

ECC-50DA(E) ECC-125DA(E)

Distributed Audio Amplifiers



Distributed Audio Amplifiers

General

The ECC-50DA(E) and ECC-125DA(E) are intelligent 50 watt and 125 watt amplifiers that are used with the ECC-50/100(E) emergency voice evacuation system. These distributed audio amplifiers amplify an audio message for distribution throughout a facility when additional audio power is required. They are designed as self-contained amplifiers and can be conveniently installed near an area of protection to reduce wiring demands for speaker circuit outputs. Each ECC-50DA(E) is capable of producing 50 watts and each ECC-125DA(E) is capable of producing 125 watts of audio power. Both units come standard with four built-in speaker circuits (i.e., zones). An additional four speaker circuits can be added to each amplifier when an optional ECC-CE4 module is installed for a total of eight speaker circuit outputs. For larger installations any combination of up to eight, ECC-50DA(E)s or ECC-125DA(E)s can be connected to the ECC-50/100(E) to provide a total output of 1100 watts of audio power and up to 24 speaker circuit outputs. These distributed audio amplifiers are wired to the databus and the Audio-Riser bus of the ECC-50/100(E) primary operating console. They have their own power supplies with built-in battery backup and are both fully supervised by the ECC-50/100(E) for any trouble condition.

Features

- Each unit includes four onboard fully supervised audio circuits which are expandable to eight circuits when an ECC-CE4 module is added
- Any combination of up to eight ECC-50DA(E)s or ECC-125DA(E)s per system for a total of 1100 watts of audio power and 24 speaker circuit outputs.
- Supports both Class A (Style Z) and Class B (Style Y) wiring.
- Easy setup and configuration by using a simple, built-in web based programming utility on the ECC-50/100(E)
- UL2572 (Communication and Control Units Mass Notification Systems).
- Built-in power supply and battery charger that supports up to 35AH. (For batteries larger than 18 AH, use the BB-26 or BB-55F Battery Box.)
- ECC-50DA (E) is field selectable for 25 volts or 70.7 volts of operation.
- Sturdy, scratch resistant cabinet.

SOME SUITABLE APPLICATIONS

- Schools
- Healthcare Facilities
- Factories
- Theaters
- Military Facilities
- Dormitories
- Auditoriums
- Places of Worship
- Office Buildings
- Restaurants

Installation

The ECC-50DA(E) and ECC-125DA(E) can be surface or flush mounted.



Compatibility

The ECC-50DA(E) and ECC-125DA(E) are only compatible with ECC-50/100(E) Emergency Voice Evacuation systems.

Electrical Specifications

PRIMARY AC POWER:

- **ECC-50DA:** 120VAC, 60Hz, 1200mA (max)
- **ECC-50DAE:** 240VAC, 50Hz, 600mA (max)
- **ECC-125DA:** 120VAC, 60Hz, 2200mA (max)
- **ECC-125DAE:** 240VAC, 50Hz, 1250mA (max)

SPEAKER POWER:

- **ECC-50DA(E):** 50 watts @25Vrms or 70.7Vrms.
- **ECC-125DA(E):** 125 watts @25Vrms.

