Honeywell

Gamewell FCI FIRE CONTROL INSTRUMENTS

E3 Series® and S3 Series Building Blocks Reference Guide

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Fire Alarm & Emergency Communication System Limitations

While a life safety system may lower insurance rates, it is not a substitute for life and property insurance!

An automatic fire alarm system—typically made up of smoke detectors, heat detectors, manual pull stations, audible warning devices, and a fire alarm control panel (FACP) with remote notification capability—can provide early warning of a developing fire. Such a system, however, does not assure protection against property damage or loss of life resulting from a fire.

An emergency communication system—typically made up of an automatic fire alarm system (as described above) and a life safety communication system that may include an autonomous control unit (ACU), local operating console (LOC), voice communication, and other various interoperable communication methods—can broadcast a mass notification message. Such a system, however, does not assure protection against property damage or loss of life resulting from a fire or life safety event.

The Manufacturer recommends that smoke and/or heat detectors be located throughout a protected premises following the recommendations of the current edition of the National Fire Protection Association Standard 72 (NFPA 72), manufacturer's recommendations, State and local codes, and the recommendations contained in the Guide for Proper Use of System Smoke Detectors, which is made available at no charge to all installing dealers. This document can be found at http://www.systemsensor.com/appguides/. A study by the Federal Emergency Management Agency (an agency of the United States government) indicated that smoke detectors may not go off in as many as 35% of all fires. While fire alarm systems are designed to provide early warning against fire, they do not guarantee warning or protection against fire. A fire alarm system may not provide timely or adequate warning, or simply may not function, for a variety of reasons:

Smoke detectors may not sense fire where smoke cannot reach the detectors such as in chimneys, in or behind walls, on roofs, or on the other side of closed doors. Smoke detectors also may not sense a fire on another level or floor of a building. A second-floor detector, for example, may not sense a first-floor or basement fire.

Particles of combustion or "smoke" from a developing fire may not reach the sensing chambers of smoke detectors because:

- Barriers such as closed or partially closed doors, walls, chimneys, even wet or humid areas may inhibit particle or smoke flow.
- Smoke particles may become "cold," stratify, and not reach the ceiling or upper walls where detectors are located.
- Smoke particles may be blown away from detectors by air outlets, such as air conditioning vents.
- Smoke particles may be drawn into air returns before reaching the detector.

The amount of "smoke" present may be insufficient to alarm smoke detectors. Smoke detectors are designed to alarm at various levels of smoke density. If such density levels are not created by a developing fire at the location of detectors, the detectors will not go into alarm.

Smoke detectors, even when working properly, have sensing limitations. Detectors that have photoelectronic sensing chambers tend to detect smoldering fires better than flaming fires, which have little visible smoke. Detectors that have ionizing-type sensing chambers tend to detect fast-flaming fires better than smoldering fires. Because fires develop in different ways and are often unpredictable in their growth, neither type of detector is necessarily best and a given type of detector may not provide adequate warning of a fire.

Smoke detectors cannot be expected to provide adequate warning of fires caused by arson, children playing with matches (especially in bedrooms), smoking in bed, and violent explosions (caused by escaping gas, improper storage of flammable materials, etc.).

Heat detectors do not sense particles of combustion and alarm only when heat on their sensors increases at a predetermined rate or reaches a predetermined level. Rate-of-rise heat detectors may be subject to reduced sensitivity over time. For this reason, the rate-of-rise feature of each detector should be tested at least once per year by a qualified fire protection specialist. Heat detectors are designed to protect property, not life.

IMPORTANT! Smoke detectors must be installed in the same room as the control panel and in rooms used by the system for the connection of alarm transmission wiring, communications, signaling, and/or power. If detectors are not so located, a developing fire may damage the alarm system, compromising its ability to report a fire.

Audible warning devices such as bells, horns, strobes, speakers and displays may not alert people if these devices are located on the other side of closed or partly open doors or are located on another floor of a building. Any warning device may fail to alert people with a disability or those who have recently consumed drugs, alcohol, or medication. Please note that:

- An emergency communication system may take priority over a fire alarm system in the event of a life safety emergency.
- Voice messaging systems must be designed to meet intelligibility requirements as defined by NFPA, local codes, and Authorities Having Jurisdiction (AHJ).
- Language and instructional requirements must be clearly disseminated on any local displays.
- Strobes can, under certain circumstances, cause seizures in people with conditions such as epilepsy.
- Studies have shown that certain people, even when they hear a fire alarm signal, do not respond to or comprehend the meaning of the signal. Audible devices, such as horns and bells, can have different tonal patterns and frequencies. It is the property owner's responsibility to conduct fire drills and other training exercises to make people aware of fire alarm signals and instruct them on the proper reaction to alarm signals.
- In rare instances, the sounding of a warning device can cause temporary or permanent hearing loss.

A life safety system will not operate without any electrical power. If AC power fails, the system will operate from standby batteries only for a specified time and only if the batteries have been properly maintained and replaced regularly.

Equipment used in the system may not be technically compatible with the control panel. It is essential to use only equipment listed for service with your control panel.

Telephone lines needed to transmit alarm signals from a premises to a central monitoring station may be out of service or temporarily disabled. For added protection against telephone line failure, backup radio transmission systems are recommended.

The most common cause of life safety system malfunction is inadequate maintenance. To keep the entire life safety system in excellent working order, ongoing maintenance is required per the manufacturer's recommendations, and UL and NFPA standards. At a minimum, the requirements of NFPA 72 shall be followed. Environments with large amounts of dust, dirt, or high air velocity require more frequent maintenance. A maintenance agreement should be arranged through the local manufacturer's representative. Maintenance should be scheduled as required by National and/or local fire codes and should be performed by authorized professional life safety system installers only. Adequate written records of all inspections should be kept.

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Installation Precautions

Adherence to the following will aid in problem-free installation with long-term reliability:

WARNING - Several different sources of power can be connected to the fire alarm control panel. Disconnect all sources of power before servicing. Control unit and associated equipment may be damaged by removing and/or inserting cards, modules, or interconnecting cables while the unit is energized. Do not attempt to install, service, or operate this unit until manuals are read and understood.

CAUTION - System Re-acceptance Test after Software Changes: To ensure proper system operation, this product must be tested in accordance with NFPA 72 after any programming operation or change in site-specific software. Re-acceptance testing is required after any change, addition or deletion of system components, or after any modification, repair or adjustment to system hardware or wiring. All components, circuits, system operations, or software functions known to be affected by a change must be 100% tested. In addition, to ensure that other operations are not inadvertently affected, at least 10% of initiating devices that are not directly affected by the change, up to a maximum of 50 devices, must also be tested and proper system operation verified.

This system meets NFPA requirements for operation at 0-49º C/32-120º 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 15-27º C/60-80º F.

Verify that wire sizes are adequate for all initiating and indicating device loops. Most devices cannot tolerate more than a 10% I.R. drop from the specified device voltage.

Like all solid state electronic devices, this system may operate erratically or can be damaged when subjected to lightning induced transients. Although no system is completely immune from lightning transients and interference, proper grounding will reduce susceptibility. Overhead or outside aerial wiring is not recommended, due to an increased susceptibility to nearby lightning strikes. Consult with the Technical Services Department if any problems are anticipated or encountered.

Disconnect AC power and batteries prior to removing or inserting circuit boards. Failure to do so can damage circuits.

Remove all electronic assemblies prior to any drilling, filing, reaming, or punching of the enclosure. When possible, make all cable entries from the sides or rear. Before making modifications, verify that they will not interfere with battery, transformer, or printed circuit board location.

Do not tighten screw terminals more than 9 in-lbs. Overtightening may damage threads, resulting in reduced terminal contact pressure and difficulty with screw terminal removal.

This system contains static-sensitive components. Always ground yourself with a proper wrist strap before handling any circuits so that static charges are removed from the body. Use static suppressive packaging to protect electronic assemblies removed from the unit.

Follow the instructions in the installation, operating, and programming manuals. These instructions must be followed to avoid damage to the control panel and associated equipment. FACP operation and reliability depend upon proper installation.

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FCC Warning

WARNING: This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause interference to radio communications. It has been tested and found to comply with the limits for class A computing devices pursuant to Subpart B of Part 15 of FCC Rules, which is designed to provide reasonable protection against such interference when devices are operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user will be required to correct the interference at his or her own expense.

Canadian Requirements

This digital apparatus does not exceed the Class A limits for radiation noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la classe A prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

Software Downloads

In order to supply the latest features and functionality in fire alarm and life safety technology to our customers, we make frequent upgrades to the embedded software in our products. To ensure that you are installing and programming the latest features, we strongly recommend that you download the most current version of software for each product prior to commissioning any system. Contact Technical Support with any questions about software and the appropriate version for a specific application.

Documentation Feedback

Your feedback helps us keep our documentation up-to-date and accurate. If you have any comments or suggestions about our online Help or printed manuals, you can email us.

Please include the following information:

- Product name and version number (if applicable)
- Printed manual or online Help
- Topic Title (for online Help)
- Page number (for printed manual)
- Brief description of content you think should be improved or corrected
- Your suggestion for how to correct/improve documentation

Send email messages to:

FireSystems.TechPubs@honeywell.com

Please note this email address is for documentation feedback only. If you have any technical issues, please contact Technical Services.

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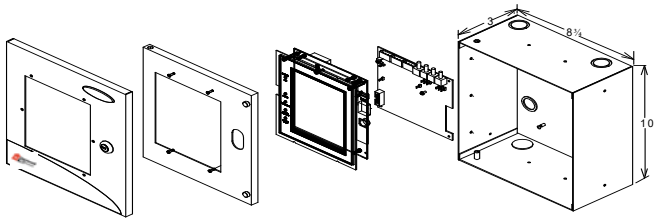
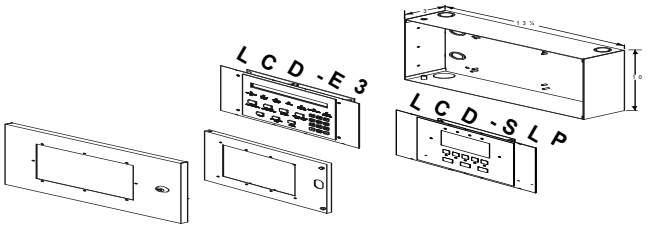
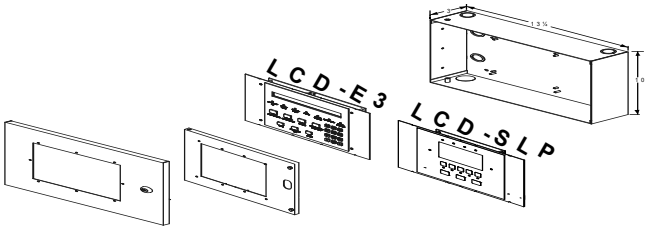
E3BB-BAA1



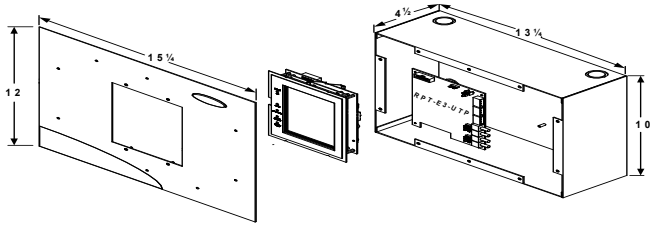
E3BB-BA2



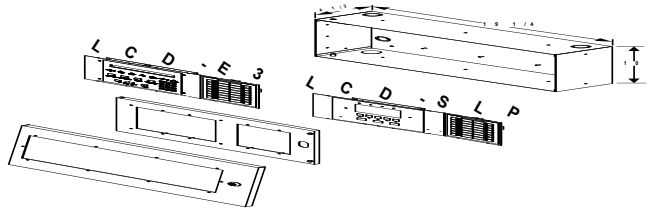
E3BB-FLUSH-LCD



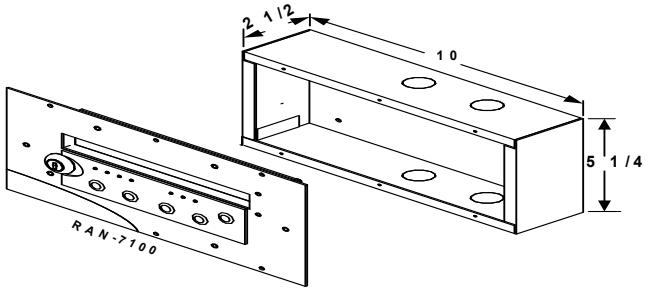
E3BB-NGA-FLUSH



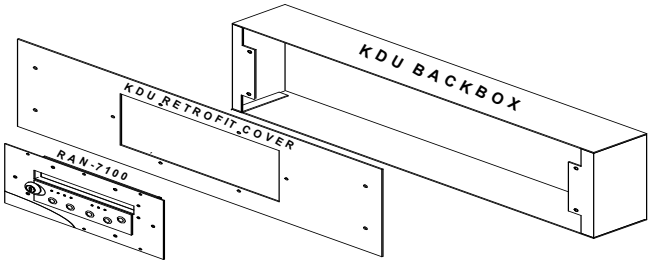
E3BB-BAA/E3ID-2



RAN-7100



KDU Retrofit



1.1 E3 Series Remote Annunciator, E3BB-BAA1 Cabinet Ordering Information

The E3BB-BAA1 model is a single module remote annunciator cabinet that houses any one of the following:

- NGA
- ASM-16
- Microphone

Table 1.1.1 lists the components that can be ordered for the E3 Series Remote Annunciator E3BB-BAA1 cabinet.

Figure 1.1.1 E3 Series Remote Annunciator with NGA Display

Figure 1.1.2 E3 Display Remote Annunciator with ASM-16

Figure 1.1.3 shows the E3BB-BAA1 cabinet installation configuration.

