EST™
Life Safety & Communications

EST3X Life Safety Control System

Description

EST3X represents the latest generation of life safety control panels for mid to large sized applications. With large multi-message displays and innovative controls, intuitive interfaces, and bold colored cabinets — these systems capture the imagination, and catch the eye. But behind the LCD display is where they really shine.

New microprocessors and chipsets take full advantage of the latest advances in computing technology, leading to smarter, faster, higher-capacity processing and more efficient designs. EST3X's patented Voltage Boost™ technology, for example, delivers consistent voltage – even at low battery power – resulting in lighter cable requirements and/or longer runs. That saves time and money.

High performance processing also leads to powerful networking features and versatile digital audio functionality. The wide range of EST3X configurations include standalone operation, networking with up to eight nodes, or integration with an EST3 network comprising as many as 64 nodes — complete with EST3-Sixty mass notification capabilities and display of security events.

EST3X sets a new standard in front-panel life safety control interfaces. Its exclusive SpeedTouch™ rotary control offers nimble forward and back scrolling through events and options, while a mere tap of the control selects items with an unprecedented fluidity of motion. Its extra-large backlit display reveals up to eight concurrent messages, and switch/LED strips provide ample space for meaningful custom labels. And for end users, large tactile control buttons instill confidence and promote quick response when time is of the essence.

Standard Features

- Up to six intelligent analog loops hosting as many as 1,500 Signature Series devices per panel
- Optional integrated eight-channel digital audio
- 10 amp power supply with universal 94 to 264 Vac input voltage
- Patented Voltage Boost™ technology delivers consistent voltage — even at low battery power
- Four built-in 3-amp notification/auxiliary circuits
- Large 24-line by 40-character backlit LCD
- Simplified operation with the SpeedTouch™ rotary control
- 65 amp hour battery charger
- Eight- or 64-node network nodes using copper and/or fiber
- Supports up to 30 R-Series remote annunciators
- Removable terminals on all low voltage wiring
- Space for up to three additional option cards such as extra SLC loops, amplifiers, or dialer/modem
- Optional Ethernet interface
- 1,100 event history log

Application

Application flexibility is where EST3X's leading edge computing power is put to best use. This generation of control panels is equally at home as the center of a simple single-building standalone system as it is when part of a sophisticated life safety network serving thousands of points across multiple buildings. Optional voice evacuation bridges the gap left by other mid-range systems, and makes these panels a cost-effective solution for most applications.

Strong Networking

Networking is among EST3X's strong suits. Highly efficient RS485 connectivity, plus fiber-optic communications deliver faster response times and more sophisticated diagnostic capabilities, while cost-effective remote annunciation solutions keep basic monitoring and control always within reach.

A simple EST3X network can comprise up to eight nodes – enough to serve the needs of most campuses and larger buildings. Its ability to join an EST3 network with as many as 64 nodes extends EST3X's reach into mass notification applications, security reporting, as well as making it an ideal candidate for retrofits.

High Capacity Audio

EST3X features a full eight channels of integrated digital audio with up to two minutes of on-board programmable message storage. An optional high quality paging microphone gives live access to local, as well as remote, audio functions. Auxiliary inputs are available for mass notification operations, and ZA Series amplifiers may be mounted directly on the EST3X rail assembly.

An optional paging microphone provides local, as well as remote, audio functions.

Seamless System Integration

EST3X borrows much from it's larger sibling, the venerable EST3 Life Safety Platform. And for good reason: by integrating with the EST3 networking and computing environment, an EST3X control panel can serve as a cost-effective remote node for extinguishing, smoke control, or even mass notification functions — all within the same compliance framework.

Retrofits and expansions benefit enormously from this arrangement, but programming and equipment management for new installations is equally efficient as a result of these shared resources. EST3X will accommodate up to three EST3 modules on its own rail assembly, giving it access to such proven EST3 successes as zoned amplifiers, conventional device circuits, modem communicators, and RS-485 functions. Meanwhile, installers familiar with EST3 configuration will find that the two systems share many of the same programming and diagnostic conventions.

Local and Remote Annunciation

Up to 30 R-Series LCD, LED annunciators and driver interface cards may be configured for each node on the EST3X network. No additional nodes are required for annunciation purposes. In addition, EST3X supports EST3 network annunciators, while GCI and GCIX driver interface cards provide cost-effective graphic annunciation solutions. And all annunciator inputs and outputs are easily programmable through the rules and labels function of EST3X's Software Definition Utility.

