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

Distributed Audio Amplifiers

Fire·Lite Alarms
by Honeywell

General

The ECC-50DA(E), ECC-50BDA, and ECC-125DA(E) are intelligent 50 watt, 100 watt, and 125 watt amplifiers that are used with the ECC-50/100(E) Emergency Command Center. 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 units 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 of total power and includes four built-in, fully supervised speaker circuits/zones. The ECC125DA(E) is capable of producing 125 watts of total power with four built-in, fully supervised speaker circuits/zones. Both amplifiers are expandable to include eight speaker circuits when an optional ECC-CE4 module is installed.

For installations that require survivability, the ECC-50BDA provides 50 watts or 100 watts of primary power along with 50 watts of backup power and comes standard with eight built-in, fully supervised speaker circuits/zones.

Any combination of up to eight, ECC-50DA(E)s, ECC-50BDAs, 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 data bus and the Audio-Riser bus of the ECC-50/100(E) primary operating console. They have their own power supplies with built-in battery charger and are both fully supervised by the ECC-50/100(E) for any trouble conditions.

Features

- The ECC-50DA(E) and ECC-125DA(E) units come standard with four onboard fully supervised speaker circuit zones, and are expandable to eight circuits when an optional ECC-CE4 module is added.
- The ECC-50BDA includes eight onboard fully supervised speaker circuits/zones.
- Any combination of up to eight ECC-50DA(E)s, ECC-50BDAs, or ECC-125DA(E)s per system can be used with the ECC-50/100(E) for a total of 1100 watts of audio power and 24 speaker circuit outputs.
- The ECC-50BDA can be used in the following configurations:
  - 50 Watts primary / 50 Watts back up
  - 100 watts primary / No back up
  - 100 watts primary / 50 Watts backup (Optional ECC-50BU required)
- 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). UL 864 (Emergency Voice Evacuation for Fire).
- 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) and ECC-50BDA are field selectable for 25Vrms or or 70.7Vrms of operation.

- Sturdy, scratch resistant cabinet.

SOME SUITABLE APPLICATIONS

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

Installation

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

Compatibility

The ECC-50DA(E), ECC-50DA and ECC-125DA(E) are only compatible with the ECC-50/100(E) Emergency Command Center System.

Electrical Specifications

PRIMARY AC POWER:

- **ECC-50DA:** 120VAC, 60Hz, 1200mA (max).
- **ECC-50DAE:** 240VAC, 50Hz, 600mA (max).
- **ECC-50BDA:** 120VAC, 60Hz, 2470mA (max).
- **ECC-125DA:** 120VAC, 60Hz, 2200mA (max).
- **ECC-125DAE:** 240VAC, 50Hz, 1250mA (max).

SPEAKER POWER:

- **ECC-50DA(E):** 50 watts primary only (25Vrms or 70.7Vrms).

- **ECC-50BDA:** 50 watts primary & 50 watts back up (25Vrms or 70.7Vrms); 100 watts primary only (25Vrms or 70.7Vrms); 100 watts primary & 50 watts back up (25Vrms or 70.7Vrms) (ECC-50WBU installed).
- **ECC-125DA(E):** 125 watts primary only (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-50BDA:** (8) supervised Class B (Style Y) or Class A (Style Z). outputs.
- **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), ECC-BDA 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.*)

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

ECC-50BDA: Distributed (Remote) Audio Amplifier with back up, 50 watts/100 watts at 25Vrms or 70Vrms.

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

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

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

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. *Please refer to the data sheet DF-60734 for more information.*

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. 240 VAC, 50 Hz. *Please refer to the data sheet DF-60734 for more information.*

ECC-CE6: Speaker Circuit/Zone Expander Module.

ECC-50W-25V: 25V, 50 watt audio amplifier module. Adding a second speaker circuit increases the total ECC-50/100 power output to 100 watts or can also be used as a backup amplifier.

ECC-50W-70V: 70V, 50 watt audio amplifier module. Adding a second speaker circuit increases the total ECC-50/100 power output to 100 watts or can also be used as a backup amplifier.

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-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).

BAT-1260: Battery, 12volt, 26.0AH (Two required).

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).

ECC-50WBU: Expander card for ECC-50BDA remote amplifier for 100 watt primary / 50 watt back up operation.

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)

ECC-50BDA Weight: 28 lbs (12 kg)

ECC-50WBU Weight: 3 lbs (1 kg)