

# ECC-LOC

## Local Operator Console



### Emergency Communications

#### General

Fire-lite's ECC-LOC is an optional Local Operator Console that is compatible with the ECC-50/100 Emergency Command Center for fire protection applications and mass notification. It is part of a family of external remote consoles that allows for extending the ECC-50/100 display and control to remote locations within a building. It consists of a complete operator interface that is identical to the ECC-50/100 main console as well as a built-in microphone with a push-to-talk feature for ALL CALL paging. It is housed in a cabinet with a key or an optional thumb lock to prevent unauthorized access. The local operator console requires an external data bus connection, an external audio riser connection, and an external operator interface power connection (24 Volts DC) from the ECC-50/100 main console.

#### TYPICAL APPLICATIONS

The ECC-LOC is used in applications that require single-channel voice evacuation for buildings with an occupancy greater than 1,000 occupants.

#### Features

- Provides messaging status and control of the ECC-50/100 primary operator console.
- Complete operator interface that is identical to the ECC-50/100 that includes a built-in microphone for ALL CALL paging.
- Certified for seismic applications
- A maximum of eight ECC-LOCs can be connected to an ECC-50/100 primary operating console.
- Built-in microphone with push-to-talk feature that can be used for ALL CALL paging.
- Fourteen programmable message buttons that can be used to activate all speaker circuits remotely.
- Sturdy cabinet design with a keyed lock to prevent unauthorized access. Optional thumb lock available.
- Simple and straightforward user interface.

#### Electrical Specifications

##### PRIMARY POWER REQUIREMENTS:

**Voltage** 24VDC non-resettable power from the ECC50/100. External Operator Interface Power (Non-supervised).

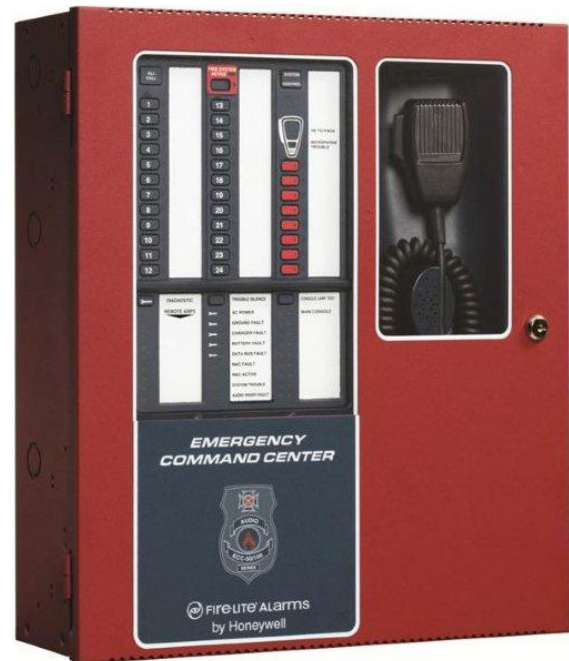
See ECC-50/100 Product Manual P/N LS10001-000FL-E for standby and alarm current requirements as well as battery calculations.

#### Cabinet Specifications

**Backbox:** 19.0" (48.26 cm) high x 16.65" (42.29 cm) wide x 5.2" (13.23) deep.

**Door:** 19.26" (48.92cm) high x 16.821" (42.73cm) wide x 670" (1.707cm) deep.

**Trim Ring (TR-CE):** 22.00" (55.88 cm.) high x 19.65" (49.91 cm.) wide



#### Shipping Specifications

Weight: 18.44 lbs (8.36 kg).