Up to 30 R-Series annunciators may be configured for each node on the EST3X network.
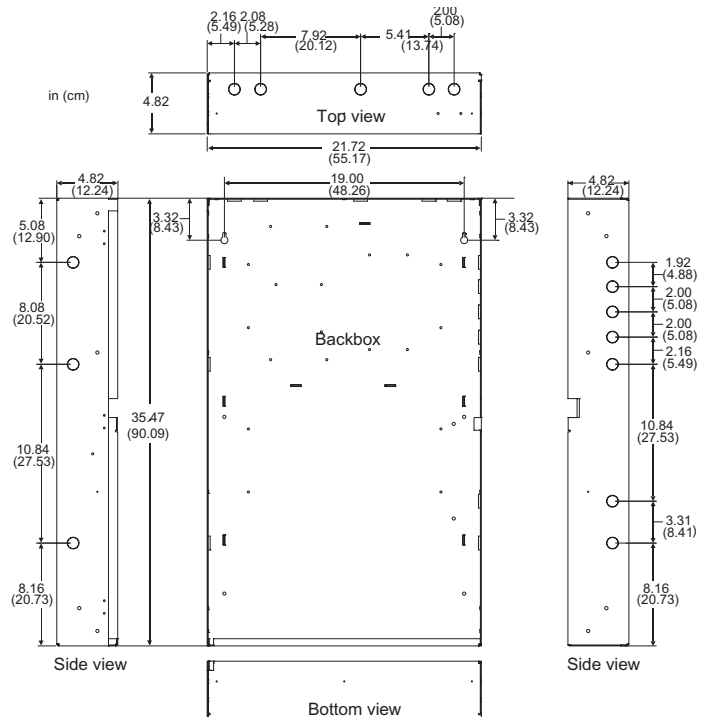
Power to Count On

Edwards' patented Voltage Boost™ technology delivers a consistent 22.5 Vdc – even at low battery power. This means lighter gauge cable can be used for equivalent distances compared with conventional power supplies, or longer wire runs on the same gauge cable. Either way, this breakthrough technology saves time and equipment costs, making EST3X not only a high-performance solution — but a cost-effective one as well.

EST3X's four on-board Notification Appliance Circuits are fully synchronized to UL 1971 standards — without the need for external modules or other electronics. It's ample 10-amp power supply is finely tuned to get the most out of Edwards' widely-acclaimed low profile Genesis notification appliances.

Dimensions

The backbox is designed for semiflush or surface mounting. Conduit and nail knockouts, keyhole style mounting holes, and wide wiring troughs facilitate efficiency during installation.
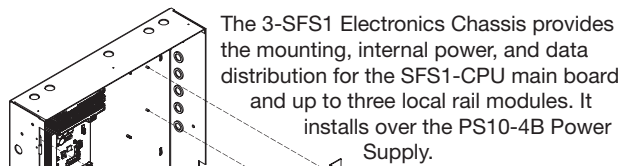
in (cm)

Top view

2.16 (5.49) 2.08 (5.28) 7.92 (20.12) 5.41 (13.74) 2.00 (5.08)

4.82

21.72 (55.17)

19.00 (48.26)

4.82 (12.24)

5.08 (12.90) 3.32 (8.43) 3.32 (8.43)

8.08 (20.52)

Backbox

35.47 (90.09)

10.84 (27.53)

8.16 (20.73)

Side view

Bottom view

4.82 (12.24)

1.92 (4.88)
2.00 (5.08)
2.00 (5.08)
2.16 (5.49)

10.84 (27.53)

3.31 (8.41)

8.16 (20.73)

Side view

Note: Add 0.25 in (0.64 cm). to height and width dimensions to allow for knockouts when framing in the backbox for semiflush mounting.

System Layout

Up to six intelligent analog loops hosting as many as 250 devices each.

SLC1 Standard	SLC2 3-SDC1	SLC3	SLC4	SLC5	SLC6

SLC3 SLC4: 3-SDDC1 (occupies one LRM expansion slot)

SLC5 SLC6: 3-SDDC1 (occupies one LRM expansion slot)

Four 3-amp Class B NACs. Four Class A NACs with CLA-PS10.

