

FCP-2100ECS / FCP-2100EC SHV Fire Alarm Emergency Communication System

The FCP-2100ECS is an Intelligent Fire Alarm Control Panel (FACP) combined with an Emergency Communication System (ECS).

When the ECS features are enabled, they are integrated with the control panel's fire alarm and voice evacuation functions. The FCP-2100ECS panel and accessories provide features to meet Mass Notification Systems' requirements as described in UL 2572.

This state-of-the-art fire alarm control panel contains one built-in signaling line circuit (SLC), which can support 159 FIK sensors and 159 FIK modules per loop. Additional SLC loops can be added using the FIK-6815 SLC expander for FIK devices to increase the overall point capacity to a maximum of 2100 points per panel.

The FCP-2100ECS has the interconnection capability for up to 32 panels. The system has two modes of operation, multiple panels covering one larger building or multiple independent buildings. A separate network can be used for voice paging across all panels.

The FCP-2100ECS supports a variety of devices, including FIK-RA2000, FIK-RA1000 or FIK-RA100 remote annunciator, FIK-5824 serial-parallel printer interface module (for printing system reports), FIK-RPS1000 power module, and FIK (device protocol) devices.



FEATURES

- Single enclosure for both Fire and Emergency Control System components
- Can select ECS message as a priority over fire
- Network support for up to 32 panels
- Built-in support for up to 159 FIK detectors and 159 FIK modules
- Four line LCD with 40 characters per line
- Separate network support for voice paging
- Built-in USB interface for programming
- Built-in dual phone line, digital alarm communication/transmitter (DACT), IP or optional cellular technologies
- JumpStart AutoProgramming feature
- Capable of producing 520 Hz tones to meet NFPA 72 requirements
- 15 recordable one-minute messages that can be mapped to eight ECS buttons
- Field upgradeable firmware
- Support up to four FIK-W-WGI wireless gateways. Each gateway can have up to 49 wireless devices
- Supports up to sixteen SBUS addressable amplifiers
- Supports up to 15 ECS-LOC's
- On-board supervised microphone
- Up to 64 ECS control keys

AGENCY LISTINGS AND APPROVALS

NFPA 13, NFPA 15, NFPA 16, NFPA 70, & NFPA 72: Central Station; Remote Signaling; Local Protective Signaling Systems; Auxiliary Protected Premises Unit; & Water Deluge Releasing Service.

- UL Listed
- Factory Mutual Approved
- CSFM

For exact certification listings, please reference the respective agency website.

COMPATIBILITY

The FCP-2100ECS is compatible with the following ECS components:

- FIK-50W, FIK-125W, FIK-INT50W, or FIK-DUAL50W amplifiers
- FIK-RVM: Remote voice module
- FIK-SW24: 24 switch expander (max 2)
- FIK-NVCM: Network Voice Control Module (included)
- FIK-LOC: Local Operating Console
- FIK-LOC2100: Local Operating Console
- FIK-RPU: Remote Paging Unit

SPECIFICATIONS

Physical		
Backbox Dimensions (HxWxD):	26.5" x 20.0" x 4.125" (67.31 cm x 50.80 cm x 10.48 cm)	
Overall Dimensions (HxWxD):	28.125" x 21.625" x 5.00" (71.44 cm x 54.93 cm x 12.70 cm)	
Shipping Weight:	53 lbs. (24 kg)	
Color:	Red	
Mounting:	Surface or Flush-mount	
Environmental		
Operating Temperature:	32°F to 120°F (0°C to 49°C)	
Humidity:	0 to 93% relative humidity (non-condensing)	
Electrical		
Primary AC:	FCP-2100ECS	120 VAC @ 60 Hz, 2.5A
	FCP-2100ECSHV	Total Accessory Load: 9A @ 27.4 VDC, power-limited
Standby/Alarm Current:	230mA/415mA	
Battery Charging Capacity:	17 to 55AH	
Battery Size:	18AH max. allowed in the control panel cabinet. Larger capacity batteries can be housed in the RBB accessory cabinet.	
Compatible Devices:	FIK IDP Addressable SLC devices Swift® wireless SLC devices	
Flexput Circuits (eight circuits that can be programmed individually as either of the following)		
Notification Circuit:	3A per circuit @ 27.4VDC, power-limited	
Auxiliary Power Circuit:	3A per circuit @ 27.4VDC, power-limited	
Initiation Circuit:	100mA per circuit @ 27.4VDC, power-limited	

ORDERING INFORMATION

Part Number	Description
FIK-2100ECS	Emergency Communication System with FACP, 120V
FIK-2100ECSHV	Emergency Communication System with FACP, 240V
ECS Accessories	
FIK-50W	50 Watt Amplifier
FIK-125W	125 Watt Amplifier
FIK-DUAL50W	50 Watt Dual Amplifier
FIK-INT50W	50 Watt Internal Amplifier
FIK-50WBU	External Backup Amplifier
FIK-CE4	Provides four additional audio circuits
FIK-RVM	Remote Voice Module
FIK-SW24	24 Switch Expander
FIK-NVCM	Network Voice Control Module
FIK-LOC	Local Operator Console
SBUS Accessories	
FIK-RA2000, FIK-RA1000R, FIK-RA100	Remote Annunciators
FIK-6815	Signal Line Circuit (SLC) Expander for FIK devices
FIK-RPS1000	Power Supply
FIK-5496	NAC Expander
FIK-5824	Serial/Parallel Module
FIK-5880	LED I/O Module
FIK-5865-3 or FIK-5865-4	LED Annunciator
FIK-5883	Relay Interface
Miscellaneous Accessories	
HFSS	Software Suite
RBB	Remote Battery Box Cabinet. Use for backup batteries up to 35AH
SK-SCK	Seismic Compliance Kit
FIK-NIC	Network Interface Card
FIK-NIC-KIT	Installation Accessory Kit
FIK-FML	Fiber-Optic Multi-Mode, transmitter and receiver
FIK-FSL	Fiber-Optic Single Mode