

# IFP-2100ECS / IFP-2100ECSB

## Scalable Analog/Addressable Fire Alarm Control System

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 System Sensor® IDP/SK sensors and 159 IDP/SK modules or 127 Hochiki® SD devices per loop. Additional SLC loops can be added using the model 6815 SLC expander for IDP/SK devices or model 5815XL for SD 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)
- ECS-LOC: Local Operator Console
- ECS-LOC2100: Local Operator Console
- ECS-LOC2100B: Local Operator Console. Black
- ECS-RPU: Remote Paging Unit

## FEATURES & BENEFITS

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| <ul style="list-style-type: none"> <li>• Single enclosure for both Fire and Emergency Control System components</li> <li>• Can select ECS message as priority over fire</li> <li>• Network support for up to 32 Sites</li> <li>• Built-in support for up to 159 IDP/SK detectors and 159 IDP/SK modules or 127 SD SLC devices</li> </ul> | <ul style="list-style-type: none"> <li>• Four line LCD display with 40 characters per line</li> <li>• Available in a red or black cabinet</li> <li>• Separate network support for voice paging</li> <li>• Built-in USB interface for programming</li> <li>• Four programmable function keys</li> </ul> | <ul style="list-style-type: none"> <li>• Built-in dual phone line, digital alarm communicator/transmitter (DACT), IP or optional cellular technologies</li> <li>• JumpStart AutoProgramming® feature for easy programming</li> <li>• Capable of producing 520 Hz tones to meet NFPA 72 requirements</li> </ul> | <ul style="list-style-type: none"> <li>• 15 Recordable one minute messages that can be mapped to eight ECS buttons</li> <li>• Firmware can be upgraded in the field</li> <li>• Supports up to four SWIFT wireless gateways. Each gateway can have up to 49 wireless devices</li> </ul> | <ul style="list-style-type: none"> <li>• 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</li> <li>• On-board supervised microphone</li> </ul> |
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# IFP-2100ECS Technical Specifications

## PHYSICAL

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

**Shipping Weight:** 53 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 AC:** 120V @ 50/60Hz, 4.5A total accessory load; 9A @ 27.4VDC power-limited

**IFP-2100ECSHV AC:** 240V @ 50/60Hz, 2.8A Total Accessory Load

**Standby Current:** 230mA

**Alarm Current:** 415mA

**Battery Charging Capacity:** 7 to 55AH

**Battery Size:** 18AH 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 @ 27.4VDC, power limited

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

**Initiation Circuit:** 100mA per circuit @ 27.4VDC, 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

**UL Listing; CSFM 7165-0559:0505; FDNY COA# 6251; Seismic (CA) (pending), FM approved**

## 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

## ORDERING INFORMATION

### For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting [www.farenhyt.com](http://www.farenhyt.com)

### Honeywell Farenhyt

12 Clintonville Road  
Northford, CT 06472  
800-328-0103

**IFP-2100ECS:** Emergency Communication System with FACP. Red Cabinet.

**IFP-2100ECSB:** Emergency Communication System with FACP. Black Cabinet.

**IFP-2100ECSHV:** High Voltage (240V) Emergency Communication System with FACP. Red Cabinet.

**IFP-2100ECSHVB:** High Voltage (240V) Emergency Communication System with FACP. Black Cabinet

## 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

**ECS-LOC2100:** Local Operators Console, Red

**ECS-LOC2100B:** Local Operator Console, Black

**ECS-RPU:** Remote Paging Unit. Red

## SBUS ACCESSORIES

**RA-2000, RA-1000, RA-1000R, RA-100,**

**RA-2000GRAY:** Remote annunciators

**6815:** Signal Line Circuit (SLC) Expander for IDP or SK devices

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

**RPS-1000/B:** Power Supply. Red or Black

**5496:** NAC Expander

**5824:** Serial/Parallel Module

**5880:** LED I/O Module

**5865-3 or 5865-4:** LED Annunciator

**5883:** Relay Interface

## MISCELLANEOUS ACCESSORIES

**HFSS:** Software Suite. Provides programming, upload/download and event reporting

**RBB:** Remote Battery Box Cabinet. Use for backup batteries up to 35 AH. Dimensions: 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](http://www.farenhyt.com).

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For Technical Support, call 800-446-6444.