



by Honeywell

# ILI95-E3 Series

## Description

### ILI95-MB-E3

The Gamewell-FCI, Intelligent Loop Interface95-Main Board (ILI95-MB-E3) is the main circuit interface for the following E3 Series® Systems.

- E3 Series Expandable Emergency Evacuation System
- E3 Series Combined Fire and Mass Notification System

With its state-of-the-art 32 bit RISC processor, this compact “panel on a board” provides a powerful addition to Gamewell-FCI’s single pair conductor solutions. This intuitive design provides the following features:

- 2 signaling line circuits
- 2 notification appliance circuits
- local energy city box output
- auxiliary relay functions
- auxiliary power output circuits

These features, combined with a built-in network and serial protocols, allow this module to support a host of new and existing products, resulting in a building block approach to the fire alarm control panel design.

The ILI95-MB-E3 is network ready and occupies 64 nodes, operating at 625K baud. In addition, the Addressable Node Expander (ANX) board expands the network to 122 nodes. When this sub-assembly is integrated with proven Broad-band components, the result is a flexible yet powerful integrated audio solution. When the sub-assembly transmits to remote locations, the optional RPT-E3 provides the ILI95-MB-E3 with valuable signal boosting and transient protection, as well as provides connectivity using both wire and fiber-optic cables.

The ILI95-MB-E3 provides 2 signaling line circuits and terminals for the connections to up to 126 Apollo detectors and modules per SLC. The RS-485 interface can support up to a total of 6 LCD-E3 and 16 ASM-16 and/or 16 ANU-48 remote LED driver modules.

The ILI95-MB-E3 relay outputs include system alarm, supervisory, and system trouble contacts. The ILI95-MB-E3 provides output for a local energy city master box or for a remote location which is non power-limited. All other wiring is Class 2 power-limited.

## Intelligent Loop Interface-Main Board



ILI95-MB-E3

## Features

### ILI95-MB-E3 and ILI95-S-E3:

- Listed under UL® Standard 864, 9th Edition.
- Listed under UL Standard UL2572 for Mass Notification.
- Provides network ready integral 625K baud ARCNET.
- 115.2K baud RS-232.
- Signaling line circuits with:
  - 2 Class A, Style 6, 7\* or Class B, Style 4 circuits
  - 40 Character user-defined text per device
  - Capacity of 126 analog/addressable devices per loop
- 4100 Event History Log.

\*Style 7 wiring requires the use of XP95-LI Isolator Modules.

### ILI95-MB-E3 Only:

- 2 notification appliance circuits, Class “A”, Style Z or Class B, Style Y rated at 2.0 amps. per circuit.
- RS-485 supporting 16 ASM-16 switch modules and/or ANU-48 LED driver modules.
- Alarm, trouble, and supervisory dry contacts Form “C”, rated at 2 amp. @ 30 VDC (resistive).
- Supports six local/remote LCD-E3 annunciators and five LCD-7100/RAN-7100 remote LED annunciators.

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SIGNALING



MEA  
Approved



LISTED APPROVED FDNY #: 6175

S1869 3025415 COA # 231-06-E 7165-1703-0125



### GAMEWELL-FCI

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9021-60336 Rev. K page 1 of 2



ILI95-S-E3

### ILI95-S-E3

The Intelligent Loop Interface95 - Expansion Board (ILI95-S-E3) provides the E3 Series control panel with 2 additional signaling line circuits. The layout is similar to the ILI95-MB-E3 except a number of components are omitted. The ILI95-S-E3 occupies one node on the Broadband network. The ILI95-S-E3 provides 2 signaling line circuits and terminals for the connections to up to 126 sensors / modules.

### Installation

Typically, the ILI95-MB-E3 or ILI95-S-E3 can be mounted in the following E3 Series cabinets:

- Cabinet B and D, backbox
- Cabinet B, B-Slim-E3 sub-assembly plate
- Cabinet C, E3-ILI-C sub-assembly plate
- Cabinet C, E3-INCC-C sub-assembly plate
- Cabinet C, E3-INX-C sub-assembly plate
- Cabinet D, E3-INCC-D sub-assembly plate
- Cabinet D, E3-INX-D sub-assembly plate

For installation instructions on the ILI95-MB-E3 or ILI95-S-E3, refer to the following documents:

- E3 Series® Expandable Emergency Evacuation Manual, Part Number: LS10080-051GF-E
- ILI95-MB-E3 Installation Instructions, Part Number: 9001-0017
- ILI95-S-E3 Installation Instructions, Part Number: 9001-0018

For information on the ANX, refer to the Data Sheet Part Number: 9021-60497.

For additional information on the ILI-MB-E3 or ILI-S-E3, refer to the following document:

- ILI-E3 Series Data Sheet, Part Number: 9020-0605

## Specifications

### ILI95-MB-E3

**Operating Current:** 0.050 amp  
**Alarm Current:** 0.091 amp max.

### ILI95-S-E3

**Operating Current:** 0.109 amp  
**Alarm Current:** 0.11 amp

### ILI95-MB-E3 and ILI95-S-E3

**Operating Voltage:** 24 VDC FWR (from the PM-9/PM-9G Power Supply)

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

**Relative Humidity:** 0 to 93%, non-condensing at 90° F (32° C)

### Supervised

#### Class 2 Power-limited

SLC 40 Ohms maximum line impedance.  
 0.5 µf maximum line capacitance.

## Ordering Information

### Part Number Description

<b>ILI95-MB-E3</b>	Intelligent Loop Interface-Main Board
<b>ILI95-S-E3</b>	Intelligent Loop Interface-Expansion Board

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