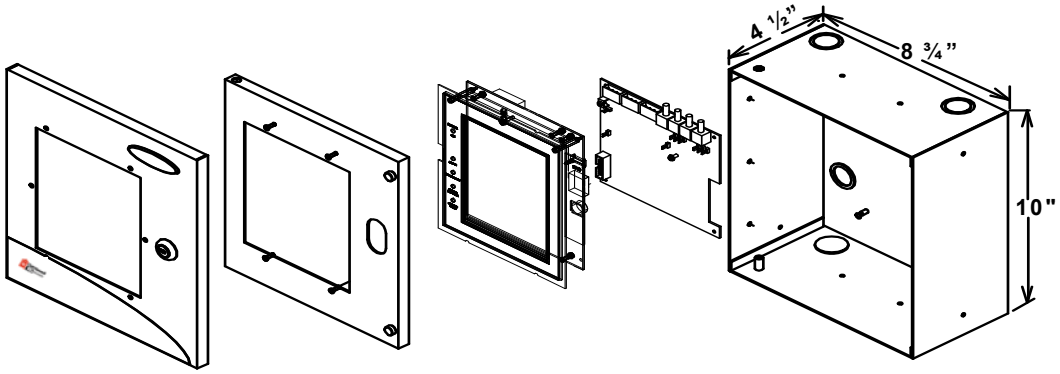


Figure 1.1.3 E3 Remote Annunciator E3BB-BAA1 Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinets	**Dimensions:**		
X	E3BB-BAA1	8 3/4”W x 10”H x 4 1/2”D	Enclosure, black, “AA1” with key lock	
	E3BB-RAA1	8 3/4”W x 10”H x 4 1/2”D	Enclosure, red, “AA1” with key lock-Shipped with 1 slot Inner Door	
Modules				
	NGA	NGA	NGA, Network Graphic Annunciator (Second Generation)	
X	1100-0505	NGA	NGA, Network Graphic Annunciator (First Generation)	
	RPT-E3-UTP	Repeater	Network Repeater, unshielded twisted pair	
	1100-0455	ASM-16	Programmable Switch Module	
	1100-0452	MIC	INCC-MIC, Paging Microphone	
Optional Components				
	FSL-E3	Fiber module	Single mode fiber module	
	FML-E3	Fiber module	Multi mode fiber module	
	90492	90492 Thumb lock	Thumb quarter turn latch	
	E3-TRIMKIT-A1		Trim Ring Kit	

Table 1.1.1 E3 Remote Annunciator E3BB-BAA1 Cabinet Ordering Information

1.2 E3 Series Remote Annunciator, E3BB-BA2 Cabinet Ordering Information

The E3BB-BA2 model is a single module remote annunciator cabinet that houses either the LCD-E3 or the LCD-SLP. Table 1.2.1 lists the components that can be ordered for the E3 Series Remote Annunciator E3BB-BA2 cabinet.

Figure 1.2.1 E3 Series Remote Annunciator with LCD-E3 Display

Figure 1.2.2 E3 Series Remote Annunciator with LCD-SLP Display

Figure 1.2.3 shows the E3BB-BA2 cabinet installation configuration.

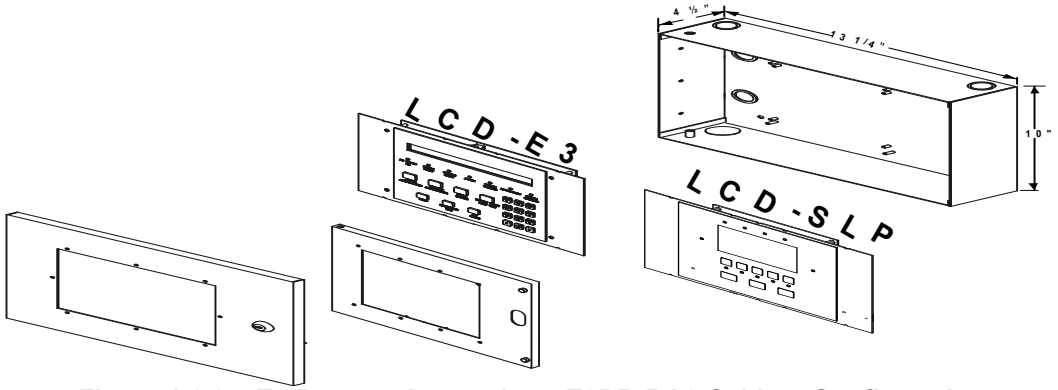


Figure 1.2.3 E3 Remote Annunciator E3BB-BA2 Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinets	**Dimensions:**		
1	E3BB-BA2	13 1/4”W x 10”H x 4 1/2”D	Enclosure, black, “AA1” with key lock	
	E3BB-RA2	13 1/4”W x 10”H x 4 1/2”D	Enclosure, red, “AA1” with key lock Shipped with 1 slot Inner Door	
Modules				
X	LCD-SLP	Display	LCD Touch screen display unit	
	LCD-E3	Display	LCD keypad display	
Optional Components				
	90492	90492 Thumb lock	Thumb quarter turn latch	
	E3-TRIMKIT-A2	E3 TRIMKIT	Trim Ring Kit	

Table 1.2.1 E3 Remote Annunciator E3BB-BA2 Cabinet Ordering Information

1.3 E3 Series Remote Annunciator, E3BB-FLUSH-LCD Cabinet Ordering Information

The E3BB-FLUSH-LCD model is a single module flush remote annunciator cabinet that houses either the LCD-E3 or the LCD-SLP. Table 1.3.1 lists the components that can be ordered for the E3 Series Remote Annunciator E3BB-FLUSH-LCD cabinet.

Figure 1.3.1 E3 Series Remote Annunciator with LCD-E3 Display

Figure 1.3.2 E3 Remote Annunciator with LCD-SLP

Figure 1.3.3 shows the E3BB-FLUSH-LCD cabinet installation configuration.

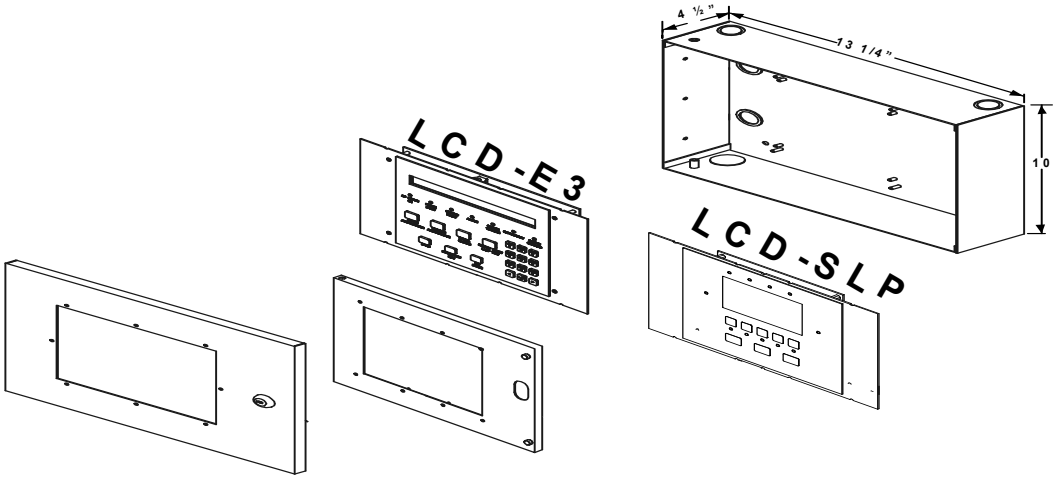


Figure 1.3.3 E3 Remote Annunciator E3BB-FLUSH-LCD Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
X	E3BB-FLUSH-LCD	13 1/4”W x 10”H x 4 1/2”D	Flush Enclosure, black, with key lock	
Modules				
X	LCD-SLP	Display	LCD Touch screen display unit	
	LCD-E3	Display	LCD keypad display	
Optional Components				

Table 1.3.1 E3 Remote Annunciator E3BB-FLUSH-LCD Cabinet Ordering Information

1.4 E3 Remote Annunciator, E3BB-NGA-FLUSH Cabinet Ordering Information

The E3BB-NGA-FLUSH model is a single module, flush remote annunciator cabinet that houses the NGA. Table 1.4.1 lists the components that can be ordered for the E3 Series Remote Annunciator E3BB-NGA-FLUSH.

Figure 1.4.1 E3 Series Remote Annunciator with LCD-E3 Display

Figure 1.4.2 shows the E3BB-NGA-FLUSH cabinet configuration.

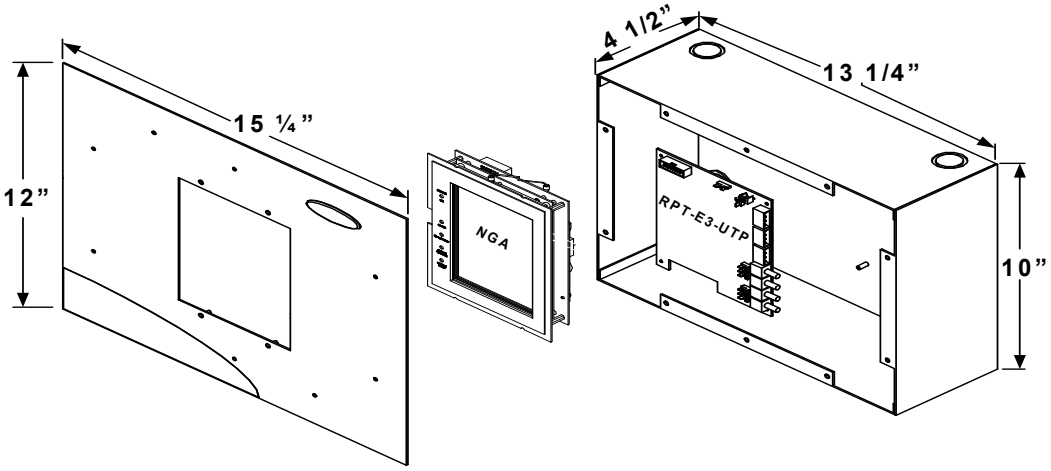


Figure 1.4.2 E3 Remote Annunciator E3BB-NGA-FLUSH Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
1	E3BB-NGA-FLUSH	13 1/4”W x 10”H x 4 1/2”D	Flush Enclosure, black,	
Modules				
	NGA	NGA Annunciator	Network Graphic Annunciator (2nd Generation)	
X	1100-0505	NGA Annunciator	Network graphic Annunciator (1st Generation)	
	RPT-E3-UTP	Network repeater	Network repeater, unshielded twisted-pair	
Optional Components				
	FSL-E3	Single mode	Fiber loop module, Single mode	
	FML-E3	Multi mode	Fiber loop module, Multi mode	

Table 1.4.1 E3 Remote Annunciator E3BB-NGA-FLUSH Cabinet Ordering Information

1.5 E3 Series Remote Annunciator, E3BB-BAA with E3ID2-A Inner Door Cabinet Ordering Information

The E3BB-BAA with E3ID2-A Inner Door model is a double module, remote annunciator cabinet that is used for display and control. It houses the LCD-E3 or LCD-SLP and an ASM-16.
Table 1.5.1 lists the components that can be ordered for the E3 Series Remote Annunciator E3BB-BAA cabinet.

Figure 1.5.1 E3 Series Remote Annunciator with LCD-E3 Display and ASM-16

Figure 1.5.2 shows the E3BB-BAA with the E3ID2-A inner door cabinet configuration.

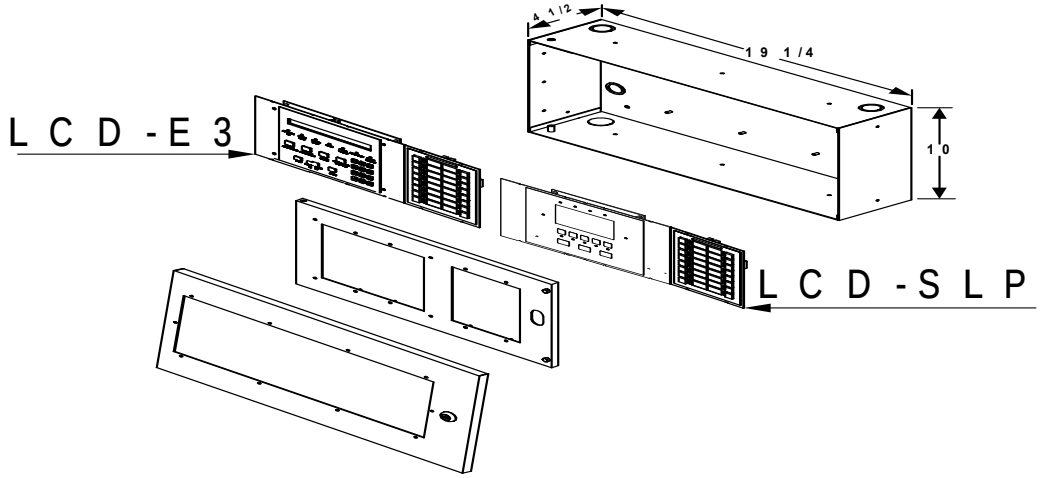


Figure 1.5.2 E3 Remote Annunciator E3BB-BAA with E3ID2-A Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinets	**Dimensions:**		
1	E3BB-BAA	19”W x 10”H x 4 1/2”D	LOC Enclosure, black	
	E3BB-RAA	19”W x 10”H x 4 1/2”D	LOC Enclosure, red	
	E3ID2-A			
Modules				
X	LCD-E3		LCD Keypad Display	
	LCD-SLP		LCD Touch screen display	
	1100-0455		ASM-16 programmable switch module	
Optional Components				
	90492	Thumb latch	Quarter turn thumb latch	
	E3-TRIMIT-A			

Table 1.5.1 E3 Remote Annunciator E3BB-BAA with E3ID-2 Cabinet Ordering Information

1.6 E3 Series Remote Annunciator, RAN-7100 Cabinet Ordering Information

The RAN-7100 model is a double module, remote annunciator cabinet that is used for display and control. Figure 1.6.1 illustrates the remote serial annunciator, LCD display for the Gamewell RAN retrofit. This model is installed in the GWRAN2-BB backbox.

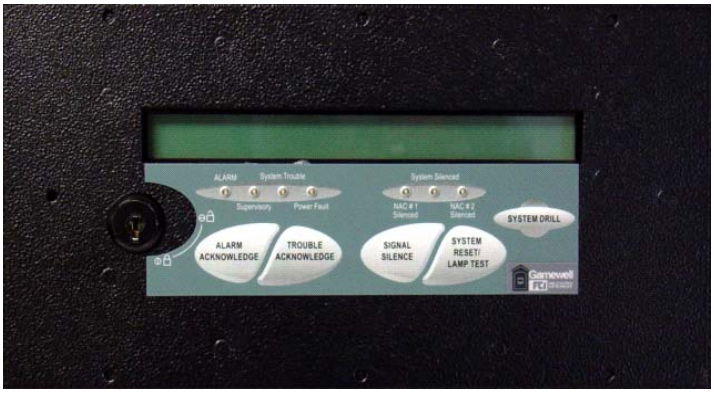


Figure 1.6.1 E3 Series Remote Annunciator, RAN-7100 Display Panel

Figure 1.6.2 shows the RAN-7100 cabinet installation configuration.

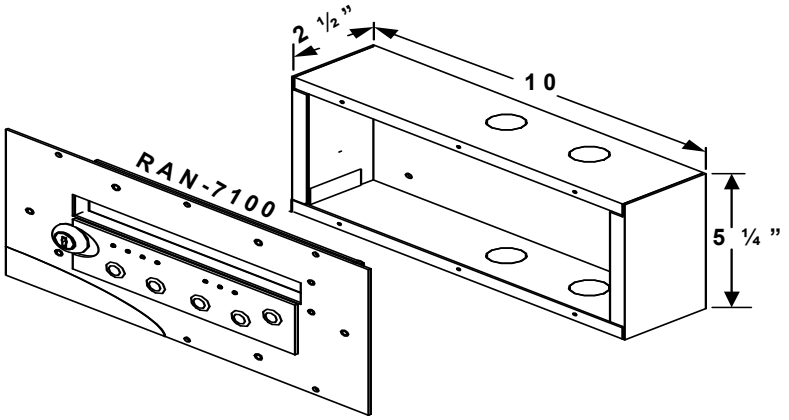


Figure 1.6.2 E3 Remote Annunciator RAN-7100 Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinets	**Dimensions:**		
1	RAN-7100	10”W x 5 1/4”H x 2 1/2’D	Remote Alpha-numeric display	
1	GWRAN2-BB		Backbox	
Module				
Optional Components				

Table 1.6.1 E3 Remote Annunciator RAN-7100 Cabinet Ordering Information

1.7 KDU-Retrofit Cabinet Ordering Information

The KDU-Retrofit model is a single module retrofit cabinet that houses the LCD display for the Gamewell RAN, FCI KDU retrofits. Figure 1.7.1 illustrates the KDU-Retrofit cabinet configuration.