NAC 1	NAC 2	NAC 3	NAC 4

Up to three EST3 Local Rail Modules including:
• Signature Series Drivers
• Zoned Amplifiers
• Modem Communicators
• Network Short Haul Modems
• Fiber Optic Communications Interfaces
• Hardwired Initiating Device Modules

Up to three Control/Display Modules

Up to 30 Class B Annunciators. 4,000 ft. max.

Ethernet (3X-ETH)

RS-232

Relays: 3 Form C

Aux. Power: 24 VDC, 1.0 A total

3X-NET(8)   3X-FIB8

Or...

EST3 Network... up to 64 nodes
UL Listed Signaling
UL Listed Life Safety Detection
UL Listed Security
UL Listed Mass Notification

EST3X Network... up to *eight* nodes
UL Listed Signaling
UL Listed Life Safety Detection

Wiring

■ Signature (initiating) Data Circuit

Required for Class A only

To two-wire smoke detector

Auxiliary power, +24 V

Auxiliary power, common

If shielding is used, it must be continuous and free from earth ground.

All wiring is power limited.

SFS1-CPU Main Board

■ Notification Appliance Circuits

PS10-4B Power supply

Normal

Active

EOL resistor

Wiring is supervised and power limited.

TB2 terminal marking indicates signal polarity when the circuit is not active. Polarity reverses when the circuit is active.

For proper circuit supervision, break the wire run at each notification appliance and install the EOL resistor at the end of the circuit.

Do not loop wires around notification appliance terminals.

■ Network data circuit

SFS1-CPU Main Board

To next network node

Class A only

■ Network data circuit, Class B audio

SFS1-CPU Main Board

To next network node

3-ASU/3X-PMI Primary Audio Data

■ Network data circuit, Class A audio

SFS1-CPU Main Board
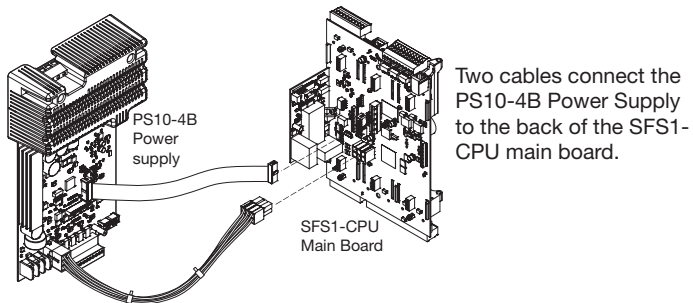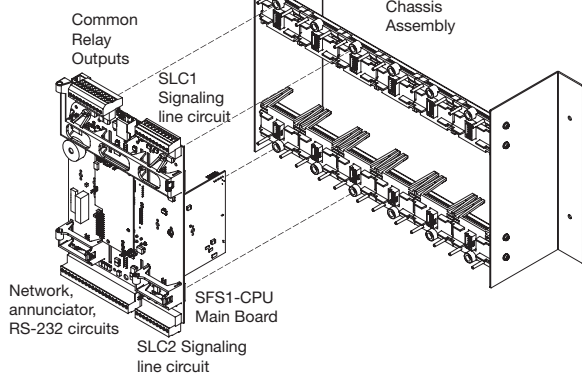
To next network node

3-ASU/3X-PMI Primary Audio Data
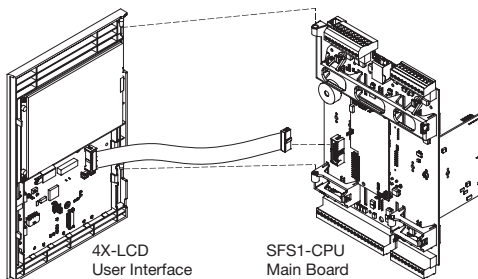
Main Component Assembly

EST3X systems are designed for quick assembly and easy access in the field. Components are modular and require no special tools to service or replace.

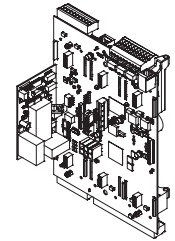The 3-SFS1 Electronics Chassis provides the mounting, internal power, and data distribution for the SFS1-CPU main board and up to three local rail modules. It installs over the PS10-4B Power Supply.

The SFS1-CPU main board mounts to the Electronics Chassis.

Common Relay Outputs

SLC1 Signaling line circuit

Chassis Assembly

Network, annunciator, RS-232 circuits

SFS1-CPU Main Board

SLC2 Signaling line circuit

PS10-4B Power supply

SFS1-CPU Main Board

Two cables connect the PS10-4B Power Supply to the back of the SFS1-CPU main board.

