FCP-300ECS Fire Alarm Emergency Communication System

The FCP-300ECS 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-300ECS 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 300 points per panel.

The FCP-300ECS 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-300ECS 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
- Built-in support for up to 159 FIK detectors and 159 FIK modules
- Four line LCD with 40 characters per line
- On-board supervised microphone
- 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
- Supports up to four FIK-W-WGI wireless gateways. Each gateway can have up to 49 wireless devices
- Supports up to eight SBUS addressable amplifiers
- Supports up to seven ECS-LOC's
- Network support for up to 32 panels

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-300ECS 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)

SPECIFICATIONS

Physical	
Backbox Dimensions (HxWxD):	26.5" x 20.0" x 4.125" (67.31 cm x 50.00 cm x 10.48 cm)
Overall Dimensions (HxWxD):	28.125" x 21.625" x 5.06" (71.44 cm x 54.93 cm x 12.85 cm)
Shipping Weight:	49 lbs. (22.2 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:	120 VAC @ 60 Hz, 3.6A Total Accessory Load: 6A @ 24 VDC, power-limited
Standby/Alarm Current:	190mA / 250mA
Battery Charging Capacity	17 to 55AH
Battery Size:	18AH max. allowed in the control panel cabinet. Larger batteries can be housed in the RBB accessory cabinet
Compatible Devices:	FIK IDP Addressable SLC devices Swift® wireless SLC devices

ORDERING INFORMATION

Part Number	Description
FCP-300ECS	Emergency Communication System with Fire Alarm Control Panel
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-RA100; FIK-RA1000R; FIK-RA2000	Remote Annunciators
FIK-6815	Signaling Line Circuit (SLC) Expander
FIK-RPS1000	Remote Power Supply, 120V
FIK-RPS1000HV	Remote Power Supply, 220V
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 35 AH)
SK-SCK	Seismic Compliance Kit
FIK-NIC	Network Interface Card
FIK-FML	Multi-Mode Fiber Card
FIK-FSL	Single Mode Fiber Card