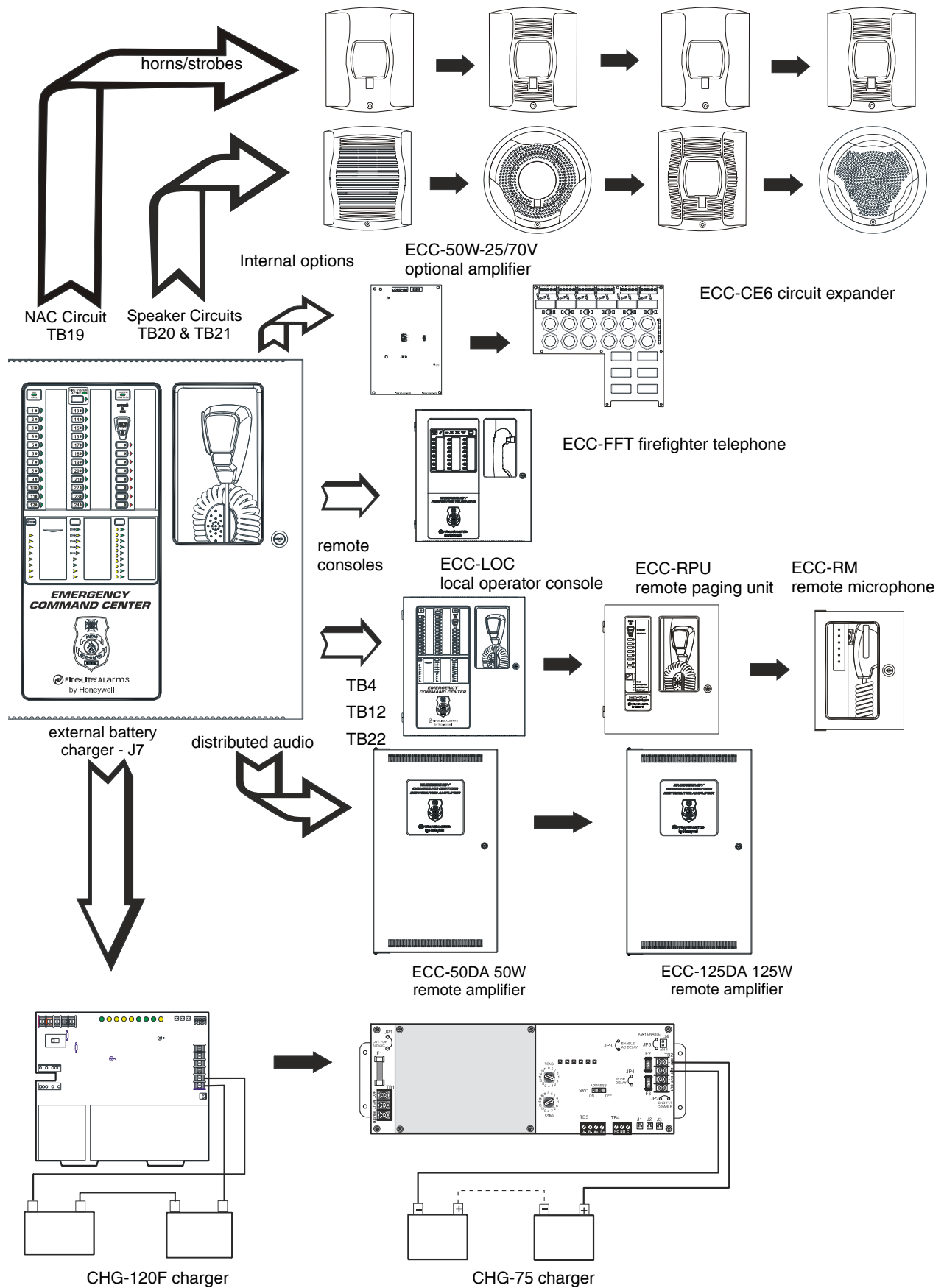
SPEAKER OUTPUTS

- **ECC-50DA(E):** Four (4) supervised Class B (Style Y) or Class A (Style Z). outputs. (Expandable to eight with ECC-CE4).
- **ECC-125DA(E):** Four (4) supervised Class B (Style Y) or Class A (Style Z). outputs. (Expandable to eight with ECC-CE4).

SECONDARY POWER (BATTERY) CHARGING CIRCUIT

- Supports lead acid batteries only.
- Battery charge capability: 7AH to 35AH

(The ECC-50DA(E) and the ECC-125DA(E) cabinet only support up to 18AH. For batteries larger than 18AH, use the BB-26 or the BB-55F battery box. A minimum of 35AH is allowed per system.



ECC-50/100(E) Emergency Command Center (Possible Configurations)

Optional Modules

ECC-CE4: Circuit Expander Module provides connections for up to four Style Z (Class A) or four Style Y (Class B) speaker circuits. Circuits are configured through the web-based programming utility on the ECC-50/100(E).