The 4X-LCD assembly mounts to hinge pins on the CPU and connects with a single ribbon cable.

4X-LCD User Interface

SFS1-CPU Main Board

SFS1-CPU Main Board

The SFS1-CPU main board processes all information from modules installed within the cabinet as well as data received from other panels over the network data riser. When a network card is installed, the CPU employs a command set to determine its type.

SFS1-CPU Specifications

|		
Voltage		24 VDC
Current		
	Standby	115 mA at 24 VDC
	Alarm	115 mA at 24 VDC
Relay outputs		
	Quantity	3 (alarm, supervisory, and trouble)
	UL type	Common
	Contact arrangement	Form C
	Rating	30 VDC at 1 A
AUX power outputs		
	Quantity	2
	Voltage	24 VDC, resettable or continuous
	Current	1.0 A each circuit, 1.0 A total
Data network (RS-485)		
	Nodes	2 to 64 (requires optional network card)
	Performance class	Class A or Class B
	Wire type	Twisted pair, 6 twists per foot, min.
	Circuit length	5,000 ft. (1,524 m) between any three panels
	Circuit resistance	90 Ω, max.
	Circuit capacitance	0.3 µF, max.
Serial Port (RS-232)		
	Circuit length	20 ft. (6 m) max.
	Circuit resistance	13 Ω, max.
	Circuit capacitance	0.7 µF, max.
Annunciator port (RS-485)		
	Performance class	Class B and Redundant Class B
	Baud rate	9600 and 38400
	Wire type	Twisted pair, 6 twists per foot, min.
	Circuit length	4,000 ft. (1,219 m)
	Circuit resistance	90 Ω, max.
	Circuit capacitance	0.3 µF, max.
Signaling line circuit		
	Quantity	2 (second SLC requires optional 3-SDC1 card)
	Performance class	Class A or Class B
	Circuit capacity	125 detectors, 125 single address modules
	Circuit resistance	100 Ω, max.
	Circuit capacitance	0.5 µF, max.
Wire size		18 to 12 AWG (0.75 mm² to 2.50 mm²)
Ground fault impedance		10 kΩ
Operating environment		
	Temperature	32 to 120°F (0 to 49°C)
	Relative humidity	0 to 93% noncondensing

Notes
- For battery calculations, standby and alarm currents include all listed primary power supplies.
- The common trouble relay operation does not include AC trouble delay functionality and cannot be used for reporting troubles off premises per UL 864 9th edition.

PS10-4B Power Supply Card

The PS10-4B Power Supply Card provides the required power and related supervision functions for the control panel, as well as filtered, regulated power to the rail chassis modules. It also provides 24 VDC for operating ancillary equipment.
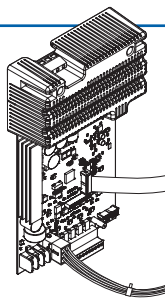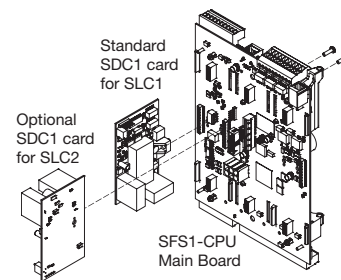
PS10-4B Specifications

Mains voltage	94 to 264 VAC, 50/60 Hz
AC Input Current	
Standby	1.5 amps
Alarm	3.0 amps
Brownout level	93 VRMS
Battery charging capacity	65 Ah max.
Total Power Supply Ratings	Voltage 24vdc Current 10 amps (UL), 9.0amps (ULC)
Notification appliance/Auxiliary power circuits	
UL rating	
Quantity	4
Circuit configuration	Class B[1]
Output voltage	Special: 24 Vdc Regulated: 24 Vdc
Output current	Special: 3 amps Regulated: 1.5 amps
EOLR	15 kΩ (UL P/N EOL-15, ULC P/N EOL-P1)
Wiring	
Mains input[2]	Supervised, non power-limited
Battery input	Supervised, non power-limited
NAC outputs	Supervised, power-limited
Wire size	18 to 12 AWG (0.75 mm² to 2.50 mm²)
Ground fault impedance	10 kΩ
Operating environment	
Temperature	32 to 120 °F (0 to 49 °C)
Relative humidity	0 to 93% noncondensing

[1] Class A when a CLA-PS10 Class A adapter card is installed.
[2] Connect the mains supply using a dedicated branch.

