E3 SERIES® LOC

Local Operating Console

The Local Operating Console is a panel that houses the audio paging devices used for the emergency messaging systems.



E3 Series®, LOC

GENERAL

The Gamewell-FCI, E3 Series®, Local Operating Console (LOC) is a paging component that houses the modules that support the remote audio paging devices used for emergency notification. It can be remotely distributed in real-time via pre-recorded messages, live voice paging, or text messages. It is used in the following E3 Series Systems.

- E3 Series Expandable Emergency Evacuation System
- E3 Series Combined Fire and Mass Notification System to comply with the DOD, United Facilities Criteria (UFC) guidelines
- E3 Series Broadband Voice Evacuation Systems

The LOC's robust distributed messaging capabilities allow users to program the system to broadcast messages that automatically change as the situation changes. This versatile feature makes it possible for the system to simultaneously distribute different emergency communications to zones, floors, multiple buildings, large outdoor campuses or facility areas.

The Local Operating Console uses a state-of-the-art Digital Signal Processor (DSP) that produces reliable, high fidelity audio messaging and it allows live voice instructions. The Network Touchscreen Graphic Annunciator (NGA) provides the LOC with the capability to display text messaging over the network to all Local Operating Consoles within a protected area. The Addressable Switch Module (ASM-16) includes 16 programmable switches for message, control, and zone paging.

The E3 Series LOC communicates over the network, allowing full communication and control Class X over a single pair of wires or fiber-optic cable. This E3 Series distributed architecture, including Class X wiring configuration, provides complete supervision and survivability if a fault condition occurs or the system is compromised. All LOCs on the network are supervised.

The Local Operating Console comprises the following components:

- AA Cabinet with mounting patterns for the INI-VG Series
- 3-slot inner door for mounting the following:
- One INCC-MIC paging microphone
- One or two ASM-16s
- One ASM-16 and one NGA

Note: Gamewell-FCI recommends you install the speakers at 4 ft. (1.2 m) or more from the microphone.

FEATURES & BENEFITS

- Complies with UL 864 10th Edition Standard
- Listed under UL® Standard UL2572 for Mass Notification
- IBC Seismic Certified
- Offers instantaneous audio or text messaging
- Includes an optional thumb quarter turn latch and trim ring available
- Includes 16 message capacity with up to a 3 minute duration per each LOC
- Supports up to two ASM-16 modules for a total of 32 switches used for each LOC
- Allows messages to be easily field-configured via a laptop computer
- Built of a 16-gauge steel backbox with a full Lexan® window and keylock on the door
- Provides all communication signals and control-by event sequences connected over twisted, unshielded pair of wires or fiber-optic cable
- Uses E3 Series distributed architecture, including Class X wiring configuration
- Transmits at a network data transfer rate of 625K baud

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E3 SERIES® LOC TECHNICAL SPECIFICATIONS

SPECIFICATIONS

E3-LOC: Local Operating Console
Dimensions: 19 1/4"W x 10"H x 4 1/4" D
(48.9W x 25.4 x 10.8 D cm)

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.

ORDERING INFORMATION

E3BB-BAA: AA Cabinet
E3ID3-A: Inner Door, 3 Slots
1100-0452: INCC-MIC, Paging Microphone
1100-0455: ASM-16, Addressable Switch Module
INI-VG Series (Third Generation-Voice Gateway Models):
INI-VGC: (Command Center Voice Gateway with unshielded twisted-pair wire networking, optional fiber-optic module connection
FML-E3: Fiber-optic module, multi-mode fiber connector, single channel
FSL-E3: Fiber-optic module, single-mode fiber connector, single channel
INI-VG Series (Legacy Models):
1100-1321: INI-VGC-FO (Command Center Voice Gateway-fiber-optic module)
1100-1322: INI-VGC-UTP (Command Center Voice Gateway-unshielded twisted-pair only)
Optional Components:
1100-0505: NGA, Network Graphic Annunciator
Thumb lock: Thumb quarter turn latch
E3-TRIMKIT-A: Trim Ring

STANDARDS

The E3 Series, Local Operating Console (LOC) is designed to comply with the following standards:
UL Standards: 864, 10th Edition
2572, 2nd Edition
for Mass Notification

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
2572 for Mass Notification
FM Approved: 3025415
MEA Approved-Fire Dept. of New York: COA# 231-06-E
CSFM: 7165-1703:0125, 7170-1703:0126
City of Chicago: Class 1, Class 2 and High Rise
City of Denver Approved
VMC Reference of Certification: VMA-45894-02C
ISO 9001 Certification

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UL® is a registered trademark of Underwriter's Laboratories Inc.

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.

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