Other Accessories

BB-26: Battery cabinet used to mount up to two 26AH Batteries (BAT-12260).

BB-55F: Battery cabinet used to mount up to two 55AH Batteries (BAT-12250).

Product Line Information (Ordering Information)

ECC-50/100: (Primary operating Console) 50 Watt, 25VRMS single speaker zone emergency voice evacuation system, Integral microphone, built in tone generator and 14 recordable messages.

ECC-50/100E: Export version (Primary operating Console) 50 Watt, 25VRMS single speaker zone emergency voice evacuation system, Integral microphone, built in tone generator and 14 recordable messages.

ECC-CE6: Speaker Circuit/Zone Expander Module.

ECC-50W-25V: Audio amplifier module 25Vrms, 50 watt.

ECC-50W-70V: Audio amplifier module 70Vrms, 50 watt.

ECC-XRM-70V: 70V Transformer conversion module for 70V operation.

ECC-LOC: Local Operator Console (Complete user interface), *Please refer to the data sheet DF-60762 for more information.*

ECC-RPU: Remote Page Unit Hand held microphone, 14 message buttons. *Please refer to the data sheet DF-60761 for more information.*

ECC-RM: Remote Microphone only. *Please refer to the data sheet DF-60760 for more information.*

ECC-50DA: Distributed (Remote) Audio Amplifier, 50 watts.

ECC-125DA: Distributed (Remote) Audio Amplifier, 125 watts.

ECC-50DAE: Export version, Distributed (Remote) Audio Amplifier, 50 watts, 240 VAC, 50 Hz.

ECC-125DAE: Export version, Distributed (Remote) Audio Amplifier, 125 watts, 50 watts, 240 VAC, 50 Hz.

ECC-CE4: Distributed Audio Speaker Circuit/Zone expander module.

ECC-FFT: Fire Fighter Telephone System. *Please refer to the data sheet DF-60765 for more information.*

FPJ-F: Remote Phone Jack.

FHS-F: Fire Fighters Remote Handset.

FHSC-RF: Fire Fighters Handset Cabinet Recessed.

FHSC-SF: Fire Fighters Handset Cabinet Surface Mount.

MMF-301: Addressable Mini-Monitor Module.

I300: SLC Line Isolation Module.

TR-CE: Optional Trim Ring.

CHG-75: 25 to 75 ampere-hours (AH) external battery charger.

CHG-120F: 25-120 ampere-hours (AH) external battery charger.

ECC-MICROPHONE: Replacement microphone only.

THUMBLTCH: Optional Thumb Latch. (Non-UL Listed).

BAT-1270: Battery, 12volt, 7.0AH (Two required).

BAT-12120: Battery, 12volt, 12.0AH (Two required).

BAT-12180: Battery, 12volt, 18.0AH (Two required).

Wiring Requirements

See Product manual part number: LS10027-000FL-E for detailed wiring requirements.

Cabinet Specifications

16" W x 26.25" H x 4.125" D (40.64cm W x 66.68cm H x 10.48cm D).

Shipping Specifications

ECC-50DA Weight: 25.8 lbs (11.7kg)

ECC-50DA(E) Weight: 25.8 lbs (11.7kg)

ECC-125DA Weight: 24.3 lbs (11.02kg)

ECC-125DA(E) Weight: 24.3 lbs (11.02kg)

Temperature and Humidity ranges

This system meets NFPA requirements for operation at 0-49° C/32-120° F and at a relative humidity 93% ± 2% RH (non-condensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15-27° C/60-80° F.

Agency Listings and Approvals

The listings and approvals below apply to the basic ECC-50/100(E) Fire emergency voice evacuation system. In some cases, certain modules may not be listed by certain approval agencies or listing may be in process. Consult factory for latest listing status.

UL Listed S624.

Standards and Codes

The ECC-FFT complies with the following UL Standards and with NFPA 72 Fire Alarm system requirements.

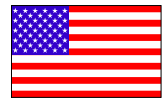
UL 864.

UL 2572.

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