

Farenhyt



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by Honeywell

Emergency Communication System

Emergency Communication System with Fire Alarm Control Panel

IFP-1000ECS

The IFP-1000ECS is an intelligent analog/addressable fire alarm control panel 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-1000ECS panel and accessories provide features to meet the requirements for Mass Notification Systems as described in UL 2572.

The IFP-1000ECS has six on-board Flexput™ circuits that can be configured for auxiliary power, notification outputs, or conventional input devices / smoke detectors. (Class A or Class B). The FACP also has a built-in, dual-line digital fire communicator, Form C trouble relay, and two programmable Form C relays. The firmware has powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert.

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

The IFP-1000ECS system is scalable from 50 to 1000 watts using a distributed amplification scheme to provide the power to the appropriate areas for evacuation coverage.

Features

- 15 Recordable one minute messages that can be mapped to eight ECS buttons.
- Can select ECS message as priority over fire.
- Support of up to seven ECS-RCU's. The ECS-RCU meets the requirements for a LOC.
- Programmable trigger inputs from an external source, such as a Monaco system, to either the VCM, RVM or 5880. Up to eight inputs available on the 5880 module.
- Built-in support for up to 127 SD devices or 99 IDP detectors and 99 IDP modules, expandable to 1016 SD devices or 792 IDP detectors and 792 IDP modules.
- All the features of the IFP-1000 Fire Alarm Control Panel combined with an emergency communication system.
- Support for up to eight ECS-50W's, ECS-125W's, or ECS-DUAL50W's (SBUS addressable amplifiers) for a maximum of 1000 watts per system.
- Single enclosure for both fire and emergency control system components.
- Up to 64 mappable speaker circuits using a combination of ECS-50W / 125W's and ECS-CE4's mappable to 40 buttons controlling selected output groups.
- On-board supervised microphone.
- UL listed for 520Hz signaling when used with ECS-DUAL50W and compatible speakers.

Agency Listings



City of
New York



IFP-1000ECS

- Supports 25 Vrms or 70.7 Vrms speaker circuits using ECS-50W's.
- Built-in RS-232 and USB interface for programming.
- All Call and Non-Active Call buttons to quickly select all active or all the non-active output groups.

Installation

The IFP-1000ECS can be surface or flush mounted.

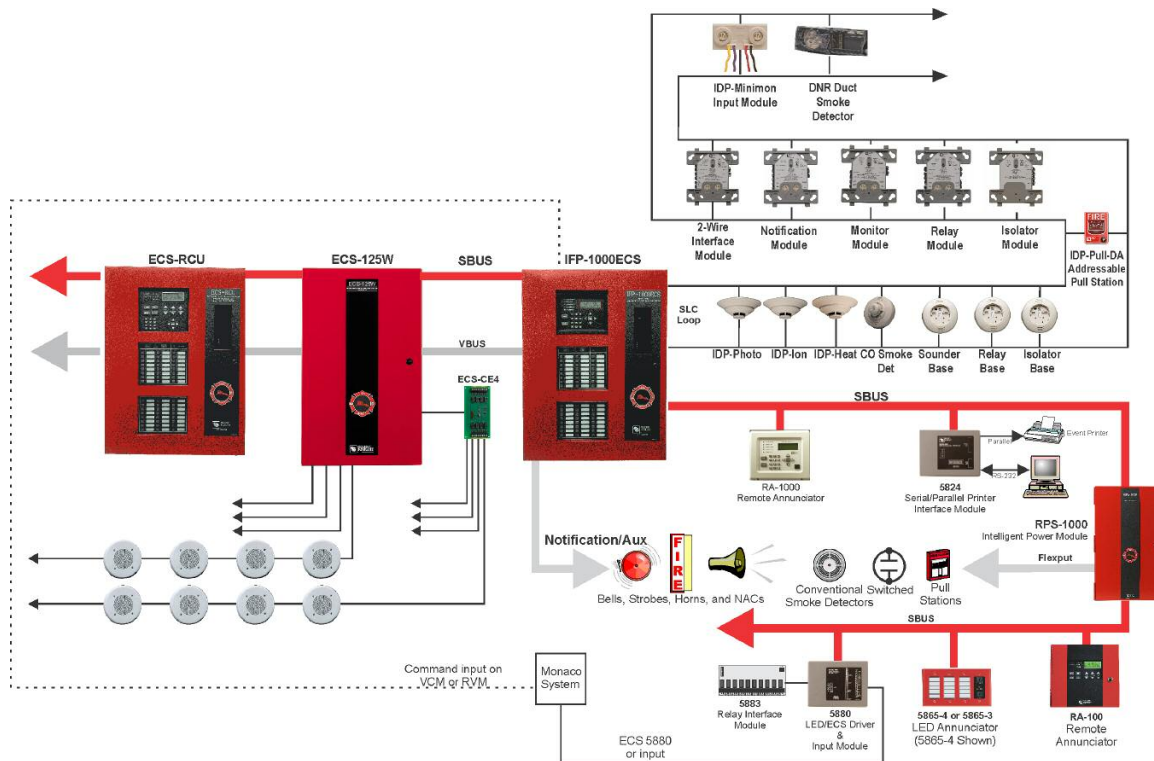
Compatibility

The IFP-1000ECS is compatible with the following ECS components:

- ECS-50W or VIP-50 - 50 watt amplifier
- ECS-125W or VIP-125 - 125 watt amplifier
- ECS-DUAL50W - 50/100 watt amplifier
- ECS-RVM - Remote voice module
- ECS-SW24 - 24 switch expander
- ECS-VCM - Voice Control Module

P/N 351552 Rev D

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Specifications

Physical

Flush Mount Dimensions:
20.25"W x 26.75"H x 2.5"- 3"D
(51.4 W x 68 H x 6.4-7.6 D cm)

Overall Dimensions:
20"W x 26.5"H x 4.6"D
(50.75 W x 67.3 H x 11.8 D cm)

Color: Red

Environmental

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

Humidity: 10% – 93% non-condensing

Electrical

IFP-1000ECS Primary AC: 120 VAC @ 60 Hz, 2.5A

IFP-1000ECSHV Primary AC: 240 VAC @ 50 Hz, 1.25A

Total Accessory Load: 6A @ 27.4 VDC power-limited

Standby Current: 275 mA

Alarm Current: 440 mA

Battery Charging Capacity: 7 to 35 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

Six 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

Compatible Devices

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

350361

IDP Device Protocol data sheet

350360

SD Device Protocol data sheet

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; COA; OSHPD (CA) OSP-0065-10

Ordering Information

IFP-1000ECS - FACP with Emergency Communication System

ECS Accessories

ECS-50W or VIP-50

50 Watt Amplifier

ECS-125W or VIP-125

125 Watt Amplifier

ECS-DUAL50W

50/100 Watt Amplifier

ECS-RVM

Remote voice module

ECS-CE4

4 Circuit Audio Expander

ECS-SW24

24 Switch Expander

ECS-VCM

Voice Control Module

VIP-TR

Panel Trim Ring to flush mount

SK-SCK

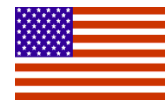
Seismic Compliance Kit



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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. For Technical support, Please call 800-446-6444. www.farenhyt.com



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