#### Agency Listings and Approvals

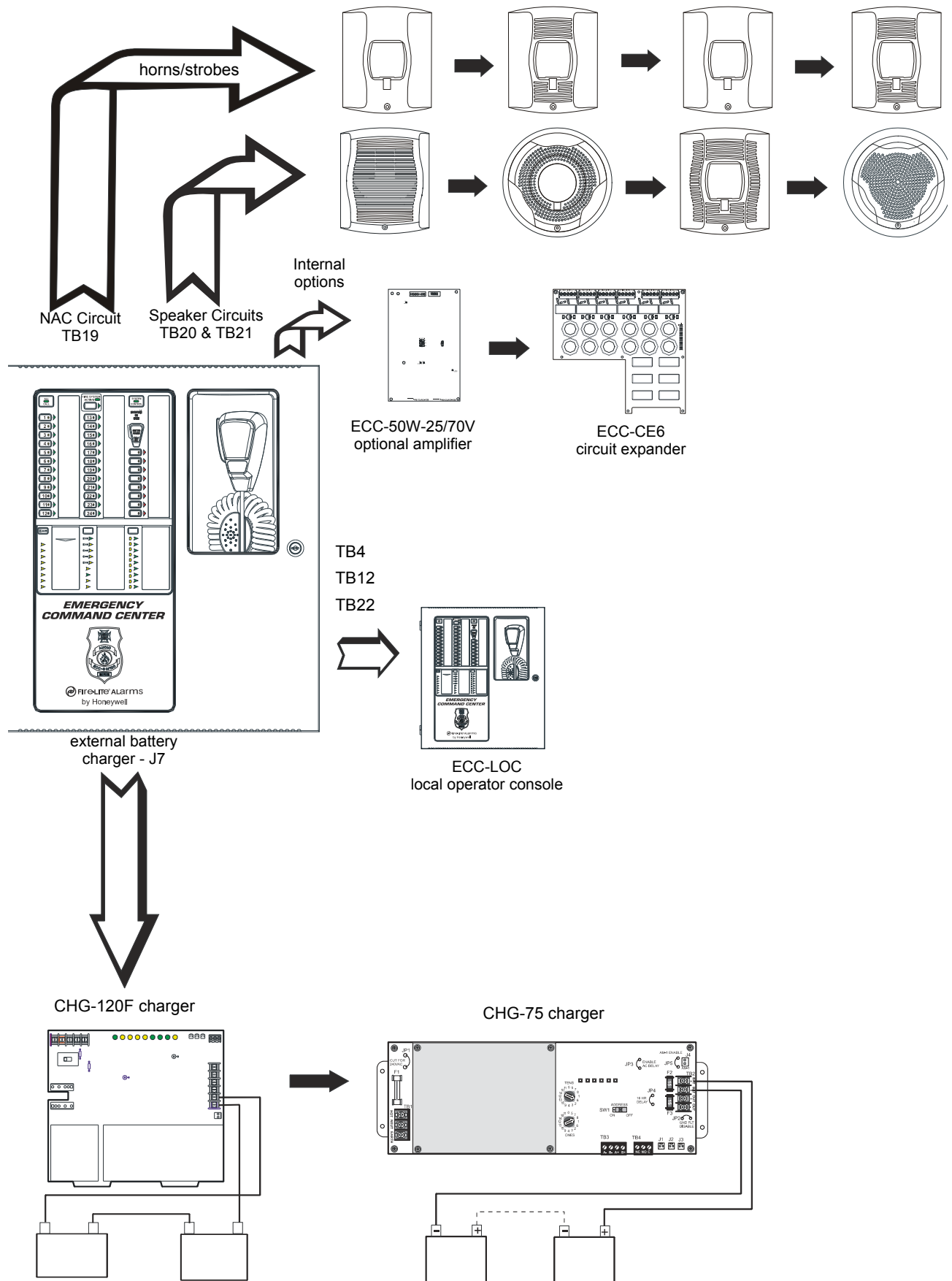
The listings and approvals below apply to the basic ECC-50/100 Fire emergency voice evacuation system. In some cases, certain modules may not be listed by certain approval agencies or listing may be in process. Consult factory for latest listing status.

- UL/ULC Listed S2424.
- FM Listed.

#### Standards and Codes

The ECC-LOC complies with the following ULC Standards, with NFPA 72 Fire Alarm system requirements, and International Building Codes.

- CAN/ULC-S527.
- IBC 2012, IBC 2009, IBC 2006, IBC 2003, IBC 2000 (Seismic).



