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Farenhyt™ Series

IFP-300ECS / IFP-300ECSB

Intelligent Fire Alarm Control Panel with Emergency Communication System

The IFP-300ECS (red) and IFP-300ECSB (black) are Intelligent analog/addressable fire alarm control panels (FACP) combined with an Emergency Communication System (ECS) and are direct replacements for the IFP-100ECS FACP. When the ECS features are enabled, they are integrated with the fire alarm and voice evacuation functions of the control panel. The IFP-300ECS 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-300ECS 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 (SD) Hochiki® devices per loop. Additional SLC loops can be added using the model 6815 SLC expander for IDP/SK devices to increase the overall point capacity to a maximum of 300 points per panel, or model 5815XL SLC Expander for SD devices to increase the overall point capacity to a maximum of 254 points per panel.

The IFP-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 IFP-300ECS 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-300ECSB

Compatibility

The IFP-300ECS 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
- Supports 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
- Onboard supervised microphone
- Available in a red or black cabinet
- Separate network support for voice paging
- Built-in USB interface for programming
- Built-in dual phone line, digital alarm communicator/transmitter (DACT) with IP and optional cellular technologies
- JumpStart® auto programming 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 eight SBUS addressable amplifiers using a combination of ECS-50W, ECS-125W, ECS-INT50W or ECS-DUAL50W for a maximum of 1000 watts per system
- Supports up to seven ECS-LOCs
- Network support for up to 32 Sites

IFP-300ECS Technical Specifications

PHYSICAL
Overall Dimensions: 21.59"W x 28.10"H x 5.05"D
Shipping Weight: 49 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-300ECS Primary AC: 120 VAC @ 60 Hz, 3.6A
Total Accessory Load: 6A @ 24 VDC power-limited
Standby Current: 190 mA
Alarm Current: 250mA
Battery Charging Capacity: 17 to 55AH
Battery Size: 18AH max. allowed in control panel cabinet. Larger capacity batteries can be housed in RBB accessory cabinet.

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 Listed: S2766
CSFM: 7165-0559:0504
FDNY: COA# 6245
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
IFP-300ECS: Emergency Communication System with FACP. Red Cabinet.
IFP-300ECSB: 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

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: Power Supply
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 35AH. Dimensions: 16"W x 10"H x 6"D
SK-SCK: Seismic Compliance Kit
SK-NIC: Network Interface Card
SK-NIC-KIT: Installation Accessory Kit
SK-FML: Fiber-Optic Multi Mode, transmitter and receiver
SK-FSL: Fiber-Optic Single Mode
CELL-MOD: Cellular Communicator in Plastic Enclosure
CELL-CAB-SK: Cellular Communicator in Metal Enclosure with lock and key

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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 Technical Support, Please call 800-446-6444.

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