

# E3 Series® Classic

## Emergency Voice Evacuation System

### General

The E3 Series® Classic Emergency Voice Evacuation System is an intelligent, networked, multi-channel voice evacuation system that uses analog, bulk voice amplification. The E3 Series Classic uses the latest generation of fire alarm control panel sub-assemblies that include the following:

- Intelligent Loop Interface-Main Board (ILI-MB-E3/ILI95-MB-E3)
- Intelligent Network Interface-Voice Gateway (INI-VGE-Third Generation and Legacy: INI-VGE-FO or INI-VGE-UTP)
- Addressable Node Expander (ANX)
- Repeater (RPT-E3)
- Power Supply (PM-9/PM-9G)
- Addressable Switch Sub-Assembly (ASM-16)
- Amplifier-100 watt (AA-100) or Amplifier-120 watt (AA-120)
- Remote LED Driver (ANU-48)
- LCD Display (LCD-E3) or LCD Touchscreen Display (LCD-SLP)
- Network Graphic Touchscreen Annunciator (NGA) Display

The E3 Series Classic draws on 100 or 120 watt amplifiers for powerful, bulk amplification that can be used in a variety of large-scale facilities such as industrial, university, or high-rise complexes.

The E3 Series Classic is a peer-to-peer, self-regenerating token ring passing network consisting of up to (64) nodes. In addition, the Addressable Node Expander (ANX) board expands the network to (122) nodes. The E3 Series Classic System is a modular design. This design allows a wide range of configurations from three basic assemblies to form an integrated, distributed fire alarm system with bulk audio evacuation and fire command capability.

The E3 Series Classic System can have multiple command centers. Each command center can occupy one node on the network. These multiple command centers can either serve as remote command centers duplicating the functions of a main command center or operate as an independent command center for each location in a large-scale facility.

A node may consist of an Intelligent Network Command Center (INCC-C) comprised of Intelligent Network Interface-Voice Gateways (INI-VGE), fully programmable Addressable Switch (ASM-16) sub-assemblies, a microphone for paging, and a telephone handset for fire fighter communications. The E3 Series Classic includes the following components:

- Intelligent Network Interface-Voice Gateway (INI-VGE-Third Generation and Legacy: INI-VGE-FO or INI-VGE-UTP)
- Addressable Switch Sub-Assembly (ASM-16)
- Amplifier-100 watt (AA-100) or Amplifier-120 watt (AA-120)
- Remote LED Driver (ANU-48)
- ILI-E3 and ILI95-E3 Series loop modules

## FEATURES & BENEFITS

- IBC Seismic Certified
- Listed under UL® Standard 864, 9th Edition
- UL® Listed for smoke control (dedicated and non-dedicated) when properly configured
- FM/UL® Listed for Pre-action/Deluge use
- Provides up to (20), (100) or (120) watt amplifiers per INI-VGE sub-assembly
- Accommodates up to (122) nodes
- Network communications convey all fire alarm communication over unshielded, twisted-pair or fiber-optic cable
- Wires can extend up to 3,000 feet (8890 cm) between each node while the fiber-optic cable can tolerate up to 8 dB loss between each node



*E3 Series Classic*

## Installation

An array of cabinets allows for neat, compact, attractive installations. There are several cabinet options available in the E3 Series Classic System.

**Note:** The INCC Inner Door is used to install the ASM-16/ANU-48 sub-assemblies and microphone.

The E3 Series Classic System offers the following enclosure:

- Amplifier Enclosure (CAB-B3, CAB-D3) that houses the AA-100 and AA-120 amplifiers. The enclosures are available in three (C3) or four D3 tiers, with one amplifier occupying one tier.

For additional information on the cabinets, refer to the E3 Series Cabinets data sheet (Part Number: 9020-0649).

### ORDERING INFORMATION

Part Number	Description
<b>E3 Series</b>	<b>Expandable Emergency Evacuation System</b>
<b>ILI-MB-E3</b>	Intelligent Loop Interface-Main Board
<b>ILI-S-E3</b>	Intelligent Loop Interface-Expansion Board
<b>ILI95-MB-E3</b>	Intelligent Loop Interface95-Main Board
<b>ILI95-S-E3</b>	Intelligent Loop Interface95-Expansion Board
<b>ANX-SR</b>	Addressable Node Expander-Single Ring
<b>ANX-MR-FO</b>	Addressable Node Expander Multi-Ring Fiber Optic
<b>ANX-MR-UTP</b>	Addressable Node Expander Multi-Ring Unshielded Twisted-Pair
<b>LCD-E3</b>	LCD Keypad Display
<b>LCD-SLP</b>	LCD Touchscreen Display
<b>RPT-E3-UTP</b>	Repeater Module-Twisted-pair
<b>FML-E3</b>	Fiber Option Module-Multi-Mode
<b>FSL-E3</b>	Fiber Option Module-Single Mode
<b>1100-0505</b>	Network LCD Annunciator (NGA)
<b>1100-0503</b>	Remote LED Driver Module (ANU-48)
<b>PM-9/PM-9G</b>	Power Supply Module