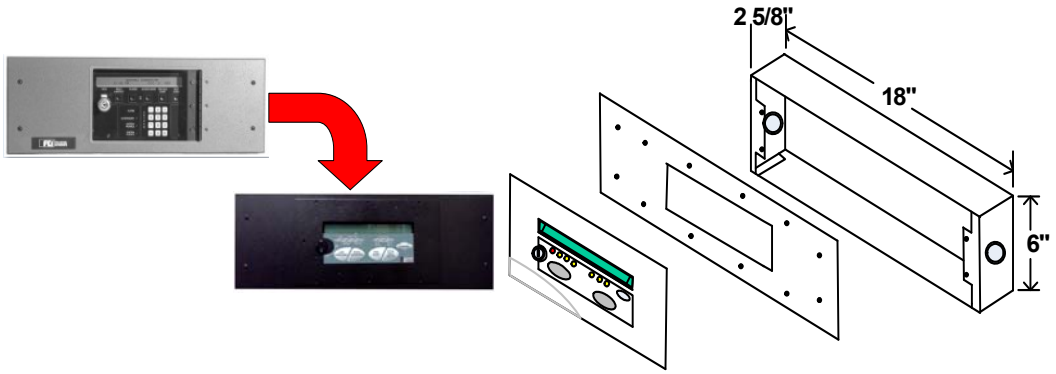


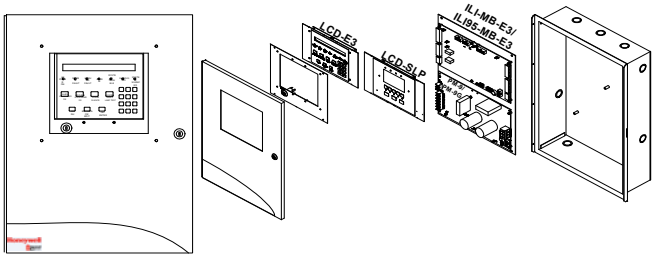
Figure 1.7.1 KDU-Retrofit Remote Annunciator Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Kit includes the following:				
	Cabinet	**Dimensions**		
1	KDU-RETROFIT	18”W x 2.5/8”H x 6”D	Includes the mounting plate for the existing remote KDU backbox.	
This Kit requires the following:				
1	RAN-7100	Annunciator	Remote serial annunciator, LCD display	
Optional Components				

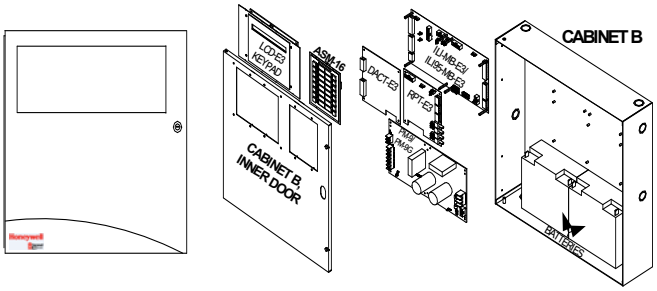
Table 1.7.1 KDU Retrofit Remote Annunciator Cabinet Ordering Information

Section 2: E3/S3 Series FACP Panel Configurations

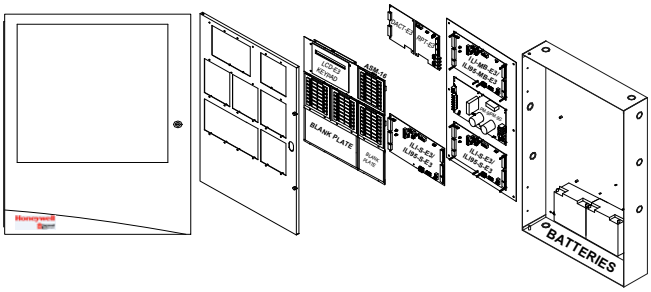
E3BB-RBSLIM



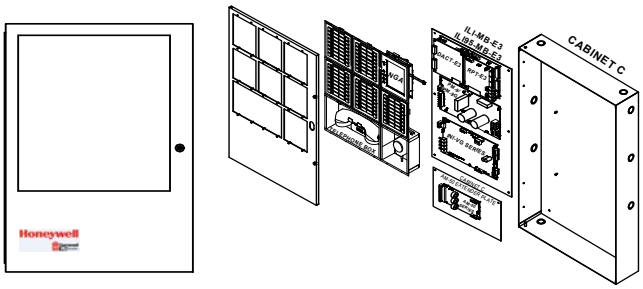
E3BB-BB "B" CAB



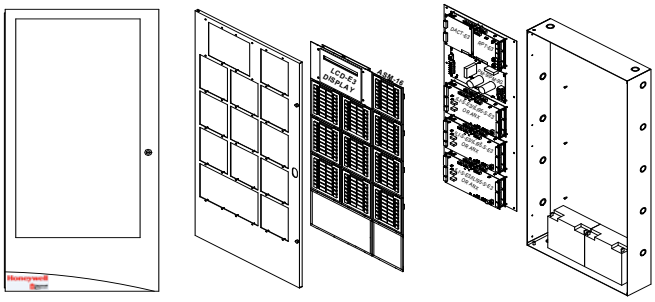
E3BB-BC/INCC "C" CAB



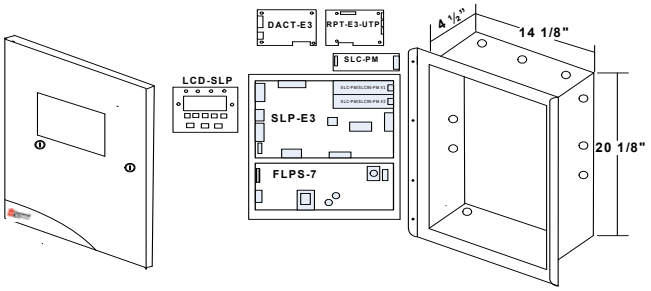
E3BB-BC/INCC "C" CAB AUDIO



E3BB-BD/INCC "D" CAB



S3 SLIM CAB



2.1 E3 Series B-Slim Cabinet Ordering Information

The E3 Series B-Slim Cabinet is used to house the components that support the E3 Series Fire Evacuation System. Figure 2.1.1 illustrates the E3 Series, B-Slim Cabinet configuration. Table 2.1.1 lists the E3 Series, B-Slim cabinet ordering information.

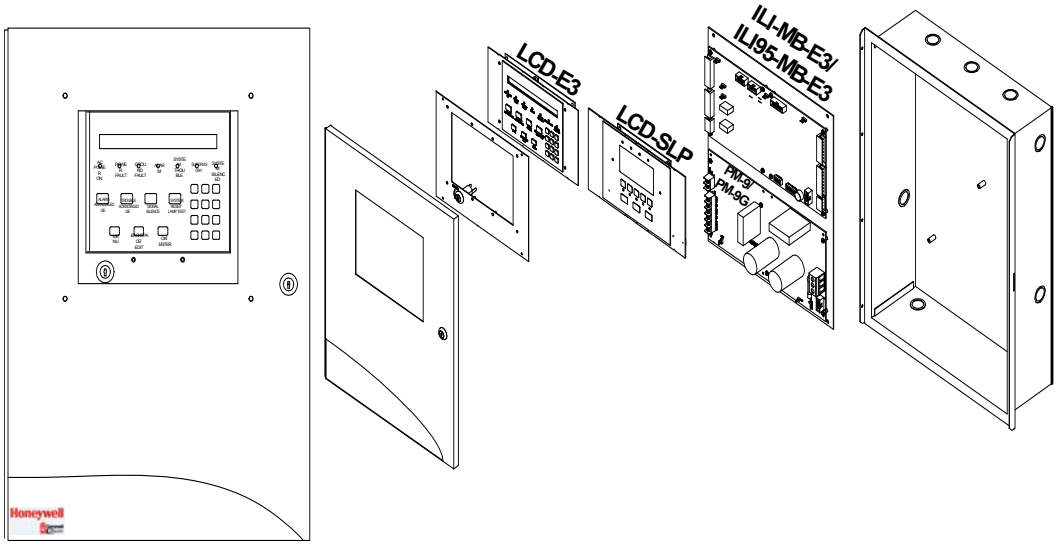


Figure 2.1.1 E3 Series, B-Slim Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents required components.				
	Cabinet	**Dimensions:**		
X	E3BB-RBSLIM	20” H x 14” W x 4 1/2”D	E3BB-RBSLIM Enclosure, Red, Narrow	
Modules				
X	ILI-MB-E3	System Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI-S-E3	System Sensor	Intelligent Loop Interface, Supplemental (max-1)	
	ILI95-MB-E3	Apollo Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI95-S-E3	Apollo Sensor	Intelligent Loop Interface, Supplemental (max-1)	
X	PM-9	Power Supply	9 Ampere Power Supply	
X	LCD-E3	Display	LCD Keypad Display	
X	2 Batteries			
Optional Components				
	LCD-SLP	Display	LCD-SLP Keypad Display	
	DACT-E3	DACT	Digital Alarm Communiocation Transmitter	
	RPT-E3-UTP	Networking Card	Network Repeater, Unshielded Twisted-Pair	
	FSL-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	
	90516	7 A/H Seismic	7 A/H Seismic Battery Bracket Kit	
	90517	12 A/H Seismic	12 A/H Seismic Battery Bracket Kit	
	75687	Cable	20” Repeater Cable needed for RPT-E3-FO 75687-A Special Order Cable	

Table 2.1.1 E3 Series, B-Slim Cabinet Ordering Information

2.2 E3 Series "B" Size Cabinet Ordering Information

The E3 Series "B" Size Cabinet is used to house the components that support the E3 Series Fire Evacuation System. Figure 2.2.1 illustrates the E3 Series, "B" Size cabinet configuration. Table 2.2.1 lists the E3 Series, "B" Size cabinet ordering information.

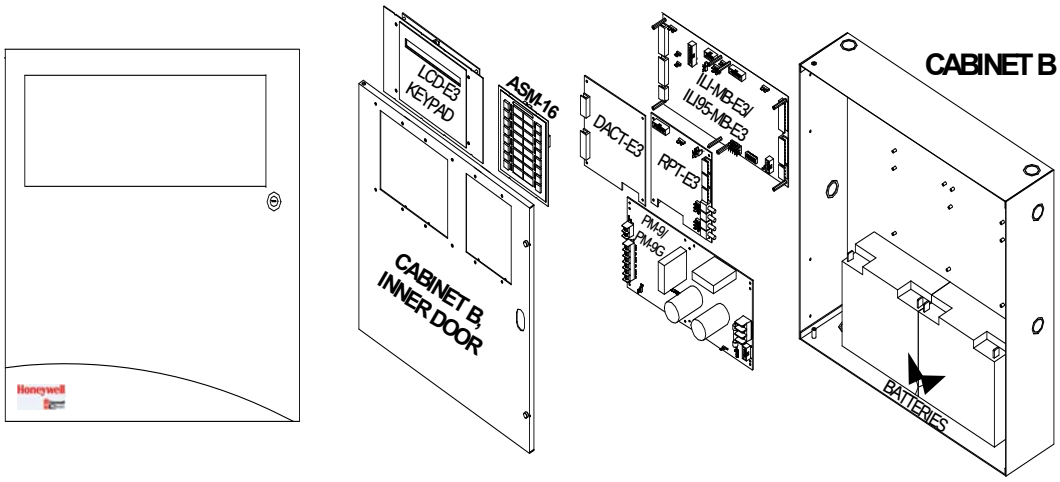


Figure 2.2.1 E3 Series "B" Size Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents required components.				
	Cabinet	**Dimensions:**		
X	E3BB-BB	19 3/8"W X 19 3/8"H X 4 1/2"D	E3 Enclosure, Black, "B" Size	
	E3BB-RB	19 3/8"W X 19 3/8"H X 4 1/2"D	E3 Enclosure, Red, "B" Size	
X	E3ID2-B	Inner Door	Inner Door, 2 Slot, "B" Size	
Modules				
X	LCD-E3	Display	LCD Keypad Display	
X	PM-9	Power Supply	9 Ampere Power Supply	
	ILI-MB-E3	System Sensor	Intelligent Loop Interface, Mother Board	
	ILI95-MB-E3	Apollo Sensor	Intelligent Loop Interface, Mother Board	
X	2-Batteries		Maximum 18 AH Capacity	
Optional Components				
	1100-0450	Cover Plate	Single Size Inner Door Blank Plate	
	1100-0455	Switch Module	ASM-16 Programmable Switch Module (max-1)	
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Networking Card	Network Repeater, Unshielded Twisted-Pair	
	FSL-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	
	90518	7 A/H Seismic	7 A/H Seismic Battery Bracket Kit	
	90520	18 A/H Seismic	18 A/H Seismic Battery Bracket Kit	
	E3-TRIMKIT-B		E3 Cabinet B, Trim Rings	

Table 2.2.1 E3 Series "B" Cabinet Ordering Information

2.3 E3 Series "C" Size Cabinet Ordering Information

The E3 Series "C" Size Cabinet is used to house the components that support the E3 Series Fire Evacuation System. Figure 2.3.1 illustrates the E3 Series, "C" Size cabinet configuration. Table 2.3.1 lists the E3 Series, "C" Size cabinet ordering information.