3-SDC1 Signature Data Circuit Card

Each 3-SDC1 Signature Data Circuit Card provides one Class A or Class B signaling line circuit (SLC1) that supports up to 125 Signature Series detectors and 125 Signature Series module addresses. These modules also provide connection for powering conventional two-wire smoke detector circuits on Signature Series modules.

EST3X comes standard with one 3-SDC1 card installed as SLC1. An optional second 3-SDC1 card may be installed to provide SLC2, thus doubling system signaling line capacity.
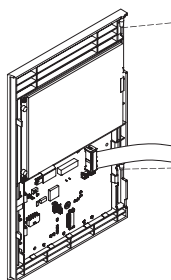
3-SDC1 Specifications

Voltage	24 VDC
Operating Current	
Standby	3-SSDC1 144 mA; 3-SDDC1 264 mA
Alarm	3-SSDC1 204 mA; 3-SDDC1 336 mA
Smoke power	19.95 VDC max.[1]
Circuit	
Configuration	Class B, Style 4, DCLB; Class A, Style 6, DCLA
Capacity	125 Signature Series detectors and 125 Signature Series modules per SLC
Resistance	100 Ω with 250 devices
Capacitance	0.5 µF max.
Wire size	12 AWG (1.5 mm²) max.
Termination	Removable plug-in terminal strips on the SFS1-CPU main board and Signature module
Operating environment	
Temperature	32 to 120 °F (0 to 49 °C)
Relative humidity	0 to 93% noncondensing

[1] For special applications, refer to EST3 ULI/ULC Compatibility Lists (P/N 3100427)

4X-LCD User Interface

Included in the EST3X basic package, the 4X-LCD provides the user interface for the EST3X system. It connects to the SFS1-CPU main board with a ribbon cable, and attaches to the CPU via hinges. Only one display module is required to provide a point of control for the entire network. Additional displays can be added to any EST3X panel in the network to provide additional points of control.
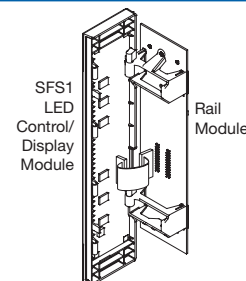
4X-LCD Specifications

Operating current	
Standby	38 mA
Alarm	50 mA
LCD display	Backlit liquid crystal display 240 x 320 pixels 24 lines of 40 characters
Operating environment	
Temperature	32 to 120 °F (0 to 49 °C)
Relative humidity	0 to 93% noncondensing

SFS1 LED Control/Display Module

The SFS1 LED Control/Display Module provides additional operator interface capability for the SFS1 system. It can be mounted on any of the three right-most local rail modules on the 3-SFS1 electronics chassis. Inserts are provided for labeling switches and LEDs.

SFS1 Specifications

Voltage	24 VDC
Operating current	
Standby	2.0 mA plus 1.5 mA for each active LED
Alarm	2.0 mA plus 1.5 mA for each active LED
Operating environment	
Temperature	32 to 120 °F (0 to 49 °C)
Relative humidity	0 to 93% noncondensing

3X-FIB8 fiber optic network module

The 3X-FIB8 fiber optic network module gives an EST3X panel the ability to network up to eight panels. Both Class A and Class B connections are supported. The module consists of the adapter card and electronics card.
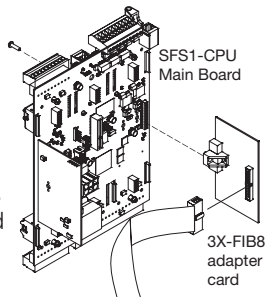
The 3-FIBMB2 supports the following fiber optic transceivers:

Model	Description
SMXLO2	Standard output single mode fiber optic transceiver
SMXHI2	High output single mode fiber optic transceiver
MMXVR	Standard output multimode fiber optic transceiver

The 3X-FIB8 provides terminals for connecting a 24 VDC backup power source to maintain data transmissions in the event the panel is powered down.

Note: All networked panels must have the 3X-FIB8 network card installed.