### INCC-C Intelligent Network Command Center- Classic

#### INI-VG Series (Third Generation-Voice Gateway Models):

<b>INI-VGE</b>	Classic Bulk Voice Gateway with unshielded twisted-pair wire networking, optional fiber-optic module connection.
<b>FML-E3</b>	Fiber-optic module, multi-mode fiber connector, single channel
<b>FSL-E3</b>	Fiber-optic module, single mode fiber connector, single channel

#### INI-VG Series (Legacy Modules):

<b>1100-1325</b>	INI-VGE-FO, Classic enabled voice gateway, fiber-optic module
<b>1100-1326</b>	INI-VGE-UTP, Classic enabled voice gateway, unshielded, twisted-pair

#### Remote Annunciator:

<b>1100-0455</b>	Programmable switch modules (ASM-16) (occupies one slot of inner door)
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#### Cabinets:

<b>INCC-IDT</b>	Inner door with one double slot for INCC-TEL handset & 4 slots
<b>INCC-ID</b>	Inner door with 6 slots
<b>INCC-CABR</b>	INCC backbox (black) with red outer door
<b>Dimensions:</b>	19" H x 19" W x 4" D (48 H x 48 W x 10 D cm)

### ORDERING INFORMATION

Part Number	Description
<b>Optional INCC Accessories</b>	
<b>INCC-TEL</b>	Fire fighter telephone handset (requires INCC-IDT inner door)
<b>INCC-MIC</b>	Paging microphone module (occupies 1 slot on inner door)
<b>INCC-BP</b>	Command center blank face plate (occupies 1 slot on inner door)
<b>ANU-48</b>	Remote LED driver module (occupies 1 slot on inner door)
<b>Bulk Amplification</b>	
<b>AA-100</b>	Audio Amplifier, 100W @70.7 V <sub>RMS</sub> w/built-in tone generator, 120 VAC
<b>AA-120</b>	Audio Amplifier, 120W @25 V <sub>RMS</sub> w/built-in tone generator, 120 VAC
<b>ACT-1</b>	Audio coupling transformer, for audio systems w/multiple supplies
<b>FCI-DR-C4B</b>	Blank door, lock & keys, for backbox accepting 3 chassis, (Black)
<b>FCI-DR-C4BR</b>	Blank door, lock & keys, backbox accepting 3 chassis, (Red)
<b>FCI-DR-D4B</b>	Blank door, lock & keys, for backbox accepting 4 chassis, (Black)
<b>FCI-DR-D4BR</b>	Blank door, lock & keys, backbox accepting 4 chassis, (Red)
<b>SBB-C4</b>	Backbox, 3 chassis, (Black)
<b>SBB-D4</b>	Backbox, 4 chassis, (Black)
<b>Optional Amplifier Accessories</b>	
<b>FCI-CHG-120</b>	Battery charger, 25-120 A/H sealed lead-acid, mounts in FCI-LBB box
<b>FCI-LBB</b>	Battery box, accommodates batteries up to 55 A/H, black

### Seismic Battery Bracket Kits

Note: For information on the types of Seismic Battery Bracket Kits that are available and the Seismic Battery Bracket Kit Part Numbers and the installation instructions, refer to the following documents:

Seismic Battery Bracket Installation Guide, P/N: 53839  
E3 Series Cabinets Data Sheets, P/N: 9020-0649

# E3 Series® Classic Technical Specifications

## SPECIFICATIONS

**Operating Voltage:** 24 VDC

**Operating Temperature:** 32 - 120° F (0 - 49° C)

**Relative Humidity:** not to exceed with 85% non-condensing at 90° F (32° C)

## 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.

## STANDARDS

The E3 Series Classic System is designed to comply with the following standard:

**UL Standard:** UL 864 9th Edition

## AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult the factory for the latest listing status.

**UL Listed:** S1869

**FM Approved:** 3025415

**MEA Approved FDNY #:** 6175, COA #-217-06-E

**CSFM:** 7165-1703:125

**City of Chicago Approved:** Class 1 Class 2 High Rise

**City of Denver Approved**

**ISO 9001 Certification**

For a complete listing of all compliance approvals and certifications, please visit:

<http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx>

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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

Learn more about Gamewell-FCI's E3 Series® Classic and other products available by visiting [www.Gamewell-FCI.com](http://www.Gamewell-FCI.com)

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