

Line of Business: Modernization and Service

- March 31, 2023
- Product: ICON
- **Subject:** Potential chime disruption on devices wired to the new CNA Board (6300AAW7)
- **Problem:** There is a chance that the audible device will not function when connected to the board. The chime in-rush current is causing the output chip on the new CNA Board (6300AAW7) to shut down due to overcurrent.

The new 6300AAW7 board is backward and forward compatible with previous versions of CNA boards.

Solution:

For each unit experiencing the issue described above, verify the chime is wired to the board. If so, the following procedure should be used to add a 51 ohm, 1-watt resistor Print # 701BC001 (Part # 9761942) to reduce the in-rush current and eliminate the shutdown of the 177AK Chime or 462MX Buzzer (only if wired to a CNA board on the car top box).

Future Resolution:

- Modernization: The gongs will have the resistor assembly pre-installed.
- Service Business Center (SBC): The resistor assembly will ship with the board and assemblies will be kept in stock as a standalone item (Part # 9761942).

Installation Instructions for the Resistor Assembly:

Note: Before installing the assembly, install and operate the CNA board (see below "Replacement Instructions") and confirm the chime functionality. If the chime is **not** working, please follow the steps below.

For the 177AK (1, 2, 3, or 6) Chime, the assembly can be added to the chime wire in the fixture or on the board at the terminal strip:

- 1. Cut the black wire on the chime.
- 2. Strip each of the cut black wires.
- 3. Crimp the resistor in series with the black chime lead.

Note: If a chime is replaced, adding an upgraded chime (that already includes the resistor assembly) could result in having two resistors in the chime circuit (from the previous assembly installed anywhere in the chime circuit). This will **not** affect the functionality of the chime and the previously installed assembly does not need to be removed.



For the 462MX (1, 2, or 3) Buzzer, install the resistor assembly. The assembly can be added at any location in the circuit, between the boards and the chime:

- 1. Cut either black lead to the buzzer.
- 2. Strip each of the cut black wires.
- 3. Crimp the resistor in series with the black buzzer lead.

Note: If a buzzer is replaced, adding an upgraded buzzer (that already includes the resistor assembly) could result in having two resistors in the buzzer circuit (from the previous assembly installed anywhere in the buzzer circuit). This will **not** affect the functionality of the buzzer and the previously installed assembly does not need to be removed.



For replacing an existing CNA on Service:

Car Top Box

- 1. Capture the elevator.
- 2. Locate cartop at a landing for easy access.
- 3. Remove power and lockout/tagout.
- 4. Replace board in car top box (match jumper configuration with old board).
- 5. Remove the lockout/tagout and apply power to the controller.
- 6. Execute Via Controller UIT TECC command.
- 7. Execute Via Controller UIT DCN and verify the new CNA is communicating.
- 8. Get inside the car. Verify car riding lantern chime (if present) is functioning. Make several runs up and down, verifying the floor passing tone is functioning. If both are functioning, return the car to service. If either device does not function properly, see the Resistor Instructions above.

CNA in Controller for Hall Wiring

- 1. Capture the elevator.
- 2. Make sure no passengers remain in the elevator cabin.
- 3. Remove power and lockout/tagout.
- 4. Replace the board in the controller (match the jumper configuration with the old board).
- 5. Remove the lockout/tagout and apply power to the controller.
- 6. Execute Via Controller UIT TECF for front hall riser or TECR for rear hall riser.
- 7. Execute Via Controller UIT DHNF for front riser or DHNR for rear riser to verify the new CNA is communicating.
- 8. Go to a landing. Verify the hall lantern chime (if present) is functioning in both directions. If both are functioning, repeat for every landing. Be sure to keep a record of all landings with any chime not working. If all landings are functioning properly, place the elevator back in service. If any landing does not function properly, see resistor instructions above.