

C.E. ELECTRONICS STAND-ALONE VOICE SYSTEM

WARNING! DO NOT APPLY POWER TO THE UNIT WITH THE SPEAKER DISCONNECTED. THIS COULD DAMAGE THE UNIT AND VOID THE WARRANTY!

INITIAL TEST AND SETUP

1. Connect the speaker to the outer terminals of J2 on the CE3541 board (the center terminal is not used).
2. Connect AC power (110VAC or 220VAC as indicated on the unit) to the outer terminals of J2 on the CE3586 board (the center terminal is not used).
3. Turn on DIP switch 1 of S1 to start self-test mode.
4. Use a small straight-blade screwdriver to adjust R63 (VOLUME) for an acceptable volume level.
5. Self-test mode plays all of the programmed floor/message announcements (not necessarily in the correct order). Verify the floors/messages meet the job requirements.
6. Turn off DIP switch 1 of S1 to end self-test.

NORMAL OPERATING MODE

1. Connect the proper signal/common wires to J3 on the CE3541 board and to JP1 and JP2 on the CE3586 board, using the diagram on the back of this page.
2. The unit should function normally and the *PLAYLED* will light whenever an announcement is active.
3. If the unit fails to operate properly, refer to the TROUBLESHOOTING section below.

TROUBLESHOOTING – If the following steps do not correct the problem, contact C.E. Tech Support at the number below.

1. No sound during self-test:
 - a. Verify DIP switch 1 of S1 is *ON*.
 - b. Verify the AC Power connection is correct and that power is *ON*.
 - c. Verify the speaker wires in 3541-J2 are properly connected.
 - d. Check the speaker installation. Verify the wires are securely connected.
 - e. Connect another (preferably “known-good”) speaker to the unit.
2. Unit operates in self-test, but sound quality is poor.
 - a. Check the speaker installation. Verify the wires are securely connected.
 - b. Examine the physical speaker installation. Anchor it firmly to prevent vibration during use.
 - c. Connect another (preferably “known-good”) speaker to the unit to see if sound quality improves.
3. Unit operates in self-test with good sound quality, but will not function in normal mode.
 - a. Verify DIP switch 1 of S1 is *OFF*.
 - b. Verify the signal/common wires in 3541-J3, 3586-JP1, and 3586-JP2 are properly connected.
 - c. Verify the signal voltages meet job requirements.
 - d. Verify the required signals are present at the voice unit. Remember that in most cases more than one signal is required to operate the voice unit.
4. Unit operates in normal mode with good sound quality, but announcements don't play in the correct order.
 - a. Verify the signal/common wire connections match the diagram on the back of this page.

PLAY STROBE – The play strobe acts as a trigger to activate the floor announcements. Signals typically used for this are *DOORS OPENING* and *CAR SLOWING*, but any signal that occurs at the right time is acceptable.

DIP SWITCH FUNCTIONS – For more information, refer to the diagram on the back of this page.

TIME DELAY FUNCTION – DIP switch 7 of S1 adds a 900-mSec time delay from the time the play strobe occurs to the beginning of the voice announcement. Use the delay in situations where the signal used for the play strobe starts the voice announcement before the correct car position signal is present.

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