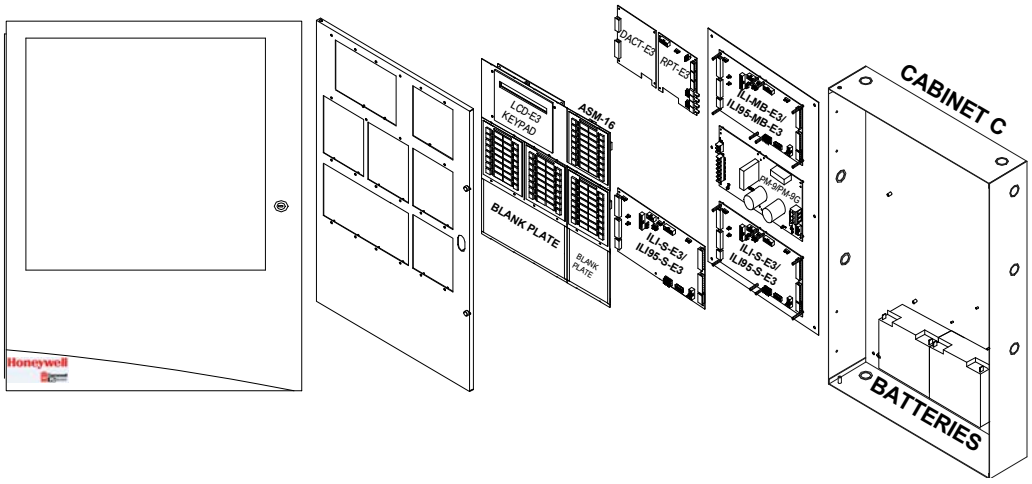


Figure 2.3.1 E3 Series "C" Size Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents required components.				
	Cabinet	**Dimensions:**		
X	E3BB-BC/INCC	30"H x 19 3/8"W x 4 1/2"D	E3 Enclosure, Black, "C" Size	
	E3BB-RC/INCC	30"H x 19 3/8"W x 4 1/2"D	E3 Enclosure, Red, "C" Size	
X	E3-ILI-CPLATE	Used for FACP	Intelligent Loop Module Mounting Plate	
X	E3ID2-C	Used for LCD-E3	Inner Door, 2 Slot, "C" Size	
	E3ID3-C	Used with NGA	Inner Door, 3 Slot, "C" Size	
	Modules			
X	LCD-E3	Display	LCD Keypad Display	
	NGA	NGA	Network Graphic Annunciator (2nd Generation)	
	1100-0505	NGA	Network Graphic Annunciator (1st Generation)	
X	PM-9	Power Supply	9 Ampere Power Supply	
X	ILI-MB-E3	System Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI-S-E3	System Sensor	Inteligent Loop Interfrace, Supplemental (max-2)	
	ILI95-MB-E3	Apollo Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI95-S-E3	Apollo Sensor	Intelligent Loop Interface, Supplemental (max-2)	
X	2-Batteries		Maximum 18 AH Capacity	
Optional Components				
	E3-BP	Inner Door Filler Plate	Double Size Inner Door Blank Plate	
	1100-0450	Inner Door Filler Plate	Single Size Inner Door Blank Plate	
	1100-0455	Switch Module	ASM-16 Programmable Switch Module	
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Networking Card	Network Repeater, Unshielded Twisted-Pair	
	FLS-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	
	90518	7 A/H Seismic	7 A/H Seismic Battery Bracket Kit	
	90520	18 A/H Seismic	18 A/H Seismic Battery Bracket Kit	
	E3-TRIMKIT-C		E3 Cabinet C, Trim Rings	

Table 2.3.1 E3 Series "C" Size Cabinet Ordering Information

2.4 E3 Series Fire/Audio "C" Size Cabinet Order Information

The E3 Series "C" Size Cabinet is used to house the components and amplifiers that support the E3 Series Fire and Voice Evacuation Systems. Figure 2.4.1 illustrates the E3 Series Fire/Audio "C" Size cabinet configuration. Table 2.4.1 lists the E3 Series Fire/Audio, "C" Size cabinet ordering information.

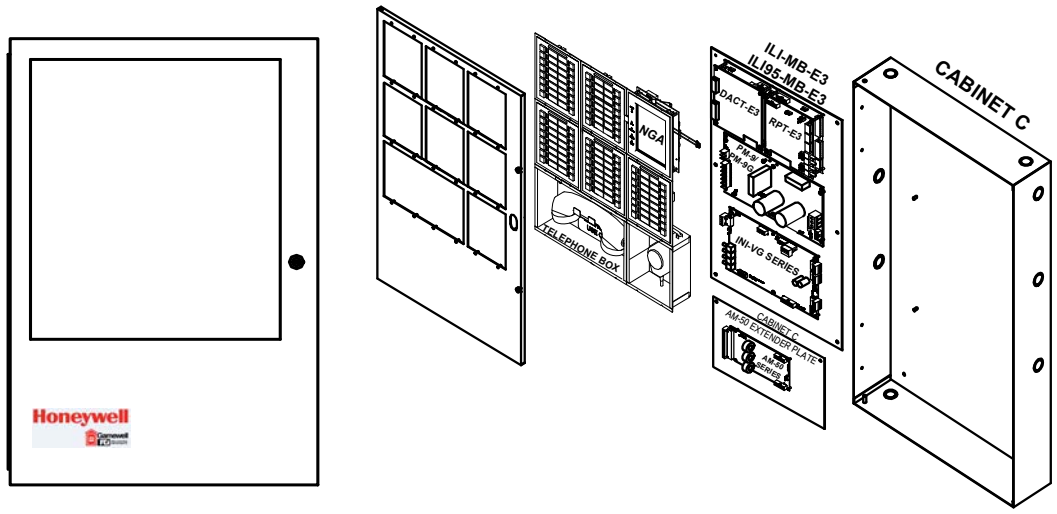


Figure 2.4.1 E3 Series Fire/Audio "C" Size Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents required components.				
	Cabinet	**Dimensions:**		
X	E3BB-BC/INCC	30"H x 19 3/8"W x 4 1/2"D	Enclosure, Command Center Black, "C" Size	
X	E3-INCC-C PLATE	Mounting Plate	Command Center Mounting Plate, "C" Size	
X	E3ID2-C	2 Slots Door	Inner Door, Command Center, 2 Slots "C" Size	
X	LCD-E3	Display	LCD Keypad Display	
X	1100-0452	MIC	INCC-MIC, Paging Microphone	
	1100-0455	ASM-16	Programmable Switch Module	
	1100-0451	INCC-TEL	Command Center Firefighter Telephone Module	
X	ILI-MB-E3	System Sensor	Intelligent Loop Interface, Mother Board	
	ILI95-MB-E3	Apollo Sensor	Intelligent Loop Interface, Mother Board	
X	PM-9	Power Supply	9 Ampere Power Supply	
	INI-VGX	INI-VGX	Transponder Voice Gateway (3rd Generation)	
	1100-1323	INI-VGX-FO	Transponder Voice Gateway Fiber-Optic (1st/2nd Generation)	
X	1100-1324	INI-VGX-UTP	Transponder Voice Gateway Twisted-Pair Wire	
X	AM-50-Plate	AM50-Extender Plate	Amplifier Extender Plate (Supports One AM-50)	
Optional Components				
	1100-0456	AM-50-25	AM-50 Watt Amplifier (max-1)	
	AM-50-70	70V Amp	70V 50 Watt amplifier (max-1)	
	90521	Line Filter	AC Line Filter Required with 70V Amplifier	
	E3-TRIMKIT-C		Trim Ring Kit	
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Networking Card	Network Repeater, Unshielded Twisted-Pair Wire	
	FSL-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	
	E3-BP	Blank Plate	Inner Door Panel, Double Size	
	1100-0450	Blank Plate	Inner Door Panel, Single Size	

Table 2.4.1 E3 Series Fire/Audio "C" Size Cabinet Ordering Information

2.5 E3 Series "D" Size Cabinet Ordering Information

The E3 Series "D" Size Cabinet is used to house the components that support the E3 Series Fire Evacuation System. Figure 2.5.1 illustrates the E3 Series, "D" Size cabinet configuration. Table 2.5.1 lists the E3 Series, "D" Size cabinet ordering information.

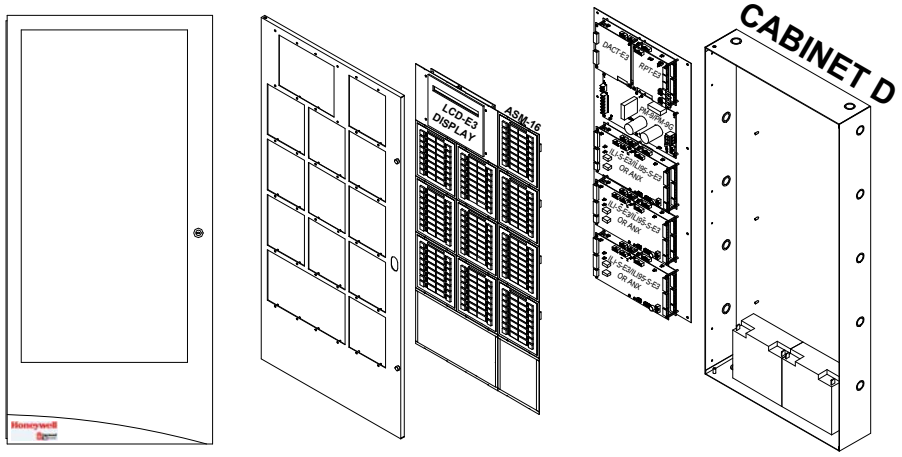


Figure 2.5.1 E3 Series "D" Size Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents required components.				
	Cabinet	**Dimensions:**		
X	E3BB-BD/INCC	41"H x 19 3/8"W x 4 1/2"D	E3 Enclosure, Black, "D" Size	
	E3BB-RD/INCC	41"H x 19 3/8"W x 4 1/2"D	E3 Enclosure, Red, "D" Size	
X	E3-INCC-D PLATE		Back Plate used for FACP or Command Center	
X	E3ID2-D	Used for LCD-E3	Inner Door, 2 Slot, "D" Size	
	E3ID3-D	Used with NGA	Inner Door, 3 Slot, "D" Size	
Modules				
X	LCD-E3	Display	LCD Keypad Display	
	NGA	NGA	Network Graphic Annunciator (2nd Generation)	
	1100-0505	NGA	Network Graphic Annunciator (1st Generation)	
X	PM-9	Power Supply	9 Ampere Power Supply	
X	ILI-MB-E3	System Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI-S-E3	System Sensor	Inteligent Loop Interfrace, Supplemental (max-6)	
	ILI95-MB-E3	Apollo Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI95-S-E3	Apollo Sensor	Intelligent Loop Interface, Supplemental (max-6)	
X	2-Batteries		Maximum 18 AH Capacity	
Optional Components				
	E3-BP	Inner Door Filler Plate	Double Size Inner Door Blank Plate	
	1100-0450	Inner Door Filler Plate	Single Size Inner Door Blank Plate	
	1100-0455	Switch Module	ASM-16 Programmable Switch Module	
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Networking Card	Network Repeater, Unshielded Twisted-Pair	
	FSL-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	
	90518	7 A/H Seismic	7 A/H Seismic Battery Bracket Kit	
	90520	18 A/H Seismic	18 A/H Seismic Battery Bracket Kit	
	E3-TRIMKIT-D		E3 Cabinet D, Trim Rings	

Table 2.5.1 E3 Series "D" Size Cabinet Ordering Information

2.6 S3-Slim Cabinet Ordering Information

The S3-Slim Cabinet is used to house the modules that support the S3 Series Small Addressable Fire Alarm Control Panel System. Figure 2.6.1 illustrates the S3-Slim cabinet configuration. Table 2.6.1 lists the components that can be ordered for the S3 Slim cabinet.

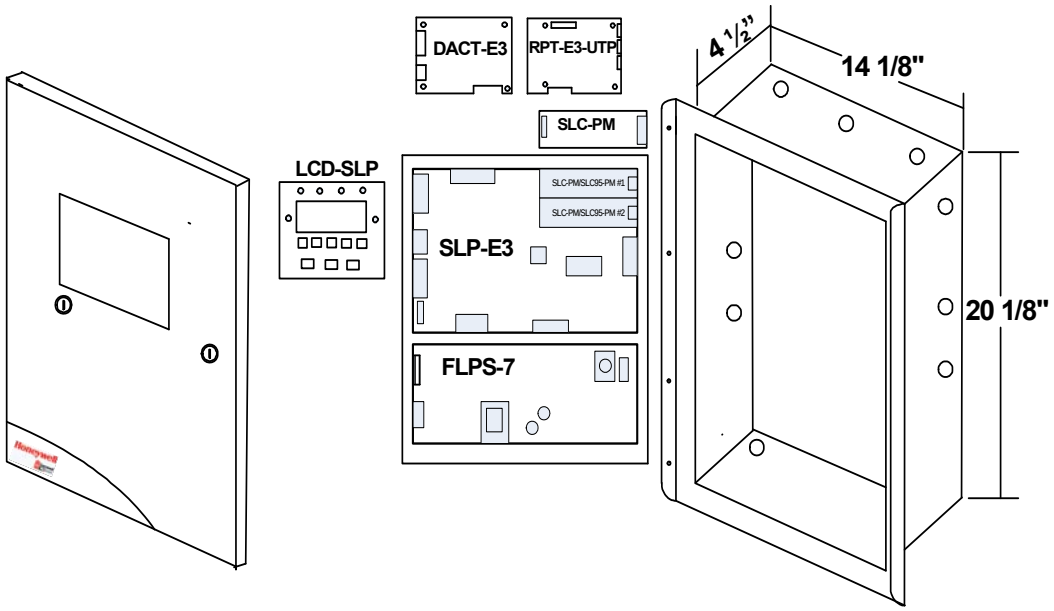


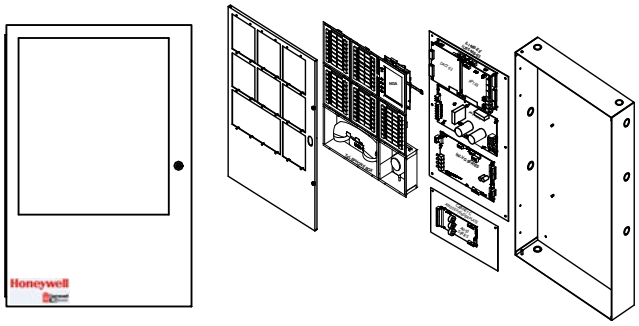
Figure 2.6.1 S3 Slim Cabinet

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinets	**Dimensions:**		
X	SLP-BLK	14 1/8”W x 20 1/8”H x 4 1/2”D	Smart Loop Panel Addressable FACP in black enclosure.	
	SLP-RED	14 1/8”W x 20 1/8”H x 4 1/2”D	Smart Loop Panel Addressable FACP in red enclosure.	
X	SLC-PM	System Sensor SLC module	Velociti SLC loop 318 devices. Requires 1 or 2 devices used for SLC loops.	
	SLC95-PM	Apollo SLC module	Apollo SLC loop 126 devices. Requires 1 or 2 devices used for SLC loops.	
	LCD-SLP	S3 Main Display	LCD Touch screen display unit (shipped with SLP-BLK).	
	FLPS-7-RB	7 amp Power Supply	Power Supply unit (shipped with SLP-BLK)	
X	2 Batteries		12 A/H Batteries	
Optional Components				
	DACT-E3	Dialer	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Networking Card	Network repeater, unshielded twisted-pair	
	FSL-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 channel	

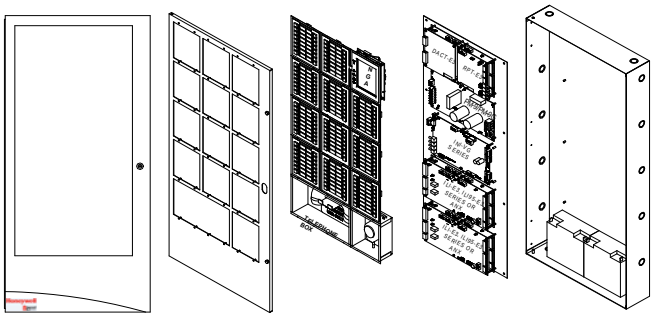
Table 2.6.1 S3-Slim Cabinet Ordering Information

Section 3: Basic E3 Series In-Building Mass Notification Cabinet Configurations

E3BB-BC/INCC “C” CAB COMBINATION FIRE/ACU



E3BB-BD/INCC “D” CAB COMBINATION FIRE/ACU



3.1 E3 Series ACU "C" Size Cabinet used for Combination Fire/MNS System (NGA Display) Ordering Information

The E3 Series ACU "C" Size Cabinet is used to house the components that support the E3 Series Combined Fire/Mass Notification System. Figure 3.1.1 illustrates the E3 Series ACU "C" Size cabinet configuration. Table 3.1.1 lists the E3 Series ACU "C" Size cabinet ordering information.

