IFP-2000ECS

Emergency Communication System with Fire Alarm Control Panel

The IFP-2000ECS 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-2000ECS panel and accessories provide features to meet the requirements for Mass Notification Systems as described in UL 2572.
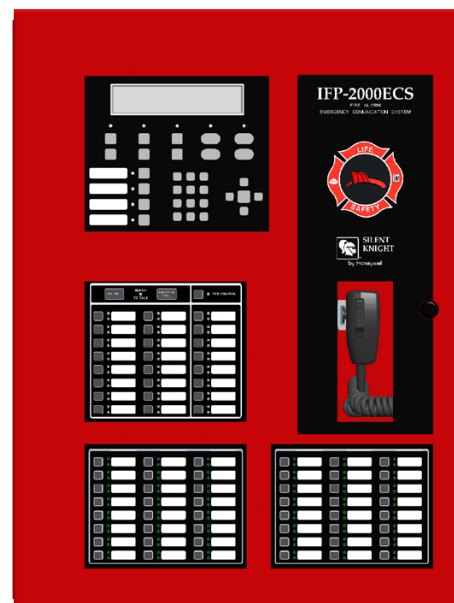
The basic IFP-2000 panel contains one built in signaling line circuit (SLC), which can support 159 IDP sensors and 159 IDP modules or 127 SD devices per loop. Additional SLC loops can be added using the model 5815XL SLC expander to increase the overall point capacity to a maximum of 636 points per panel.

IFP-2000 has the interconnection capability for up to 16 panels. The system has two modes of operation, Multiple panels covering one larger building, or multiple independent buildings.

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

INSTALLATION

The IFP-2000ECS can be surface or flush mounted.

IFP-2000ECS

COMPATIBILITY

The IFP-2000ECS is compatible with the following ECS components:

- ECS-50W, ECS-125W or ECS-DUAL-50W Amplifier

- ECS-RVM: Remote voice module

- ECS-SW24: 24 switch expander (max 2)

- ECS-VCM: Voice Control Module (included)

FEATURES & BENEFITS

- Can select ECS message as priority over fire

- Support of up to 15 ECS-RCU2000's. The ECS-RCU2000 meets the requirements for an LOC

- Built-in support for up to 159 IDP detectors and 159 IDP modules or 127 SD SLC devices

- 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.

- 15 Recordable one minute messages that can be mapped to eight ECS buttons

- On-board supervised microphone

- A network setup can contain up to 16 IFP-2000/ECS panels connected within a networked system providing a maximum point capacity of 10,176

- All the features of the IFP-2000 Fire Alarm Control Panel combined with an Emergency Communication System

- Support for up to 16 SBUS addressable amplifiers using a combination of ECS-50W, ECS-125W or ECS-DUAL50W for a maximum of 2000 watts per system and up to 128 mappable speaker circuits to 64 audio switches. (Amplifiers sold separately)

- Capable of producing 520 Hz tones to meet NFPA 72 requirements

- Support for dual channel and backup audio using the ECS-DUAL50W amplifier

- Single enclosure for both fire and emergency control system components

- Supports 25 Vrms or 70.7 Vrms speaker circuits using ECS-50W's and ECSDUAL50W

IFP-2000ECS Technical Specifications

PHYSICAL
Overall Dimensions: 20.362" W x 27" H x 5.054" D
Color: Red

ENVIRONMENTAL
Operating Temperature: 32°F – 120°F (0°C – 49°C)
Humidity: 10% – 93% non-condensing
Electrical
IFP-2000ECS Primary AC: 120 VAC @ 60 Hz, 2.5A
IFP-2000ECSHV Primary AC: 240 VAC @ 50 Hz, 1.25A
Total Accessory Load: 9A @ 27.4 VDC power-limited
Standby Current: 290 mA
Alarm Current: 570 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, powerlimited.
Initiation Circuit: 100 mA per circuit @ 27.4 VDC, power-limited

AGENCY LISTINGS AND 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; COA; OSHPD (CA) OSP-0065-10

ORDERING INFORMATION
IFP-2000ECS: Emergency Communication System with FACP. Red Cabinet.
IFP-2000ECSHV: High Voltage (240V) Emergency Communication System with FACP. Red Cabinet.

ECS ACCESSORIES
ECS-50W: 50 Watt Amplifier
ECS-125W: 125 Watt Amplifier
ECS-DUAL50W: 50 Watt Dual Amplifier
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-VCM: Voice Control Module
ECS-RPU: Remote Paging Unit. Red

SBUS ACCESSORIES
RA-2000, RA-2000GRAY: Remote annunciators
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 or 5865-4: LED Annunciator
5883: Relay Interface

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

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

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For Technical Support, call 800-446-6444.

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