3X-FIB8 Specifications

Voltage		19.2 to 27.6 VDC (24 VDC nominal)
Fiber optics network and audio		
Budget		
	SMXLO2	15 dBm between two interfaces
	SMXHI2	25 dBm max. and 8 dBm min. 10 dBm between two interfaces
	MMXVR	50/125, 62.5/125, or 100/140 for MMXVR
Cable type		
Connectors		50/125, 62.5/125, or 100/140 for
SMXLO2, SMXHI2		Type Duplex SC
MMXVR		Type ST
Network data circuit		
Circuit configuration		Class B (style 4) or Class A (style 7)
Data rate		19.2 K, 38.4 kbps
Isolation		Isolated from previous panel CPU when using copper. Total isolation when using fiber optics.
Digitized audio data circuit		
Circuit configuration		Class B (style 4) or Class A (style 7)
Data rate		327 kbps
Isolation		Isolated from previous panel CPU when using copper. Total isolation when using fiber optics.
Copper wired network data circuit segment		
Circuit		
	Length	5,000 ft. (1,524 m) max. between any three panels
	Resistance	90 Ω max.
	Capacitance	0.3 µF max.[1]
	Wire type	Twisted Pair, 18 AWG (0.75 mm²) min.
Operating environment		
	Temperature	32 to 120 °F (0 to 49 °C)
	Relative humidity	0 to 93% noncondensing

[1]Include shield capacitance, if shielding is used.

3X-ETH1 Ethernet Adapter Card

The 3X-ETH1 adapter card provides a standard 10/100 Base-T Ethernet network connection for panel programming, diagnostics, and status monitoring. Four LEDs on the adapter card indicate card and network status.
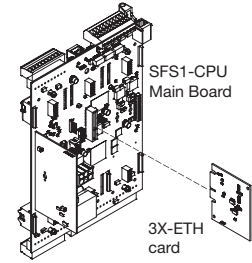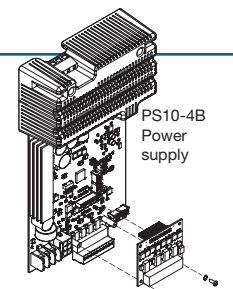
3X-ETH1 Specifications

Ethernet		10/100 Base-T
Voltage		24 VDC
Operating current		
	Standby	44 mA at 24 VDC (54 mA when connected to an active Ethernet connection)
	Alarm	44 mA at 24 VDC
Connection mode		Auto negotiation
Copper wired network data circuit segment		
Circuit		
	Length	5,000 ft. (1,524 m) max. between any three panels
	Resistance	90 Ω max.
	Capacitance	0.3 µF max.[1]
	Wire type	Twisted Pair, 18 AWG (0.75 mm²) min.
Copper wired audio data circuit		
Circuit		
	Length	5,000 ft. (1,524 m) max. between any 3 panels
	Resistance	90 Ω max.
	Capacitance	0.09 µF, max[1]
	Wire type	Twisted pair, 18 AWG (0.75 sq²) min.
Wire runs		
	Distance	200 ft. (60 m) max.[1]
	Type	Cat 5
	Connector	RJ-45
Operating environment		
	Temperature	32 to 120 °F (0 to 49 °C)
	Relative humidity	0 to 93% noncondensing

[1]Panel to communication equipment

CLA-PS10 Class A Adapter Card

The CLA-PS10 Class A Adapter Card is an optional card used to convert the four Class B notification appliance/auxiliary power circuits on the power supply card to Class A.
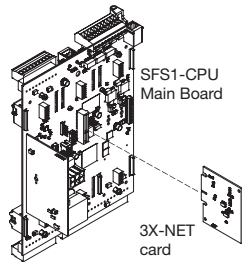
CLA-PS10 Specifications

Voltage		24 VDC
Notification appliance/Auxiliary power circuits		
	UL rating	Special application or Regulated
	Quantity	4
	Performance class	Class A
	Output current	Special 3.0 A; Regulated: 1.5 A each circuit
	EOLR	15 kΩ (UL P/N EOL-15, ULC P/N EOL-P1)
Wiring		Supervised, power-limited
Wire size		18 to 12 AWG (0.75 mm² to 2.50 mm²)
Operating environment		
	Temperature	32 to 120 °F (0 to 49 °C)
	Relative humidity	0 to 93% noncondensing

3X-NET Network Adapter Card

The 3X-NET network adapter card gives an SFS1-CPU main board the ability to network up to 64 nodes on an EST3 network. The card supports Class B and Class A wiring.

