

## by Honeywell

# E3 Series<sup>®</sup> Combined Fire and MNS System

## **Description**

The Gamewell-FCI, E3 Series<sup>®</sup> Broadband Emergency Voice Evacuation System and the E3 Series Broadband Networked Fire Alarm System can be combined on the common network to form a combination Fire and Mass Notification (MNS) System in accordance with the NFPA and UL Standard UL2572 requirements. The E3 Series modules, nodes and control panels are peer-to-peer, self-regenerating, token ring passing networks consisting of either of the following:

- 2 to 64 nodes
- up to 122 nodes with the addition of an ANX
   Note: The ANX is used for Fire applications only.

The E3 Series System is a modular design. This adaptable design allows a wide range of configurations to form an integrated, distributed fire alarm system in combination with the audio evacuation for use with both Fire and Mass Notification functions. In addition, the design can be used as a dedicated, standalone Mass Notification System without a fire alarm service.

The network communication conveys all of the following Fire Alarm and Mass Notification control functions:

- Audio evacuation
- Voice paging
- Fire fighter communications over a single pair of wires or fiber-optic cable

A Region contains only one ACU (Autonomous Control Unit), and multiple LOCs (Local Operating Consoles). Speaker circuits cannot be shared by Regions. The individual node types and modules in the E3 Series System family are interconnected to form the ACU and the LOC panels for Mass Notification as well as the following:

- Fire Command
- · Control and Detection
- AV Signaling
- Audio functional units within the overall network system

## Combined Fire and MNS System



E3 Series Combined Fire and MNS System

#### **Features**

- Listed under ANSI/UL<sup>®</sup> Standard UL2572 for Mass Notification.
- Listed under ANSI/UL Standard 864, 9th Edition.
- · IBC Seismic Certified.
- Offers the Base Platform for the Emergency Communications System.
- Provides true, seamless and scalable integration for Fire and Mass Notification that is configured applying the E3 Series building blocks using up to 122 nodes.
- Includes a cost-effective, supervised, "Style 7" network wiring using a single pair of wire or fiber-optics at 625K baud.
- Contains a compact, Local Operating Console (LOC) that is designed for installation in lobbies, doorways and hallways allowing quick access to do the following:
  - Broadcast MNS announcements.
  - View the System Status messages.
- Designed with a user-friendly, color touchscreen display that provides all Fire and MNS Events at all locations.
- Installs a simple configuration of multiple LOCs with expandability from 16 to 64 programmable switches for status, message activation and control.



E3 Series s a registered trademark of Honeywell International Inc. UL s a registered trademark of Underwriter's Laboratories Inc.

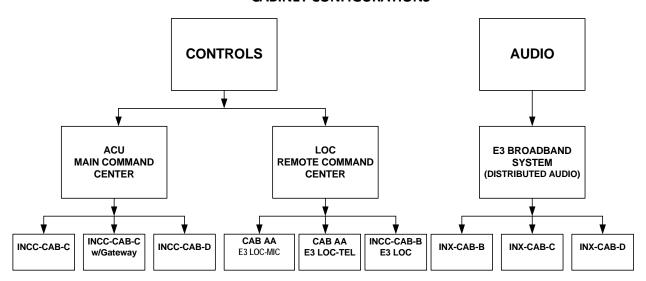


Figure 1 In-Building MNS Setup

## **Features (Continued)**

- Uses fully supervised wiring outputs for outstanding protection
- Broadcasts a digital, audio, resonant sound to meet the intelligibility requirements
- Supports each audio node with up to 150 watts of audio power, provided by three, 50 watt amplifiers in addition to providing 50 watts of standby power
- Stores distributed, digital message storage at each audio amplifier location for maximum survivability
- Applies Advanced Boolean Logic programming to reduce equipment costs by providing software solutions to complex configurations using the following devices.
  - Timers
  - Sequencing
  - Schedulers

## MASS NOTIFICATION SYSTEM CABINET CONFIGURATIONS



**Figure 2 Mass Notification System Cabinet Configurations** 

## **Ordering Information**

#### E3 Cabinets and Remote Cabinets for MNS

Part Number	Description
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REMOTE	"AA" CA	B SIZE	

Remote "AA" CAB Replaces E3BB-BA

**Dimensions:** 19 1/4" W x 10" H x 4 1/2" D

(49 W x 25 H x 11 D cm)

E3BB-BAA Enclosure, LOC, "AA" Size, Black
E3BB-RAA Enclosure, LOC, "AA" Size, Red
E3ID3-A Assembly, Door, Inner, 3 Slots, "AA"