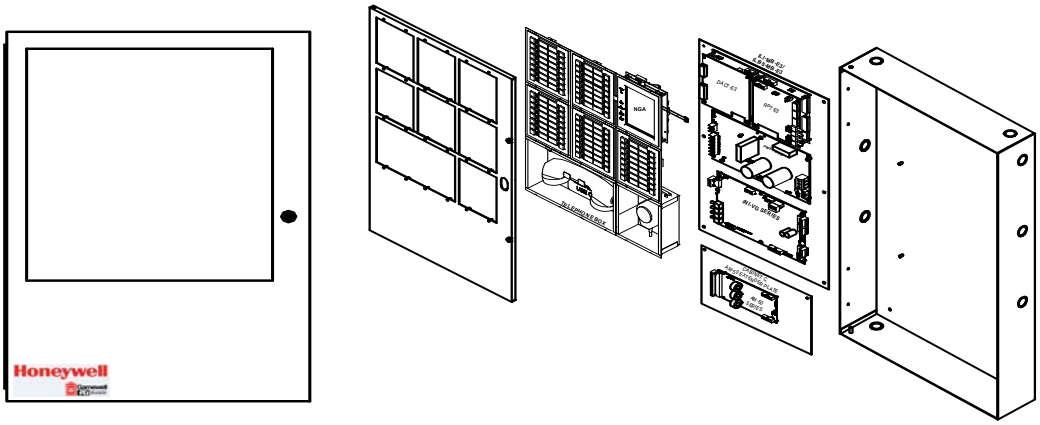


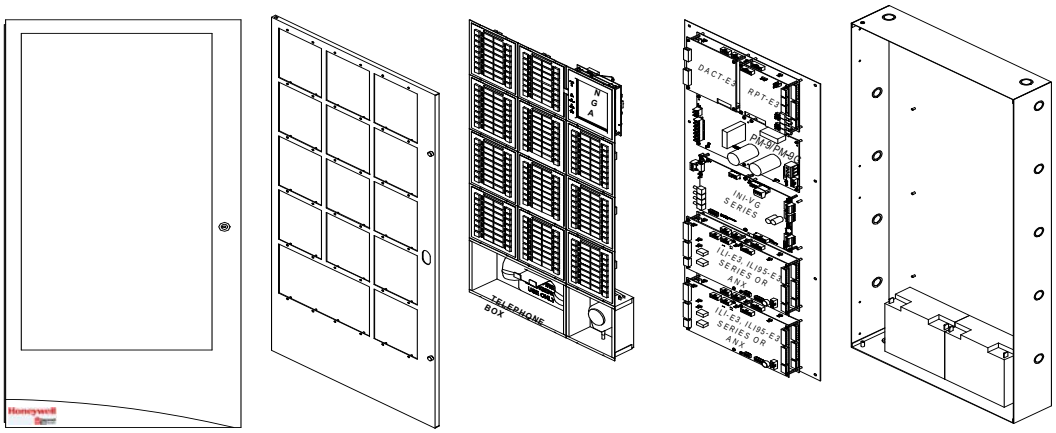
Figure 3.1.1 E3 Series ACU "C" Size Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
X	E3BB-BC/INCC	30"H x 19 3/8"W x 4 1/2"D	Enclosure, Command Center Black, "C" Size	
X	E3-INCC-C PLATE	Mounting Plate	Command Center Mounting Plate, "C" Size	
X	E3ID3-C	3 Slots Door	Inner Door, Command Center, 3 Slots "C" Size	
Modules				
	NGA	NGA	NGA, Network Graphic Annunciator (2nd Generation)	
X	1100-0505	NGA	NGA, Network Graphic Annunciator (1st Generation)	
X	1100-0452	MIC	INCC-MIC, Paging Microphone	
	1100-0455	ASM-16	Programmable Switch Module	
	1100-0451	INCC-TEL	Command Center Firefighter Telephone Module	
X	ILI-MB-E3	System Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI95-MB-E3	Apollo Sensor	Intelligent Loop Interface, Mother Board (max-2)	
X	PM-9	Power Supply	9 Ampere Power Supply	
	INI-VGC	INI-VGC	Command Center Voice Gateway (3rd Generation)	
	1100-1321	INI-VGC-FO	Command Center Voice Gateway Fiber-Optic	
	1100-1322	INI-VGC-UTP	Command Center Voice Gateway Twisted-Pair	
	INI-VGX	INI-VGX	Transponder Voice Gateway (3rd Generation)	
	1100-1323	INI-VGX-FO	Transponder Voice Gateway Fiber-Optic	
	1100-1324	INI-VGX-UTP	Transponder Voice Gateway Twisted-Pair Wire	
	INI-VGE	INI-VGE	Classic Voice Gateway (3rd Generation)	
	1100-1325	INI-VGE-FO	Classic Voice Gateway Fiber-Optic	
	1100-1326	INI-VGE-UTP	Classic Voice Gateway Twisted-Pair Wire	
Optional Components				
	AM-50-Plate	AM50-Extender Plate	Amplifier Extender Plate (Supports One AM-50)	
	1100-0456	AM-50-25	AM-50 Watt Amplifier (max-1)	
	AM-50-70	70V Amp	70V 50 Watt amplifier (max-1)	
	90521	Line Filter	AC Line Filter Required with 70V Amplifier	
	90492	Thumb Lock	Thumb Quarter Turn Latch	
	E3-TRIMKIT-C		Trim Ring Kit	
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Networking Card	Network Repeater, Unshielded Twisted-Pair	
	FSL-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	

Table 3.1.1 E3 Series ACU "C" Size Cabinet for Combination Fire/MNS System Ordering Information

3.2 E3 Series ACU "D" Size Cabinet used for Combination Fire/MNS System (NGA Display) Ordering Information

The E3 Series ACU "D" Size Cabinet is used to house the components that support the E3 Series Combined Fire/Mass Notification System. Figure 3.2.1 illustrates the E3 Series ACU "D" Size cabinet configuration. Table 3.2.1 lists the E3 Series ACU "C" Size cabinet ordering information.



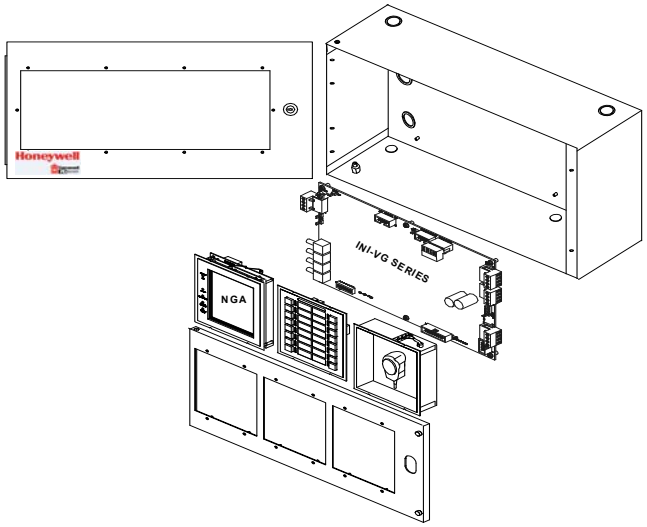
3.2.1 E3 Series ACU "D" Size Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
X	E3BB-BD/INCC	41"H x 19 3/8"W x 4 1/2"D	Enclosure, Command Center Black, "D" Size	
X	E3-INCC-D PLATE	Mounting Plate	Command Center Mounting Plate, "D" Size	
X	E3ID3-D	3 Slots Door	Inner Door, Command Center, 3 Slots "D" Size	
Modules				
	NGA	NGA	NGA, Network Graphic Annunciator (2nd Generation)	
X	1100-0505	NGA	NGA, Network Graphic Annunciator (1st Generation)	
X	1100-0452	MIC	INCC-MIC, Paging Microphone	
	1100-0455	ASM-16	Programmable Switch Module	
	1100-0451	INCC-TEL	Command Center Firefighter Telephone Module	
X	ILI-MB-E3	Loop Interface	Intelligent Loop Interface, Mother Board	
	ILI-S-E3	Loop Interface	Intelligent Loop Interface, Supplemental	
	ILI95-MB-E3	Loop Interface	Intelligent Loop Interface, Mother Board XP95	
	ILI95-S-E3	Loop Interface	Intelligent Loop Interface, Supplemental XP95	
X	PM-9	Power Supply	9 Ampere Power Supply	
	INI-VGC	INI-VGC	Command Center Voice Gateway (3rd Generation)	
	1100-1321	INI-VGC-FO	Command Center Voice Gateway Fiber-Optic	
	1100-1322	INI-VGC-UTP	Command Center Voice Gateway Twisted-Pair	
	INI-VGX	INI-VGX	Transponder Voice Gateway (3rd Generation)	
	1100-1323	INI-VGX-FO	Transponder Voice Gateway Fiber-Optic	
	1100-1324	INI-VGX-UTP	Transponder Voice Gateway Twisted-Pair Wire	
	INI-VGE	INI-VGE	Classic Voice Gateway (3rd Generation)	
	1100-1325	INI-VGE-FO	Classic Voice Gateway Fiber-Optic	
	1100-1326	INI-VGE-UTP	Classic Voice Gateway Twisted-Pair Wire	
Optional Components				
	1100-0456	AM-50-25	AM-50 Watt Amplifier (max-1)	
	AM-50-70	70V Amp	70V 50 Watt amplifier (max-1)	
	90521	Line Filter	AC Line Filter Required with 70V Amplifier	
	90492	Thumb Lock	Thumb Quarter Turn Latch	
	E3-TRIMKIT-C		Trim Ring Kit	
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Networking Card	Network Repeater Twisted-Pair Wire	
	FSL-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	

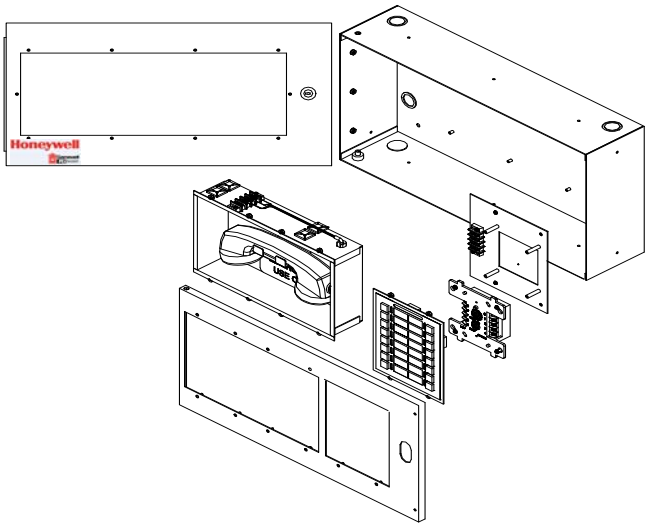
Table 3.2.1 E3 Series ACU "D" Size Cabinet Combination Fire/MNS System

Section 4: Basic E3 Series In-Building Mass Notification LOC Configurations

LOC



LOC-TEL



4.1 E3 Series LOC Local Operating Console OrderInformation

The E3 Series LOC Local Operating Console is used to house the components that support the remote audio modules of the E3 Series Combined Fire/Mass Notification System. Figure 4.1.1 illustrates the E3 Series LOC Local Operating Console cabinet configuration. Table 4.1.1 lists the E3 Series LOC Local Operating Console ordering information.

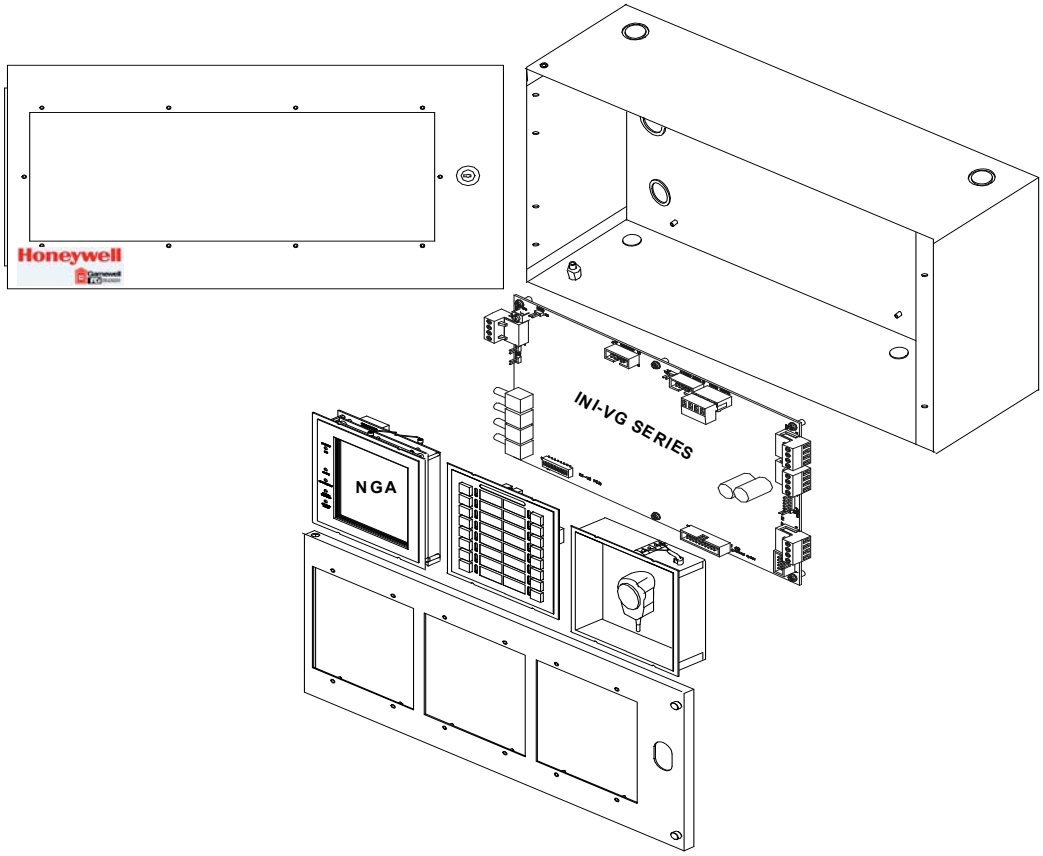


Figure 4.1.1 E3 Series LOC Local Operating Console

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
X	E3BB-BAA	19 1/4”W x 10”H x 4 1/4” D	Enclosure, Black, “AA” Size Cabinet	
X	E3ID3-A	3 Slots Door	Inner Door, 3 Slots	
Modules				
	INI-VGC, INI-VGE, INI-VGX	INI-VGC, INI-VGE, INI-VGX	INI-VGC, Voice Gateway (3rd Generation)	
X	1100-1321	Voice Gateway	INI-VGC, Voice Gateway (1st/2nd Generation)	
X	1100-0452	MIC	INCC-MIC, Paging Microphone	
X	1100-0455	ASM-16	Programmable Switch Module	
	NGA	NGA	NGA, Network Graphic Annunciator (2nd Generation)	
X	1100-0505	NGA	NGA, Network Graphic Annunciator (1st Generation)	
Optional Components				
	AOM-2SF	LOC Lock-out	Addressable Output Supervised Relay	
	90492		Thumb Quarter Turn Latch	
	E3-TRIMKIT-A		Trim Ring Kit	