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

## Control and Indicators

### PUSH BUTTON CONTROLS

- All Call
- MNS Control
- System Control
- Speaker Select 1-24
- Message Select Buttons 1-8
- Diagnostic Select
- Trouble Silence
- Console Lamp Test

### LED STATUS INDICATORS (VISIBLE WITH DOOR CLOSED)

- Fire System Active (green)
- MNS Control (green)
- System Control (green)
- System in Use (green)
- Speaker Zone 1-24 Active (green)
- Speaker Zone 1-24 Fault (yellow)
- OK to Page (green)
- Microphone Trouble (yellow)
- Message 1-8 Active (red)
- Message 1-8 Fault (yellow)
- Remote Amplifier 1-8 Fault (yellow)
- LOC/RM 1-8 Fault (yellow)
- LOC/RM 1-8 Active (green)
- Main Console Fault (yellow)
- AC Power (green)
- Ground Fault (yellow)
- Charger Fault (yellow)
- Battery Fault (yellow)
- Data Bus Fault (yellow)
- NAC Fault (yellow)
- NAC Active (green)
- System Trouble (yellow)
- Audio Riser Fault (yellow)

### LED STATUS INDICATORS (VISIBLE WITH DOOR AND DRESS PANEL OPEN)

- Speaker Volume Control Fault (yellow)
- Option Card Fault (yellow)
- Amplifier Over Current Fault (yellow)

## Product Line Information (Ordering Information)

**ECC-LOC:** Local Operator Console (Complete user interface).

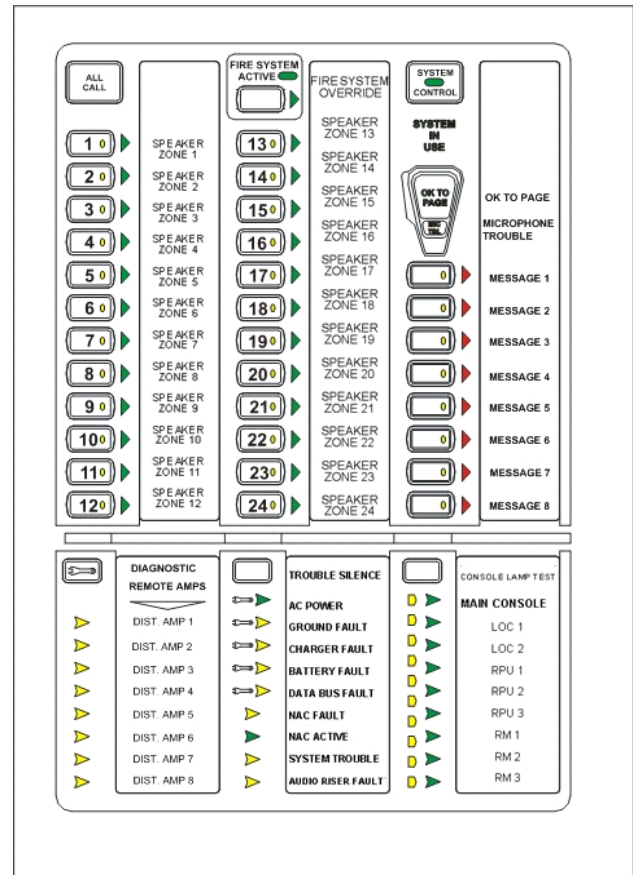
**ECC-50/100:** (Primary operating Console) 50 Watt, 25VRMS single speaker zone emergency voice evacuation system, Integral microphone, built in tone generator and 14 recordable messages. *Please refer to the data sheet DF-60815 for more information.*

**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.

**MMF-300:** Addressable Mini-Monitor Module.

**I300:** SLC Line Isolation Module.

**TR-CE:** Optional Trim Ring. 17.624" high (44.77 cm) x 16.0" wide (40.64 cm).

**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.

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

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

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

**THUMBLTCH:** Optional Thumb Latch. (Non UL listed).

## Temperature and Humidity ranges

This system meets ULC 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.

## Optional Accessories

**TR-CE:** Optional Trim Ring. 17.624" high (44.77 cm) x 16.0" wide (40.64 cm).

**SEISKIT-COMMENC:** Seismic kit for the ECC-LOC. *Please refer to document 53880* for requirements on mounting the ECC-LOC for seismic applications

## Wiring Requirements

See Product manual part number: LS10028-000FL-E for detailed wiring requirements.

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information, contact Fire•Lite Alarms.  
(888) 289-1114  
10 Whitmore Road  
Woodbridge, Ontario L7L 7Z4  
[www.firelite.com](http://www.firelite.com)

