

Scalable Analog/Addressable Fire Alarm Control System

IFP-2100ECS / IFP-2100ECSB

The IFP-2100ECS (red) and IFP-2100ECSB (black) are intelligent analog/addressable Fire Alarm Control Panels combined with an Emergency Communication System (ECS). When the ECS features are enabled, they are integrated with the fire alarm and voice evacuation functions of the control panel. The IFP-2100ECS panel and accessories provide features to meet the requirements for Mass Notification Systems as described in UL 2572.

This state of the art fire alarm control panel allows you to choose one of three SLC protocols per system. The IFP-2100ECS panel contains one built in signaling line circuit (SLC), which can support 159 IDP/SK sensors and 159 IDP/SK modules or 127 SD devices per loop. Additional SLC loops can be added using the model 6815 SLC expander for System Sensor devices or model 5815XL for Hochiki devices to increase the overall point capacity to a maximum of 2100 points per panel.

IFP-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 IFP-2100ECS supports a variety of devices, including RA-2000, RA-1000 or RA-100 remote annunciator, 5824 serial/parallel printer interface module (for printing system reports), RPS-1000 power module, and IDP, SK or SD devices.



IFP-2100ECSB

Compatibility

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

- ECS-50W, ECS-125W, ECS-INT50W or ECS-DUAL50W Amplifier
- ECS-RVM - Remote voice module
- ECS-SW24 - 24 switch expander (max 2)
- ECS-NVCM - Network Voice Control Module (included)

FEATURES & BENEFITS

- Single enclosure for both Fire and Emergency Control System components
- Can select ECS message as priority over fire
- Network support for up to 32 Sites
- Built-in support for up to 159 IDP/SK detectors and 159 IDP/SK modules or 127 SD SLC devices
- Four line LCD display with 40 characters per line
- Available in a red or black cabinet
- Separate network support for voice paging
- Built-in USB interface for programming
- Four programmable function keys
- Built-in dual phone line, digital alarm communicator/transmitter (DACT), IP or optional cellular technologies
- JumpStart AutoProgramming® feature for easy programming
- Capable of producing 520 Hz tones to meet NFPA 72 requirements
- 15 Recordable one minute messages that can be mapped to eight ECS buttons
- Firmware can be upgraded in the field
- Supports up to four SWIFT wireless gateways. Each gateway can have up to 49 wireless devices
- Support for up to 16 SBUS addressable amplifiers using a combination of ECS-50W, ECS-125W, ECS-INT50W or ECS-DUAL50W for a maximum of 2000 watts per system and up to 128 mappable speaker circuits
- On-board supervised microphone

IFP-2100ECS Technical Specifications

SPECIFICATIONS

Physical:

Overall Dimensions: 21.59" W x 28.10" H x 5.05" D

Weight: 55 lbs.

Color: Red or Black

Environmental Operating Temperature: 32°F to 120°F (0°C to 49°C)

Humidity: 0 to 93% relative humidity (non-condensing)

ELECTRICAL:

IFP-2100ECS Primary AC: 120 VAC @ 60 Hz, 2.5A
Total Accessory Load: 9A @ 27.4 VDC power-limited

Standby Current: 230 mA

Alarm Current: 415 mA

Battery Charging Capacity: 7 to 55 AH

Battery Size: 18 AH max. allowed in control panel cabinet. Larger capacity batteries can be housed in RBB accessory cabinet.

Six Conductor Wiring: Two voice bus & four SBUS

FLEXPUT CIRCUITS

Eight circuits that can be programmed individually as:

Notification Circuits: 3A per circuit @ 27.4 VDC, power limited

Auxiliary Power Circuits: 3A per circuit @ 27.4 VDC, power limited.

Initiation Circuit: 100 mA per circuit @ 27.4 VDC, power-limited

APPROVALS

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

Other Approvals:

UL Listing; CSFM (pending); COA (pending); OSHPD (CA) (pending), FM (pending)

COMPATIBLE DEVICES

See the data sheets listed below for a complete listing of the IDP, SK, SWIFT or SD devices.

350361 - IDP Device Protocol data sheet

53623 - SK Device Protocol data sheet

350360 - SD Device Protocol data sheet

350615 & 350617 - SWIFT devices data sheet

For more information

www.farenhyt.com

Honeywell

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ORDERING INFORMATION

IFP-2100ECS - Emergency Communication System with FACP. Red

IFP-2100ECSB - Emergency Communication System with FACP. Black

ECS ACCESSORIES

ECS-50W - 50 Watt Amplifier

ECS-125W - 125 Watt Amplifier

ECS-DUAL50W - 50 Watt Dual Amplifier

ECS-DUAL50WB - 50 Watt Dual Amplifier, Black

ECS-50WB - 50 Watt Amplifier, Black

ECS-125WB - 125 Watt Amplifier, Black

ECS-INT50W - 50 /Watt Internal Amplifier

ECS-50WBU - External Backup Amplifier

ECS-CE4 - Provides 4 additional audio circuits

ECS-RVM - Remote voice module

ECS-SW24 - 24 Switch Expander

ECS-NVCM - Network Voice Control Module

ECS-LOC - Local Operator Console

SBUS ACCESSORIES

RA-2000, RA-1000, RA-1000R, RA-100, RA-2000GRAY - Remote annunciator. Four Line LCD with 40 characters per line

6815 - Signal Line Circuit (SLC) Expander for IDP/SK devices

5815XL - Signal Line Circuit (SLC) Expander for SD devices

RPS-1000 - Power Supply

5496 - NAC Expander

5824 - Serial/Parallel Module

5880 - LED I/O Module

5865-3/-4 - LED Annunciator

5883 - Relay Interface

MISCELLANEOUS ACCESSORIES

SKSS-3 - Software Suite. Provides programming, upload/download and event reporting

RBB - Remote Battery Box Cabinet. Use for backup batteries up to 35 AH.

Dim: 16" W x 10" H x 6" D

SK-SCK - Seismic Compliance Kit

SK-NIC - Network Interface Card

SK-FML - Multi Mode Fiber Card

SK-FSL - Single Mode Fiber Card

CELL-MOD - Cellular Communicator in Plastic Enclosure

CELL-CAB-SK - Cellular Communicator in Metal Enclosure with lock and key

For a complete listing of all compliance approvals and certifications, please visit www.farenhyt.com.

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For Technical Support, Please call 800-446-6444.