Table 4.1.1 E3 Series LOC Local Operating Console Ordering Information

4.2 E3 Series LOC-TEL Local Operating Console Ordering Information

The E3 Series LOC-TEL Local Operating Console is used to house the components that support the remote audio modules of the E3 Series Combined Fire/Mass Notification System. Figure 4.2.1 illustrates the E3 Series LOC Local Operating Console configuration. Table 4.2.1 lists the E3 Series LOC Local Operating Console ordering information

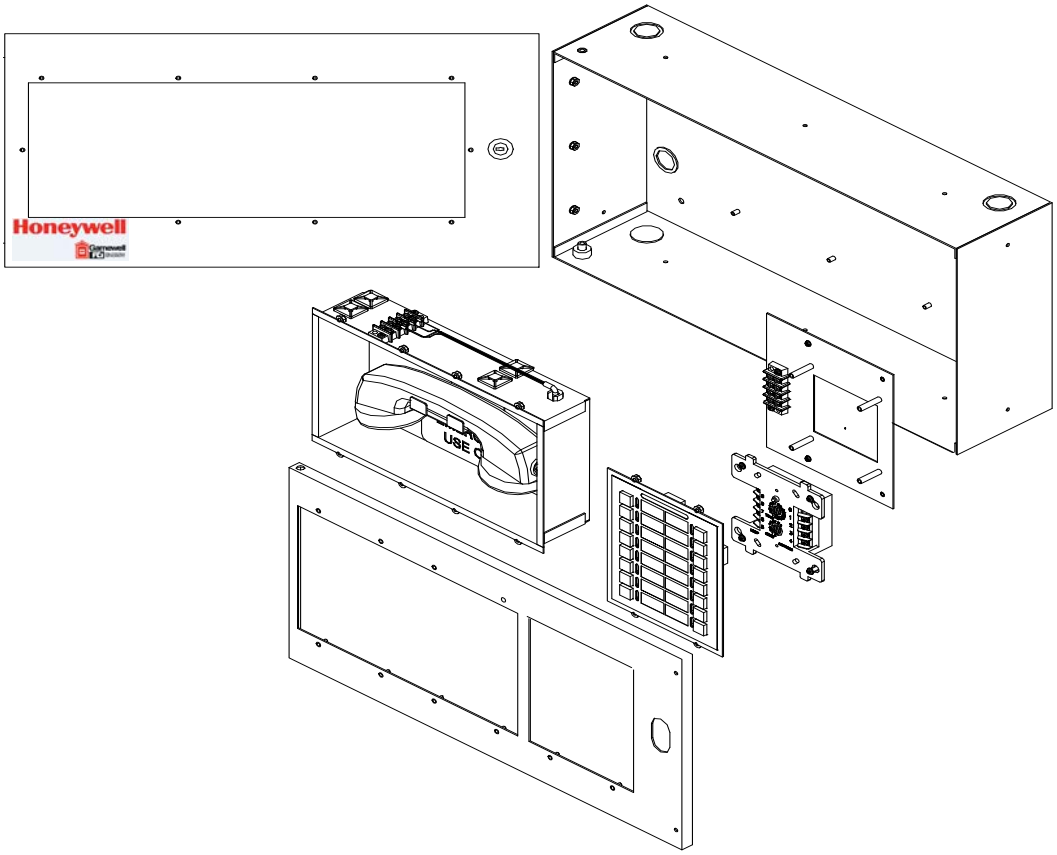


Figure 4.2.1 E3 Series LOC-TEL Local Operating Console

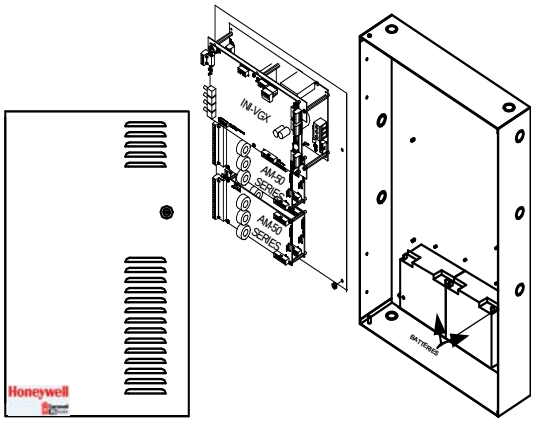
Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
X	E3BB-BAA	19 1/4“ x 10”H x 4 1 /2”D	Enclosure, Black, “AA” Size Cabinet	
X	E3ID2-TA	2 Slots Door	Inner Door, 2 Slots for INCC-Tel	
X	90510	AOM-TEL PLATE	KIT, AOM-TEL Plate, E3	
Modules				
X	1100-0451	INCC-TEL	Firefighter Telephone Module	
X	1100-0455	ASM-16	Programmable Switch Module	
X	AOM-TELF	Monitor Module	Telephone Monitor Module	
X	1N4006	Blocking Diode		
Optional Components				
	90492	Thumb Lock	Thumb Quarter Turn Latch	
	E3-TRIMKIT-A		Trim Ring Kit	

Table 4.2.1 E3 Series LOC-TEL Local Operating Console Ordering Information

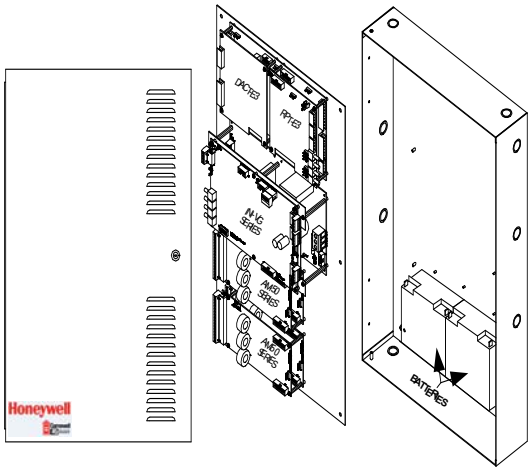
Section 5: Basic E3 Series Audio Transponder Cabinet Configurations

INX CAB-B

INX-Transponder CAB-B

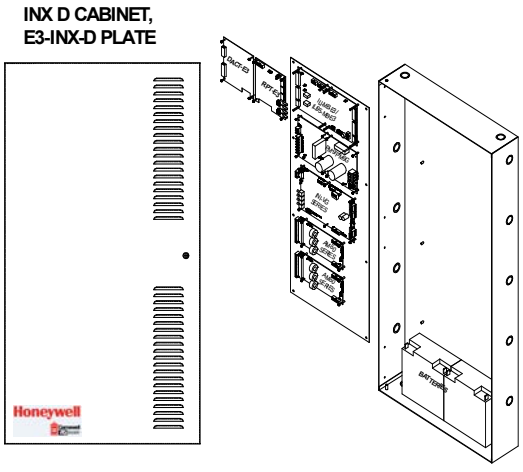


INX-Transponder CAB-C



INX D CABINET, E3-INX-D PLATE

INX-Transponder CAB-D



5.1 E3 Series INX CAB-B Cabinet Ordering Information

The E3 Series INX CAB-B cabinet is used to house the components that support the E3 Series Voice Evacuation and the Combined Fire/Mass Notification Systems. Figure 5.1.1 illustrates the E3 Series INX CAB-B cabinet configuration. Table 5.1.1 lists the E3 Series INX CAB-B cabinet ordering information.

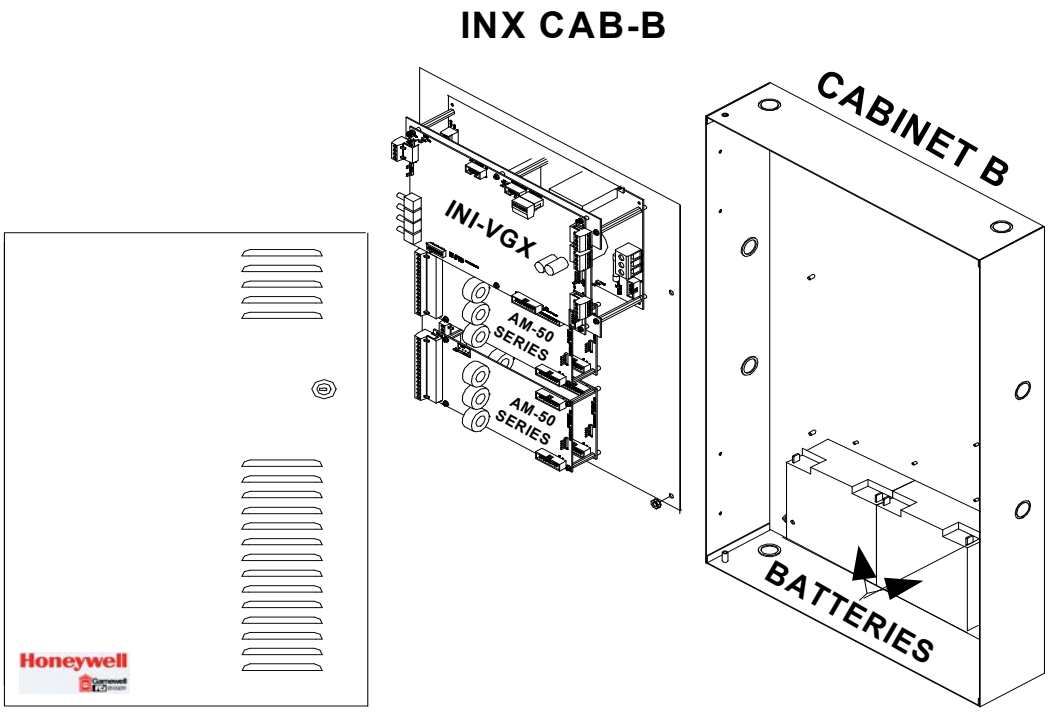


Figure 5.1.1 E3 Series INX CAB-B Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
	INX CAB-B	19 3/8”W x 19 3/8”H x 4 1/2”D		
X	1100-0460	Cabinet	Enclosure, INX CAB-B, “B” Size	
	Modules			
X	PM-9	Power Supply	9 Ampere Power Supply	
	INI-VGX	INI-VGX	Voice Gateway (3rd Generation)	
X	1100-1323	INI-VGX	Voice Gateway (1st/2nd Generation)	
NOTE: Only one type of 50 Watt amplifier may be connected to the INI-VGX (25V or 70V).				
	1100-0456	AM-50-25	25 Volt 50 Watt Amplifier	
	AM-50-70	AM-50-70	70 Volt 50 Watt Amplifier	
2	Batteries		18 A/H	
	90521	AC Line Filter	AC Line Filter, Required with 70V Amplifier	
Optional Components				
	E3-TRIMKIT-B		Trim Ring Kit	
	90518	7 A/H Seismic Kit	E3 CAB-B 7 A/H Seismic Battery Bracket Kit	
	90519	12 A/H Seismic Kit	E3 CAB-B 12 A/H Seismic Battery Bracket Kit	
	90520	18 A/H Seismic Kit	E3 CAB-B 18 A/H Seismic Battery Bracket Kit	

Table 5.1.1 E3 Series INX CAB-B Cabinet Ordering Information

5.2 E3 Series INX CAB-C Cabinet Ordering Information

The E3 Series INX CAB-C cabinet is used to house the components that support the E3 Series Voice Evacuation and the Combined Fire/Mass Notification Systems. Figure 5.2.1 illustrates the E3 Series INX CAB-C cabinet configuration. Table 5.1.1 lists the E3 Series INX CAB-C cabinet ordering information.

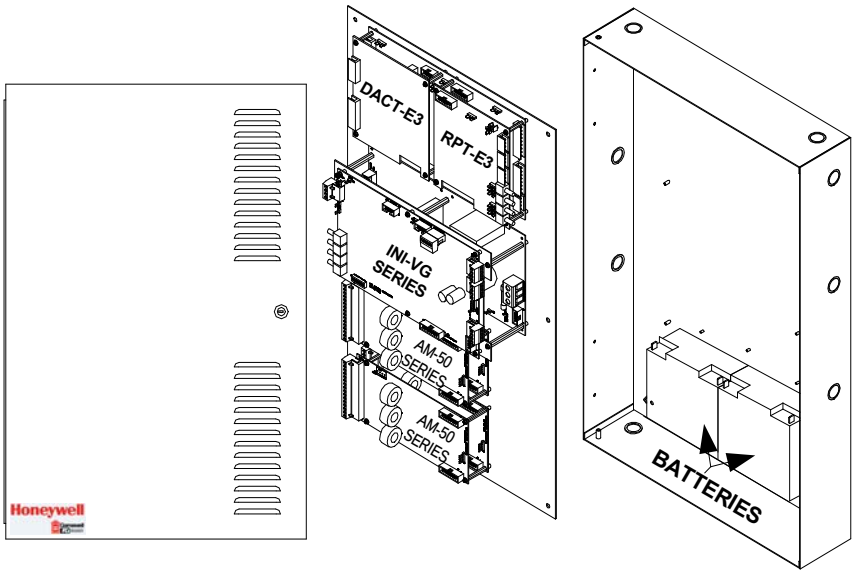


Figure 5.2.1 E3 Series INX CAB-C Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
	INX CAB-C	19 3/8”W x 30”H x 4 1/2”D		
X	E3BB-BC/INX	INX, Cabinet	Enclosure, Transponder, Black, “C” Size	
X	E3-INX-C Plate	INX-C Plate	INX-C Mounting Plate	
X	90375	PM-9 Adapter Plate	PM-9 Adapter Plate Kit, Harware, E3-INX	
Modules				
X	PM-9	Power Supply	9 Ampere Power Supply	
	INI-VGX	INI-VGX	Voice Gateway (3rd Generation)	
X	1100-1323	INI-VGX	Voice Gateway (1st /2nd Generation)	
	1100-0456	AM-50-25	25 Volts 50 Watt Amplifier	
NOTE: Only one type of 50 Watt amplifier may be connected to the INI-VGX (25V or 70V).				
	AM-50-70	AM-50-70	70 Volt 50 Watt Amplifier	
	90521	AC Line Filter	AC Line Filter, Required with 70V Amplifier	
2	Batteries		2-18 AH	
Optional Components				
	ILI-MB-E3	SLC	Intelligent Loop Interface, Mother Board	
	ILI95-MB-E3	SLC	XP95 Intelligent Loop Interface, Mother Board	
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Networking Card	Network Repeater, Unshielded Twisted-Pair	
	FLS-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	
	E3-TRIMKIT-C		Trim Ring Kit	
	90518	7 A/H Seismic Kit	E3 CAB-C 7 A/H Seismic Battery Kit	
	90519	12 A/H Seismic Kit	E3 CAB-C 12 A/H Seismic Battery Kit	
	90520	18 A/H Seismic Kit	E3 CAB-C 18 A/H Seismic Battery Kit	

Table 5.2.1 E3 Series INX CAB-C Cabinet Ordering Information

5.3 E3 Series INX CAB-D Cabinet Ordering Information

The E3 Series INX CAB-D cabinet is used to house the components that support the E3 Series Voice Evacuation and the Combined Fire/Mass Notification Systems. Figure 5.3.1 illustrates the E3 Series INX CAB-D cabinet configuration. Table 5.3.1 lists the E3 Series INX CAB-D cabinet ordering information.