(NGA, ASM-16 and MIC)

E3ID2-TA Assembly, Door, Inner, 2 Slots, "AA"

(INCC-TEL and ASM-16)

90510 Kit, AOM-TEL Plate, E3 (LOC)

90492 Thumb Lock

#### **REMOTE "AA1 & A2" CAB SIZE**

Remote "AA1 & A2" CAB

Remote "AA1"CAB Replaces E3BB-BA1

**Dimensions:** 8 3/4" W x 10" H x 4 1/2" D

(22.2 W x 25 H x 11 D cm)

E3BB-BAA1 Enclosure, "AA1" Size, Black E3BB-RAA1 Enclosure, "AA1" Size, Red

Remote "A2" CAB

**Dimensions:** 13 1/4" W x 10" H x 4 1/2" D

(40 W x 25 H x 11 D cm)

E3BB-BA2 Enclosure, "A2" Size, Black (Deep)
E3BB-RA2 Enclosure, "A2" Size, Red (Deep)

Flush Cabinet A2 Annunciators

E3BB-NGA-FLUSH

CAB A2 Remote Flush NGA ANN with Password Protection

#### E3 SERIES CABINETS "B", "C", "D" SIZES

#### **CABINET "B" SIZE**

**Dimensions:** 19 3/8 W x 19 3/8" H x 4 1/2" D

(49 W x 49 H x 11 D cm)

E3BB-BB Enclosure, LOC "B" Size, Black
E3BB-RB Enclosure, LOC "B" Size, Red
1100-0453 INCC-IDT, Inner Door with 2 Slots,

INCC-TEL LOC

1100-0454 INCC-ID-6, Inner Door with 6 Slots,

**INCC-CAB-LOC** 

1100-0460 INX-CAB, Enclosure, Transponder,

B Size, Black

1100-0461 INX-CAB-R, Enclosure, Transponder,

B Size, Red

## **Ordering Information (Continued)**

#### E3 Cabinets and Remote Cabinets for MNS

Part Number	Description	
CABINET "C" SIZE		
Dimensions:	19 3/8" W x 30" H x 4 1/2" D	
	(49 W x 76 H x 11 D cm)	
E3BB-BC/INCC	Enclosure, Combination Fire/ACU Black "C" Size	
E3BB-RC/INCC	Enclosure, Combination Fire/ACU Red "C" Size	
E3BB-BC/INX	Enclosure, Transponder, "C" Size, Black	
E3BB-RC/INX	Enclosure, Transponder, "C" Size, Red	
MOUNTING PLATE, "C" CAB		
E3-INCC-CPLATE	ACU Command Center Module Mounting Plate, "C" Size	
E3-INX-CPLATE	Transponder Module Mounting Plate "C" Size	
INNER DOOR, "C" SIZE		

E3ID3-C	Assembly, Door, Inner, 3-Bay, "C" Size

CABINET "D" SIZE		
Dimensions:	19 3/8" W x 41" H x 4 1/2" D	
	(49 W x 104 H x 11 D cm)	
E3BB-BD/INCC	Enclosure, Combination Fire/ACU Black "D" Size	
E3BB-RD/INCC	Enclosure, Combination Fire/ACU Red "C" Size	
E3BB-BD/INX	Enclosure, Transponder, "D" Size, Black	
E3BB-RD/INX	Enclosure, Transponder, "D" Size, Red	
MOUNTING PLATE	E "D" CAB	
EO INICO DEL ATE	A CLI Common of Comton Module	

E3-INCC-DPLATE ACU Command Center Module Mounting Plate, "D" Size

E3-INX-DPLATE Transponder Module Mounting Plate, "D" Size

INNER DOOR, "D" SIZE

E3ID3-D Assembly, Door, Inner, 3-Bay, "D" Size

OPTIONAL EXTENDER PLATE

AM-50 Plate AM-50 Extender Plate

E3 SERIES TRIMKIT		
E3-TRIMKIT-A	Assembly, FNL, TrimRing, CAB A/AA	
E3-TRIMKIT-A1	Assembly, FNL, TrimRing, CAB AA1	
E3-TRIMKIT-A2	Assembly, FNL, TrimRing, CAB A2, E3	
E3-TRIMKIT-B	Assembly, FNL, TrimRing, CAB C, E3	
E3-TRIMKIT-C	Assembly, FNL, TrimRing, CAB C, E3	
E3-TRIMKIT-D	Assembly, FNL, TrimRing, CAB D, E3	