The 3X-NET adapter card provides two independent RS 485 circuits: one for network data communications and one for digital audio communications.
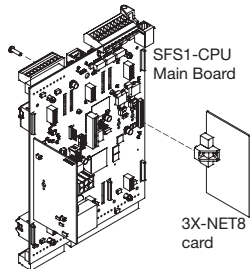
SFS1-CPU Main Board

3X-NET card

3X-NET Specifications

Voltage	24 VDC
Operating Current	
Standby	98 mA at 24 VDC
Alarm	98 mA at 24 VDC
Circuit configuration	
Network data	Class A, Style 6 & Class B, Style 4
Network audio	Class A, Style 6 & Class B, Style 4
Isolation	
Network data	Network A port not isolated; Network B port isolated
Network audio	Audio A IN and Audio B IN isolated
	Audio A OUT and Audio B OUT not isolated
Wire size	Twisted pair[1] 18 AWG (0.75 mm) min.
Circuit length	5,000 ft. (1,524 m) between any three panels
Circuit resistance	90 Ω max.
Circuit capacitance	Data: 0.3 μF max.; Audio 0.09 μF max.
Operating environment	
Temperature	32 to 120 °F (0 to 49 °C)
Relative humidity	0 to 93% noncondensing

[1] Six twists per foot minimum

3X-NET8 network card

The 3X-NET8 RS-485 network card gives an SFS1-CPU main board the ability to network through dedicated copper wire up to eight EST3X control panels. The card supports Class B and Class A wiring.

SFS1-CPU Main Board

3X-NET8 card

Note: All networked panels must have a 3X-NET8 network card installed.

3X-NET8 Specifications

Voltage	24 VDC
Operating Current	
Standby	98 mA at 24 VDC
Alarm	98 mA at 24 VDC
Circuit configuration	
Network data	Class A, Style 6 & Class B, Style 4
Isolation	
Network data	Network A port not isolated, Network B port isolated
Wire size	Twisted pair[1] 18 AWG (0.75 mm) min.
Circuit length	5,000 ft. (1,524 m) between any three panels
Circuit resistance	90 Ω max.
Circuit capacitance	0.3 μF max.
Operating environment	
Temperature	32 to 120 °F (0 to 49 °C)
Relative humidity	0 to 93% noncondensing

[1] Six twists per foot min.
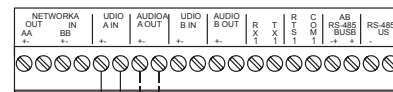
3X-PMI Paging Microphone Interface

The 3X-PMI Paging Microphone Interface provides controls for emergency voice/alarm communications. It consists of an **audio mounting bracket**, EAEC Emergency Audio Evacuation Controller card, audio enclosure, and paging microphone.
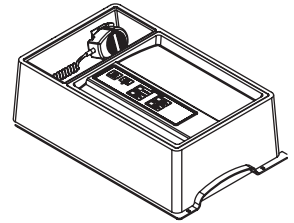
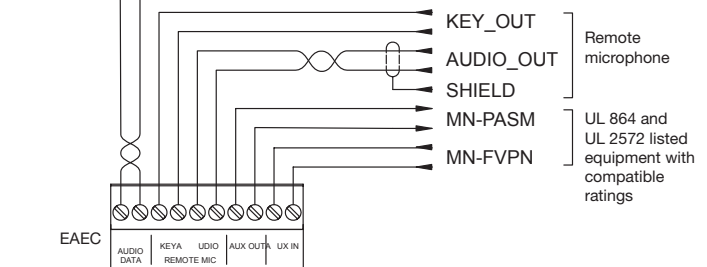### 3X-PMI Paging Microphone Interface Specifications

Voltage		
	Current	24 VDC
	Standby	15.5 mA
Alarm		16.6 mA
Ground fault impedance		10 kΩ
Wire size		18 to 12 AWG (0.75 to 2.50 mm²)
Audio channels		8 simultaneous
Audio inputs		
	Local microphone	Isolated and supervised
	Remote microphone	Isolated and supervised
	Remote audio	Isolated and supervised
EAEC communication		See the EAEC Emergency Audio Evacuation Control Installation Sheet (P/N 3101789)
Messages		
	Storage	2 min. total
	Length	39 sec. max.
Controls and indicators		
Common		
	Paging Volume	Indicates relative signal strength during active page
	Ready To Page	Flashes during preannouncement tone, steady when ready to page
Paging Microphone		
	All Call	Activates/deactivates page to all areas
	All Call Minus	Activates/deactivates page to areas not receiving EVAC or Alert message
	Page To Evac	Activates/deactivates page to areas currently receiving the EVAC message
	Page To Alert	Activates/deactivates page to areas currently receiving the Alert message
Operating environment		
Temperature		32 to 120°F (0 to 49°C)
Relative humidity		0 to 93% noncondensing