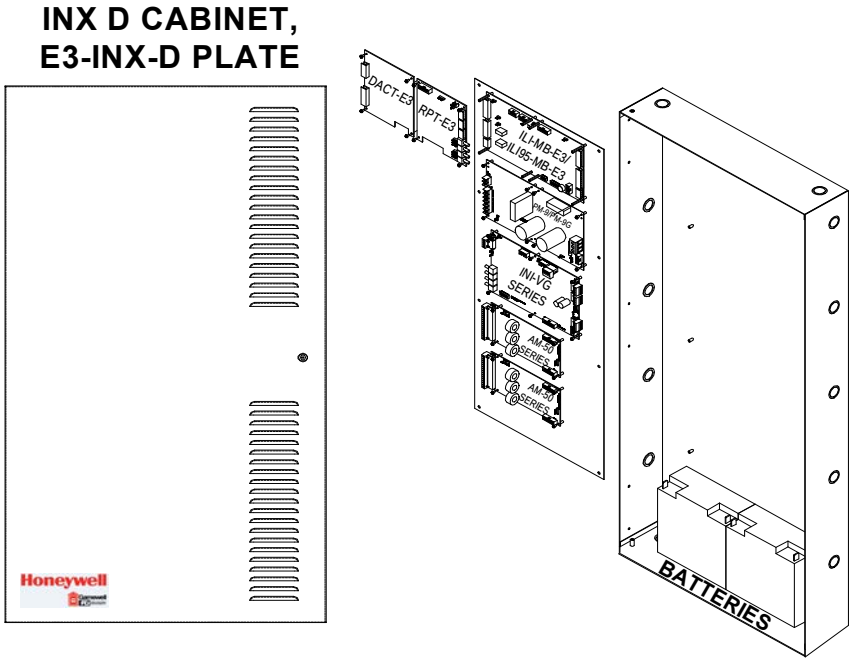


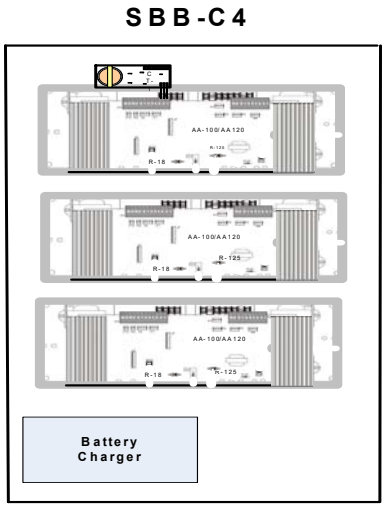
Figure 5.3.1 E3 Series INX CAB-D Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
	INX CAB-D	19 3/8”W x 41”H x 4 1/2”D		
X	E3BB-BD/INX	INX, Cabinet	Enclosure, Transponder, Black, “D” Size	
X	E3-INX-D Plate	INX-D Plate	INX-D Mounting Plate	
	Modules			
X	PM-9	Power Supply	9 Ampere Power Supply	
	INI-VGX	INI-VGX	Transponder Voice Gateway (3rd Generation)	
X	1100-1323	INI-VGX	Transponder Voice Gateway (1st/2nd Generation)	
	1100-0456	AM-50-25	25 Volts 50 Watt Amplifier	
NOTE: Only one type of 50 Watt amplifier may be connected to the INI-VGX (25V or 70V).				
	AM-50-70	AM-50-70	70 Volt 50 Watt Amplifier	
	90521	AC Line Filter	AC Line Filter, Required with 70V Amplifier	
2	Batteries		2-18 AH	
Optional Components				
	ILI-MB-E3	SLC Card	Intelligent Loop Interface, Mother Board	
	ILI95-MB-E3	XP95 SLC	XP95 Intelligent Loop Interface, Mother Board	
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Networking Card	Network Repeater, Unshielded Twisted-Pair	
	FSL-E3	Fiber Networking	Fiber Network Module, Sing-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	
	E3-TRIMKIT-D		Trim Ring Kit	
	90518	7 A/H Seismic Kit	E3 CAB-D 7 A/H Seismic Battery Kit	
	90519	12 A/H Seismic Kit	E3 CAB-D 12 A/H Seismic Battery Kit	
	90520	18 A/H Seismic Kit	E3 CAB-D 18 A/H Seismic Battery Kit	

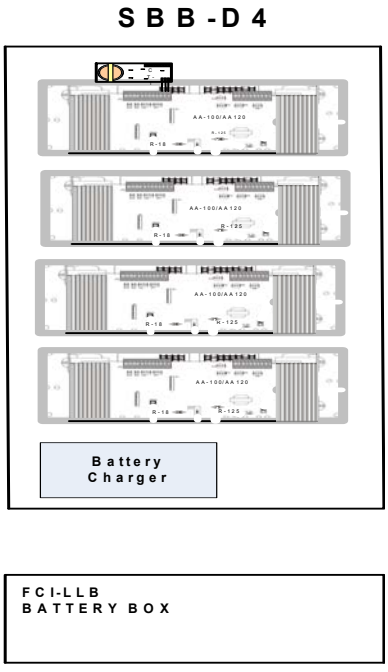
Table 5.3.1 E3 Series INX CAB -D Cabinet Ordering Information

Section 6: E3 Series Classic Bulk Audio Cabinet Configurations

Bulk Audio SBB-C4



Bulk Audio SBB-D4



6.1 E3 Series Classic, SBB-C4 Cabinet Ordering Information

The E3 Series Classic, SBB-C4 Cabinet houses the components that support the bulk audio amplifiers required for the E3 Series Fire and Voice Evacuation Systems. Figure 6.1.1 illustrates the E3 Series Classic SBB-C4 cabinet configuration. Table 6.1.1 lists the E3 Series Classic SBB-C4 cabinet ordering information.

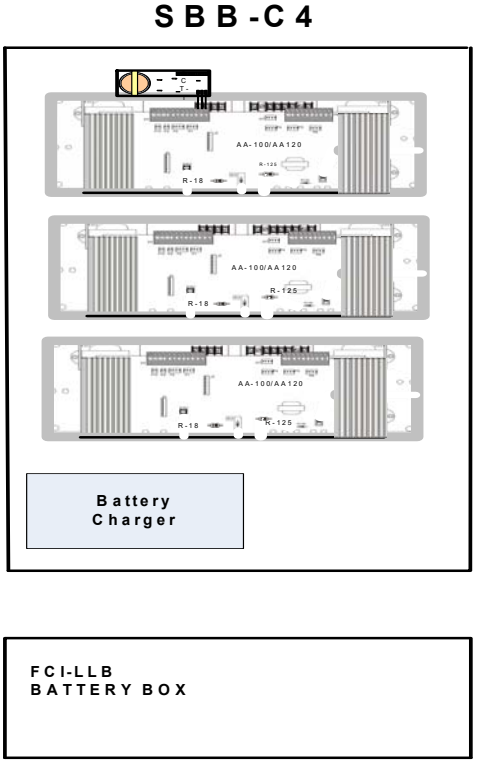


Figure 6.1.1 E3 Series Classic, SBB-C4 Cabinet Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
X	SBB-C4	24 W X 37 1/8 H X 5 1/8 D	Backbox, Accepts 3 Chassis, Black	
X	FCI-DR-C4B	Blank Door	Blank Door, Lock & Keys, for 3 Chassis Backbox	
	Modules			
	AA-120	Bulk Audio Amplifier	120 W Amplifier 25 V RMS	
	AA-100	Bulk Audio Amplifier	100 W Amplifier 70.7 VRMS	
X	ACT-1		Audio Coupling Transformer (one required)	
X	FCI-CHG-120		Battery Charger, 25-120 A/H Gel Cell	
X	FCI-LBB		Large Battery Box	
Optional Components				
	MCH-6		MCH-6 6-Unit Mounting Chassis	
	MMO-6SF		Multi-Module Output, Relay	

Table 6.1.1 E3 Series Classic SBB-C4 Cabinet Ordering Information

6.2 E3 Series Classic SBB-D4 Ordering Information

The E3 Series Classic, SBB-D4 Cabinet houses the components that support the bulk audio amplifiers required for the E3 Series Fire and Voice Evacuation Systems. Figure 6.2.1 illustrates the E3 Series Classic cabinet configuration. Table 6.2.1 lists the E3 Series Classic Bulk Audio cabinet ordering information.

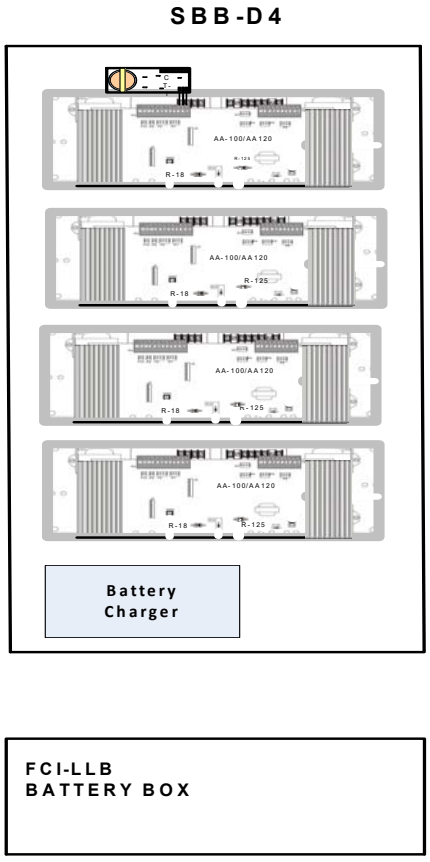


Figure 6.2.1 E3 Series Classic, SBB-D4 Cabinet Configuration

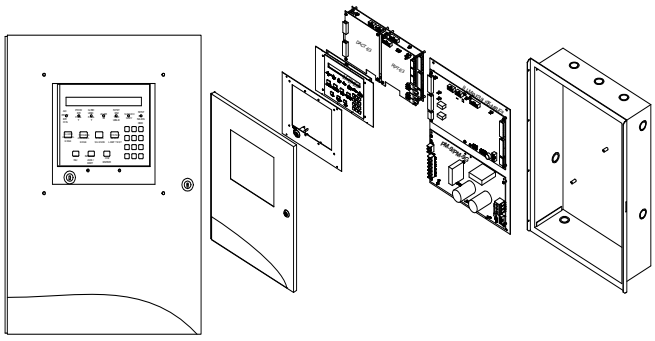
Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
X	SBB-D4	24” W x 45 7/8” H x 5 1/8” D	Cabinet Backbox, Accepts 4 Chassis, Black	
X	FCI-DR-D4B	Blank Door	Blank Door, Lock & Keys, for 4 Chassis Backbox	
Modules				
	AA-120	Bulk Audio Amplifier	120 W Amplifier 25 V RMS	
	AA-100	Bulk Audio Amplifier	100 W Amplifier 70.7 VRMS	
X	ACT-1		Audio Coupling Transformer (one required)	
X	FCI-CHG-120		Battery Charger, 25-120 A/H Gel Cell	
X	FCI-LBB		Large Battery Box	
Optional Components				
	MCH-6		MCH-6 6-Unit Mounting Chassis	
	MMO-6SF		Multi-Module Output, Relay	

Table 6.2.1 E3 Series Classic SBB-D4 Cabinet Ordering Information

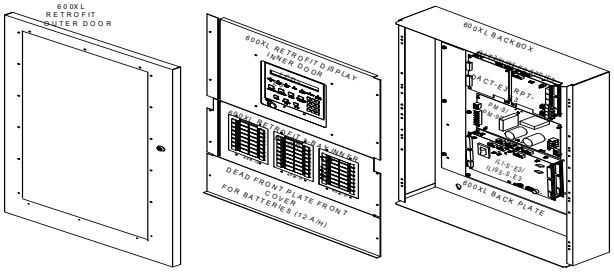
Section 7: Retrofit Kit Cabinets

Retrofit Kit Cabinets

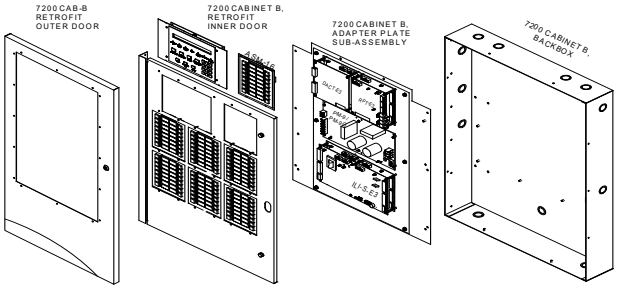
IF600 Retrofit



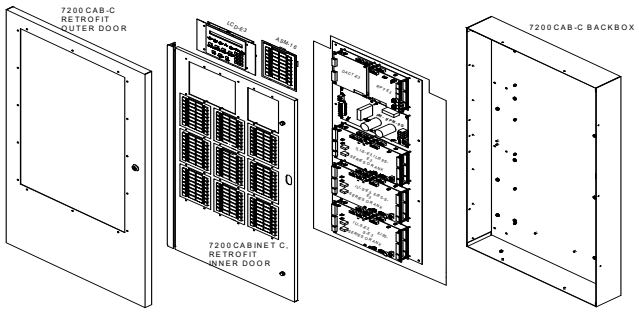
600XL Retrofit



FCI 7200 “B” Retrofit



FCI 7200 “C”Retrofit



7.1 IF600-Retrofit Backbox Ordering Information

The IF600-Retrofit backbox is used to house the components that support the E3 Series Fire Evacuation System. Figure 7.1.1 illustrates the IF600-Retrofit backbox configuration. Table 7.1.1 lists the IF600-Retrofit backbox ordering information.

