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by Honeywell

SKE-V70 Module Installation Instructions

The SKE-V70 converts the speaker circuit voltage from 25 Vrms to 70.7 Vrms. The following describe how to install and wire the SKE-V70.

Mounting

Follow these steps to install the SKE-V70 module into the main control panel cabinet:

1. Unlock and open the cabinet door.
2. Remove the two cover plate retaining screws, then open the control panel cover plate. See Figure 1.

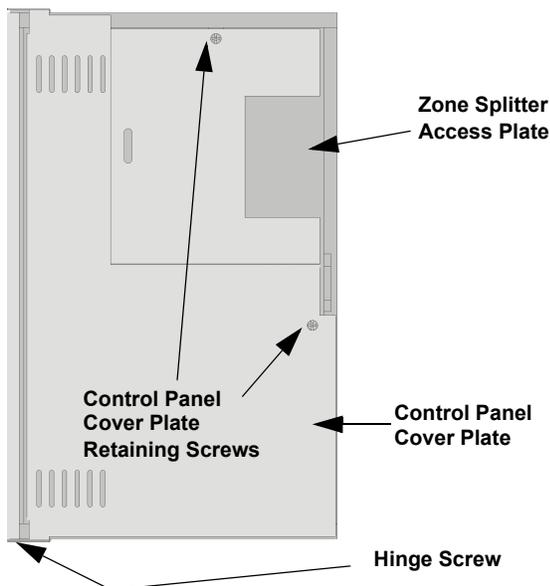


Figure 1: View of Cabinet With Cover Plate in Place

Note: The control panel cover plate can be removed by removing the Hinge screw.

3. Run all wire needed to install the system at this time.
4. Mount the module into the cabinet as shown in Figure 2.

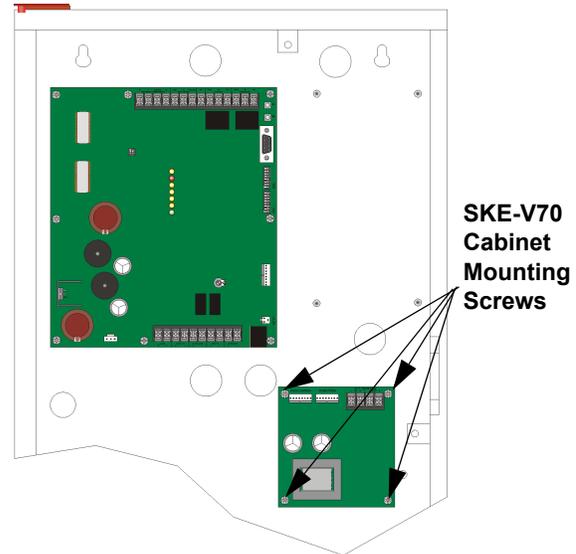


Figure 2: Main Control Board Mounting Location

5. Connect wiring as described in Section .

Wiring Connections

Each SKE-V70 supplies one NAC (Notification Appliance Circuit) for speaker connection. The speaker circuit can be supervised and wired Class B (Style Y) or Class A (Style Z). The speaker circuit is capable of 50 watts of power 70.7 Vrms (using the SKE-V70 Module).

Note: When the SKE-V70 Module is installed, all speaker wiring must be separated by a minimum of 1/4" from the low voltage wiring, and must exit the cabinet through its own opening.

Connecting the SKE-V70 to the Main Control Panel

Connect the SKE-V70 to the main control panel using the supplied wire harness. See Figure 3.

Note: Speaker outputs of the SKE-450 must not be used with the SKE-V70 because supervision will not be provided at the SKE-450.

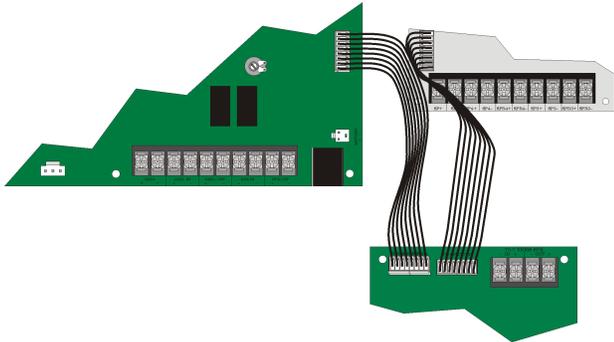


Figure 3: Wire Harness Connection From the Main Control to the SKE-V70

Connecting the SKE-V70 to the SKE-ZN4 or -ZN6

If the optional SKE-ZN4 or -ZN6 zone splitter is used in the system connect the wire harnesses as described below.

Note: Speaker outputs of the SKE-450 and SKE-V70 must not be used when using either the SKE-ZN4 or SKE-ZN6 in combination with the SKE-V70 because supervision will not be provided at the SKE-450 and the SKE-V70.

1. Connect one harness from the main control to the SKE-V70 connector marked “FROM CONTROL”. See Figure 3.
2. Connect the other harness from the SKE-V70 connector marked “TO SPLITTER” to the connector on the SKE-ZN4 or -ZN6 as shown in Figure 3.

Class B (Style Y)

Figure 4 illustrates how to wire speakers to the SKE-V70 using Class B (Style Y) supervision.

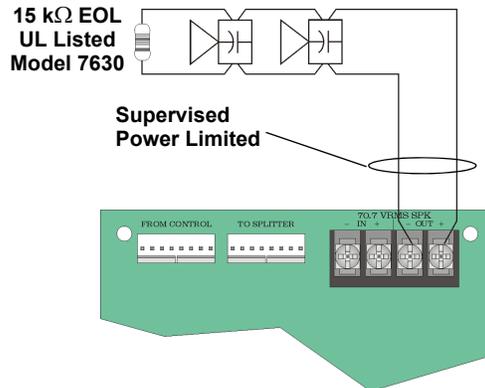


Figure 4: Class B (Style Y) Speaker Configuration

Class A (Style Z)

Figure 5 illustrates how to wire speakers to the SKE-V70 using Class A (Style Z) wiring.

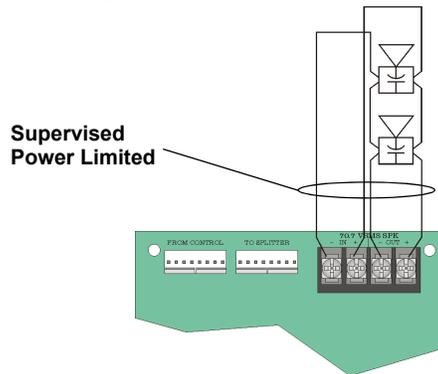


Figure 5: Class A (Style Z) Speaker Configuration

Electrical Specifications

Ground Fault Impedance To Any Terminal: 0 Ω

Standby Input Power: 27.4 VDC @ 10 mA

Alarm Input Power: 27.4 VDC @ 70 mA



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