DATA SHEET **85005-0133**
Not to be used for installation purposes. **Issue 1.1**

Related Data Sheets

85010-0129 -- Signature Driver Controller Modules
85010-0057 -- EST3 Zoned Audio Amplifiers
85010-0107 -- EST3 Modem Communicator
85010-0131 -- Fiber Optic Communications Interface
85010-0113 -- Network Short Haul Modem
85005-0128 -- R-Series Remote Annunciators

Ordering Information

Intelligent Analog Control Panels

Model	Door Color	Language	Description
3X-SFS1B	Bronze	English	FACP, complete system with user interface, CPU, one loop with second loop expansion, three option card slots, four Class B NAC, universal 110/220v 10 amp power supply. Order 3-SDC1 for second loop.
3X-SFS1R	Red		
3X-SFS1Bi	Bronze	Selectable	
3X-SFS1Ri	Red		

Network communication option cards

3X-NET8	RS485, eight node max. Class B wiring. Use on 3-SFS systems only.
3X-FIB8	Fiber, 8 node max. Uses MMXVR, SMXHI2, SMXLO2. Use on 3-SFS systems only.
3X-NET	RS485, Class B wiring. For connection to EST3 systems.
3-FIBMB2	Fiber Optic Communications Interface (requires one or more transceivers).

Communication Options

3X-ETH1	Ethernet Adapter, 10/100. Provides Ethernet connection from system to 3-SDU for programming and diagnostics remotely. Uses standard Ethernet cable (not supplied).

Front Panel LED/Switch display modules

4X-12/S1GY	LED Display/Control Module - 12 Switches, 1 Green, 1 YELLOW LED per switch.
4X-12/S1RY	LED Display/Control Module - 12 Switches, 1 RED, 1 YELLOW LED per switch.
4X-12SR	LED Display/Control Module - 12 Switches with 12 RED LEDs.
4X-24R	LED Display Module - 24 RED.
4X-6/3S1G2Y	LED/Switch Module - six groups of three Switches with one LED each.
4X-6/3S1GYR	LED/Switch Module - six groups of three Switches with one LED each.
4X-4/3SGYWR	LED/Switch Module, four groups of three switches and four LEDs. LED colors: Green, Red, Yellow and White.

Option Cards and Interfaces

3X-PMI	Paging Microphone Interface
3-SSDC1	Single Signature Driver Controller, c/w one 3-SDC1
3-SDDC1	Dual Signature Driver Controller, c/w two 3-SDC1s
3-ZA20A	20 Watt Zoned Amplifier w/Class A/B Audio & Class A/B 24 VDC outputs
3-ZA20B	20 Watt Zoned Amplifier w/Class B Audio & Class B 24 VDC outputs
3-ZA40A	40 Watt Zoned Amplifier w/Class A/B Audio & Class A/B 24 VDC outputs
3-ZA40B	40 Watt Zoned Amplifier w/Class B Audio & Class B 24 VDC outputs
3-MODCOM	Modem/Dialer (DACT)
3-MODCOMP	Modem/Dialer (DACT) w/TAP Pager Protocol
3-AADC1	Addressable Analog Module
3-IDC8/4	Initiating Device Circuit Module
3-OPS	Off Premises Signaling module
CDR-3	PSNI Coder Module

Accessories

CLA-PS10	Class A Adapter, PS10 NAC's
PS10-4B	Power Supply, Replacement
SFS1-ELEC	Base Electronics, replacement
4X-LCD	Main user interface assembly, monochrome. Eight line 1/4 VGA LCD, four controls plus rotary knob. English language.
4X-LCD-LC	Main user interface assembly, monochrome. Eight Line 1/4 VGA LCD, four controls plus Rotary knob. Insertable language, shipped with English inserts. Order alternate languages separately.
4X-CAB6D	Replacement door, gray
4X-CAB6DR	Replacement door, red
4X-CAB6B	Backbox, black
TRIM6	Flush trim ring

DATA SHEET **85005-0133**
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