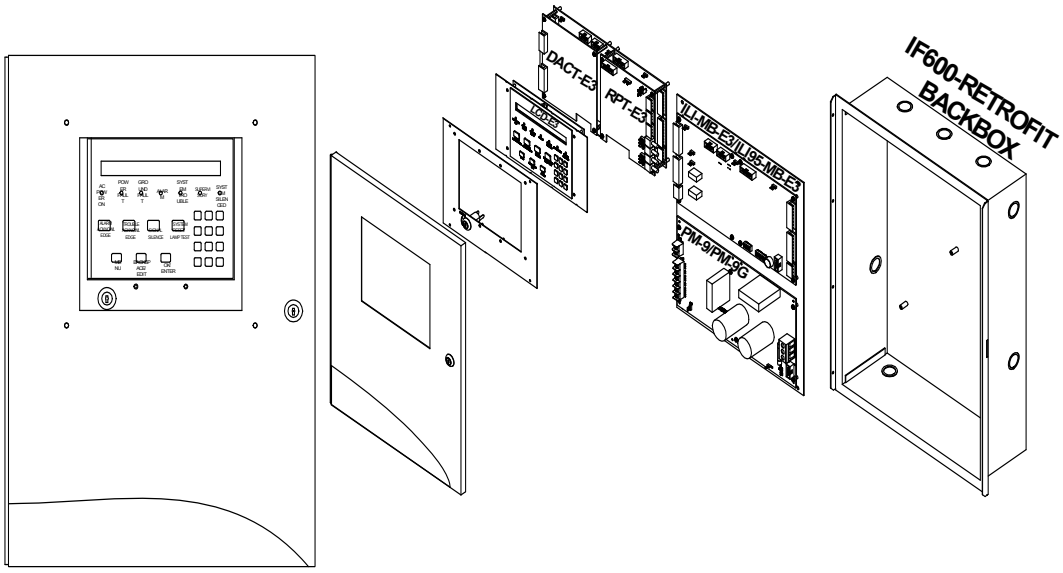


Figure 7.1.1 IF600 Retrofit Backbox Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents required components.				
	Cabinet	**Dimensions:**		
X	IF600-RETROFIT	20 1/8”H x 14 1/8”W x 4 1/2”D	E3BB-RBSLIM Door, Red, Back Plate	
Modules				
	ILI-MB-E3	System Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI-S-E3	System Sensor	Intelligent Loop Interface, Supplemental (max-1)	
X	ILI95-MB-E3	Apollo Sensor	Intelligent Loop Interface, Mother Board (max-1)	
X	ILI95-S-E3	Apollo Sensor	Intelligent Loop Interface, Supplemental (max-1)	
X	PM-9	Power Supply	9 Ampere Power Supply	
X	LCD-E3	Display	LCD Keypad Display	
2	Batteries			
Optional Components				
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Repeater	Network Repeater, Unshielded Twisted-Pair	
	RPT-E3-FO	Repeater	Network Repeater, Fiber-Optic	
	75687	Cable	75687-A Special Order Cable	

Table 7.1.1 IF600 Retrofit Backbox Ordering Information

7.2 600XL Retrofit Backbox Ordering Information

The 600XL Retrofit backbox is used to house the components that supports the E3 Series Fire Evacuation System. Figure 7.2.1 illustrates the 600XL Retrofit backbox configuration. Table 7.2.1 lists the 600XL Retrofit backbox ordering information.

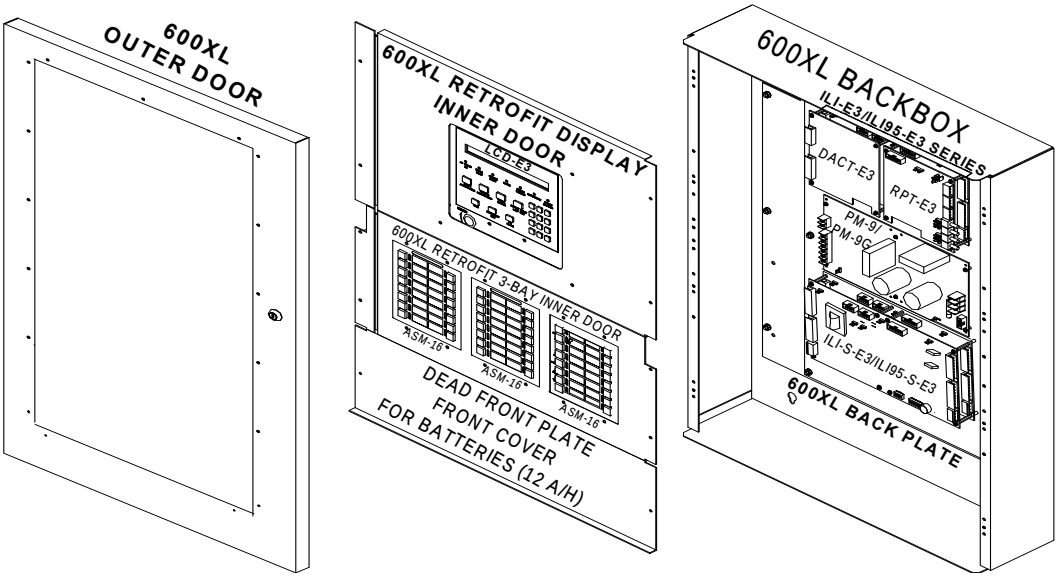


Figure 7.2.1 600XL Retrofit Backbox Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents required components.				
	Cabinet	**Dimensions:**		
X	600XL RETROFIT	Gamewell IF 602XL, IF610XL, IF632 Cabinet Retrofit Kit for E3 Series Upgrade	Includes Outer Door, Inner Door for the LCD-E3 and a Plate for (3) ASM-16s. Also includes a Dead Front Cover, Cabinet Mounting Plate for an E3 C-Size Plate.	
X	E3-ILI-CPLATE	Used for FACP	Intelligent Loop Module Mounting Plate	
Modules				
X	ILI95-MB-E3	Apollo Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI95-S-E3	Apollo Sensor	Intelligent Loop Interface, Supplemental (max-1)	
X	LCD-E3	Display	LCD Keypad Display	
X	PM-9	E3 Series Power Supply	9 Ampere Power Supply	
X	2 Batteries		Maximum 18 AH Capacity	
Optional Components				
	1100-0450	Inner Door Filler Plate	Single Size Inner Door Blank Plate	
	1100-0455	ASM-16	ASM-16 Programmable Switch Module	
	DACT-E3	DACT	Digital Alarm Communiocation Transmitter	
	RPT-E3-UTP	Networking Card	Network Repeater, Unshielded Twisted-Pair	
	FSL-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	
	RAN-7100	Remote Serial Annunciator	Installs on GWRAN2-BB	

Table 7.2.1 600XL Retrofit Backbox Ordering Information

7.3 7200 Retrofit Kit "B" Size Backbox Ordering Information

The 7200 Retrofit Kit "B" Size backbox is used to house the components that upgrade the 7200 System to the E3 Series Fire Evacuation System. Figure 7.3.1 illustrates the 7200 Retrofit Kit "B" Size backbox configuration. Table 7.3.1 lists the 7200 Retrofit Kit "B" Size backbox ordering information.

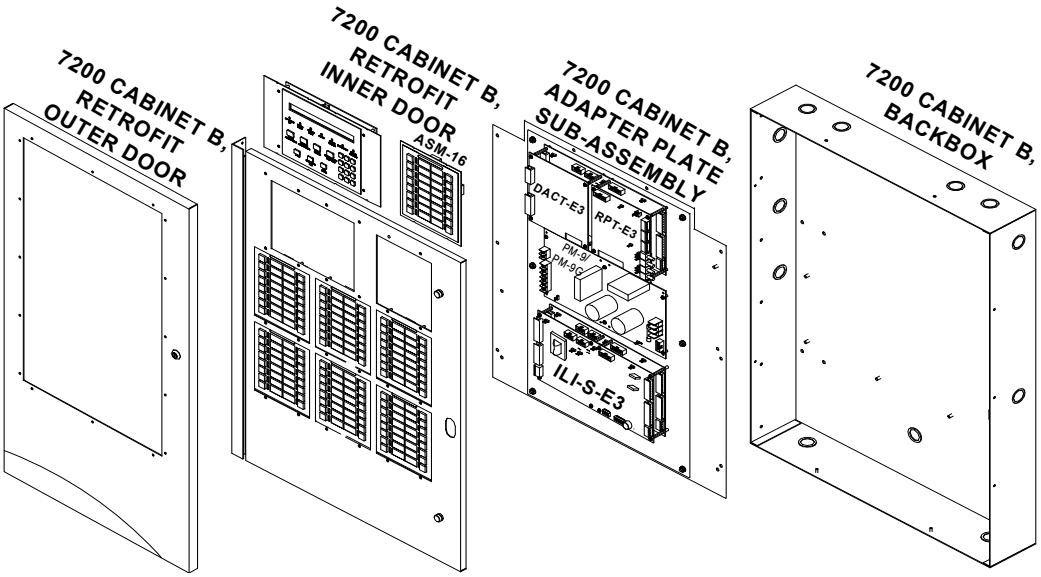


Figure 7.3.1 7200 Retrofit Kit "B" Size Backbox Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
X	7200-B-RETROFIT	FCI 7200 B Size Backbox Retrofit Kit for E3 Series upgrade	Includes Outer Door, Inner Door for LCD-E3 & ASM-16, Cabinet Mounting Plate for E3 C-Size Plate	
X	E3-ILI-CPLATE	Used for FACP	Intelligent Loop Module Mounting Plate	
Modules				
X	ILI-MB-E3	System Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI-S-E3	System Sensor	Intelligent Loop Interface, Supplemental (max-1)	
X	LCD-E3	Display	LCD Keypad Display	
X	PM-9	Power Supply	9 Ampere Power Supply	
X	2 Batteries		Maxium 18 AH Capacity	
Optional Components				
	1100-0455	ASM-16	ASM-16 Programmable Switch Module	
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	RPT-E3-UTP	Repeater	Network Repeater, Unshielded Twisted-Pair	
	FSL-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	
	1100-0450	Blank Plate	Command Center, Blank Plate, Single Size	

Table 7.3.1 7200 Retrofit Kit "B" Size Backbox Ordering Information

7.4 7200 Retrofit Kit "C" Size Backbox Ordering Information

The 7200 Retrofit Kit "C" Size backbox is used to house the components that upgrade the 7200 System to the E3 Series Fire Evacuation System. Figure 7.4.1 illustrates the 7200 Retrofit Kit "C" Size backbox configuration. Table 7.4.1 lists the 7200 Retrofit Kit "C" Size backbox ordering information.

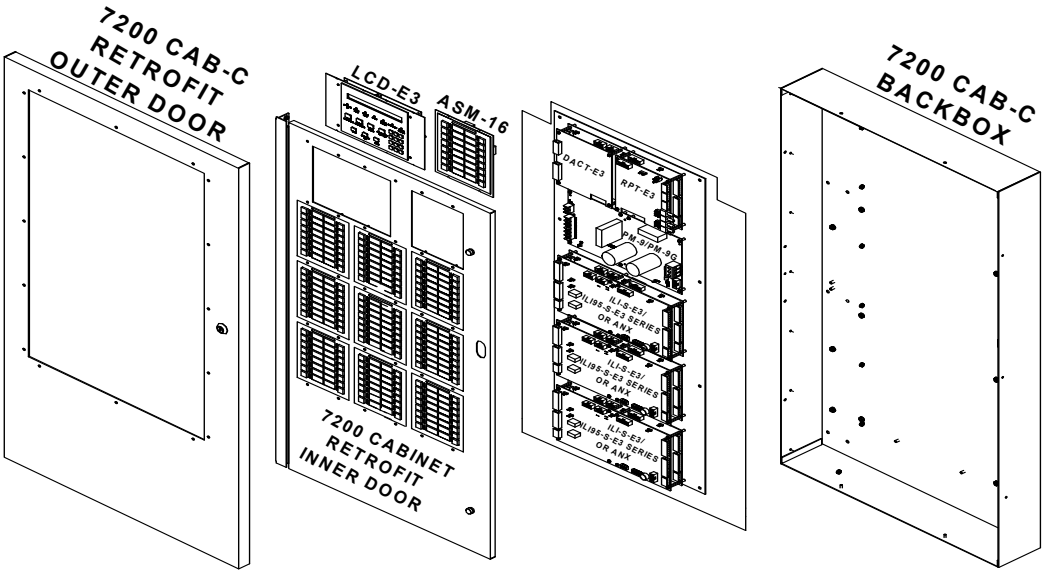


Figure 7.4.1 7200 Retrofit Kit "C" Size Backbox Configuration

Qty	Part Number	Model Number	Description	List Price
Note: X represents the required components.				
	Cabinet	**Dimensions:**		
X	7200-C-RETROFIT	FCI 7200-C-Size Backbox Retrofit Kit for E3 Series upgrade	Includes Outer Door, Inner Door for LCD-E3 & ASM-16, Cabinet Mounting Plate for E3 D-Size Plate	
X	E3-INCC-DPLATE	Used for FACP	Intelligent Loop Module Mounting Plate	
Modules				
X	ILI-MB-E3	System Sensor	Intelligent Loop Interface, Mother Board (max-1)	
	ILI-S-E3	System Sensor	Intelligent Loop Interface, Supplemental (max-1)	
X	LCD-E3	Display	LCD Keypad Display	
X	PM-9	Power Supply	9 Ampere Power Supply	
X	2 Batteries		Maximum 18 AH Capacity	
Optional Components				
	1100-0455	ASM-16	ASM-16 Programmable Switch Module	
	DACT-E3	DACT	Digital Alarm Communication Transmitter	
	1100-0450	Inner Door Filler Plate	Single Size Inner Door Blank Plate	
	RPT-E3-UTP	Networking Card	Network Repeater, Unshielded Twisted-Pair	
	FSL-E3	Fiber Networking	Fiber Network Module, Single-Mode Fiber, 1 Channel	
	FML-E3	Fiber Networking	Fiber Network Module, Multi-Mode Fiber, 1 Channel	

Table 7.4.1 7200 Retrofit Kit "C" Size Backbox Ordering Information

Manufacturer Warranties and Limitation of Liability

Manufacturer Warranties. Subject to the limitations set forth herein, Manufacturer warrants that the Products manufactured by it in its Northford, Connecticut facility and sold by it to its authorized Distributors shall be free, under normal use and service, from defects in material and workmanship for a period of thirty six months (36) months from the date of manufacture (effective Jan. 1, 2009). The Products manufactured and sold by Manufacturer are date stamped at the time of production. Manufacturer does not warrant Products that are not manufactured by it in its Northford, Connecticut facility but assigns to its Distributor, to the extent possible, any warranty offered by the manufacturer of such product. This warranty shall be void if a Product is altered, serviced or repaired by anyone other than Manufacturer or its authorized Distributors. This warranty shall also be void if there is a failure to maintain the Products and the systems in which they operate in proper working conditions.

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