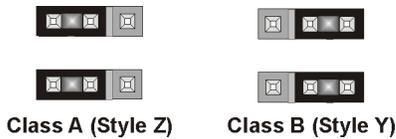


Figure 4: Speaker Circuit Supervision Selections

3. To wire speakers to the control panel using Class B (Style Y) supervision see Figure 5.

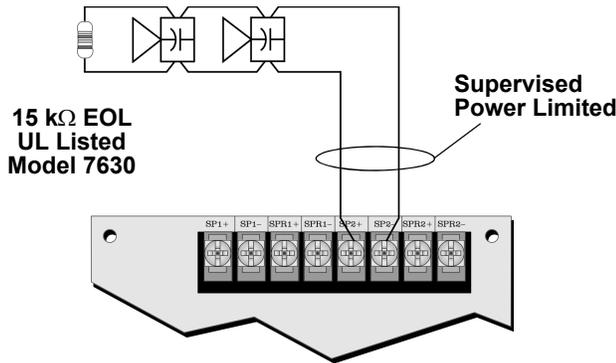


Figure 5: Class B (Style Y) Speaker Configuration

4. To wire speaker circuits to the control panel in a Class A (Style Z) configuration see Figure 6.

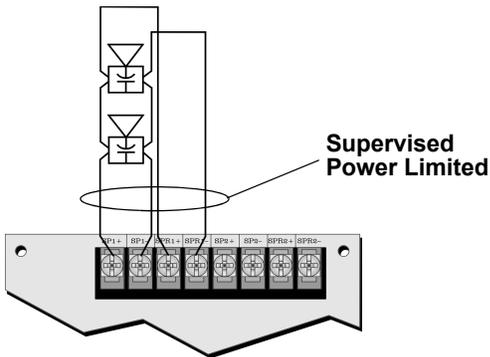


Figure 6: Class A (Style Z) Speaker Configuration

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.

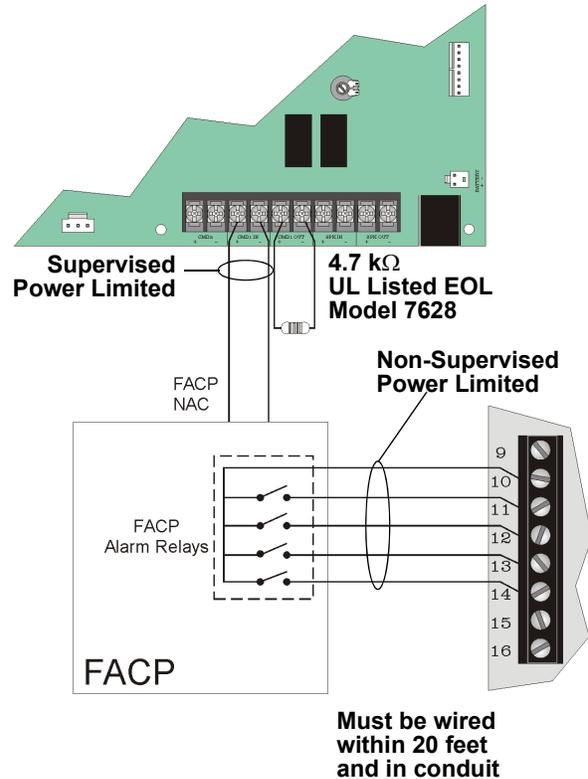


Figure 7: FACP Alarm Control Outputs

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



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