

# Fire Solutions

## Brochure

 **Fire-Lite Alarms**  
by Honeywell



[www.firelite.com](http://www.firelite.com)

Fire-Lite® Alarms has a legacy of simple, reliable life-safety systems. By designing advanced technology that's also easy to use, Fire-Lite makes protecting what matters most easy – year after year. In a world where anything can change in an instant, you can count on the consistency of Fire-Lite.

## **Fire-Lite Means Business.**



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## Addressable Fire Alarm Control Panels

Fire-Lite Alarm's innovative, addressable control panels offer a wide range of capabilities to provide superior value and flexibility. They are easy to install and program with notification appliance circuit (NAC) synchronization and enable emergency personnel to quickly locate a fire. The built-in LiteSpeed™ protocol ensures the fastest possible device response times to help reduce property damage and save lives.



### Endurance Series ES-50X and ES-200X

- Single SLC that provides support for 50 (ES-50X) or 198 (ES-200X) addressable devices.
- Upload/download panel programming database and flash firmware with USB thumb drive.
- Support for addressable multi-criteria fire and CO detector.
- 4 programmable function keys to save time.
- Built-in Class-A capability for all 4 NACs; no optional card required.
- Trouble indication for SLC devices not programmed.
- Integrated SWIFT display driver and annunciator built-in to panel.
- Notification appliance circuits have built-in sync for the industry's leading manufacturers including System Sensor®, Wheelock®, and Gentex®.

### MS-9600LS and MS-9600UDLS

- Up to 159 detectors and 159 control/monitor modules. (total of 318 devices) per SLC (636 with SLC-2LS option card).
- LiteSpeed protocol for SLC communication polls 10 devices at a time and operates on standard, unshielded wire.
- Auto-programmable function reduces installation time.
- Advanced fire technology includes sensitivity testing and automatic drift compensation.
- 4 programmable Class B and 2 Class A NACs.

## Addressable Fire Alarm Control Panels with Built-in Cellular Communicator



### Endurance Series ES-50XP and ES-200XP

Smarter safety doesn't have to be complicated. Fire-Lite's legacy of simple and reliable performance continues with the Fire-Lite's ES-XP Series fire alarm control panels (FACPs). The ES-50XP and ES-200XP offer a complete turn-key fire safety solution by combining the dependable ES Series of addressable FACPs with an integrated dual-SIM (AT&T/Verizon) 5G LTE-M communicator. This combined solution reduces installation and labor costs, enables faster and more reliable central station reporting and provides complete line of site monitoring plus access to automated test and inspection reporting through Honeywell's Connected Life Safety Services (CLSS) cloud solutions.

- Single SLC that provides support for 50 (ES-50XP) or 198 (ES-200XP) addressable devices.
- Integrated CLSS Pathway Pro Communicator; dual SIM AT&T/Verizon networks with LTE-CAT-M1 5G technology.
- Cloud monitoring using Honeywell's Connected Life Safety Services (CLSS) Cloud solutions software. (See CLSS section to the right for additional details).
- Includes the same additional features and functions as standard ES-50X and ES-200X FACPs.

## Connected Life Safety Services (CLSS)

Honeywell Connected Life Safety Services (CLSS) is an innovative, all-in-one cloud software platform that enables systems integrators and facilities managers to deliver an enhanced fire safety service, while maximizing the performance efficiencies offered by Honeywell's trusted detection and alarm systems.

By harnessing the power of data, it delivers the connectivity and intelligence needed for secure, compliant, and more efficient fire system management.

### CLSS Software Features:

- CLSS CheckPoint digitizes the test and inspection process so you can easily generate standard or customizable reports through the web or mobile app.
- CLSS Site Manager provides a "bird's eye" view of all your accounts and real-time information on event generation so you can diagnose before dispatch. Reduce unnecessary trips and improve your first-time fix rate.
- CLSS Facility Manager provides your end users with event alerts via mobile app and access to asset information across multiple sites.

# CLSS-Enabled Commercial Fire Alarm Communicators

CLSS-enabled fire alarm communicators combine dialer capture functionality with the powerful capabilities of Honeywell's Connected Life Safety Services (CLSS) data visual intelligence cloud platform offering the latest in fire alarm communications. Utilizing the 5G LTE-M network, Honeywell communicators serve as a bridge between the fire system and CLSS Cloud and offer support for AT&T and Verizon Wireless networks.



## CLSS Pathway 5G LTE-M Fire Communicator

- Dual SIM automatically picks from AT&T or Verizon networks for ultimate redundancy and reliability (HW-AV-LTE-M).
- LTE-CAT-M1 network is 5G-ready for deep signal penetration inside buildings.
- Meets UL 864 requirements for sole, primary or backup path communications.
- Universal fire alarm control panel (FACP) compatibility and direct power from 24 volt FACP.
- Remote firmware updates.
- Enclosure kit sold separately (HW-AV-ENC).
- Includes access to CLSS cloud services.



## HW-TG7 Series 5G LTE-M Fire Communicators

- The HW-TG7 Series combines Telguard® fire alarm communicators with Honeywell's Connected Life Safety Services (CLSS).
- Support for AT&T and Verizon 5G LTE-M networks.
- Sole, dual, primary, or backup path communications.
- Support for the most common alarm formats, including Contact ID.
- 5- or 60-minute supervision modes.
- Metal and compact, plastic enclosure options available.
- Includes access to CLSS cloud services.
- HW-TG7 Series communicator options:
  - Telguard HW-TG7FE-A (AT&T + IP)
  - Telguard HW-TG7FE-V (Verizon + IP)
  - Telguard HW-TG7FP-A (AT&T Only)
  - Telguard HW-TG7FP-V (Verizon Only)
  - Telguard HW-TG7FS-A (AT&T + POTS)
  - Telguard HW-TG7FS-V (Verizon + POTS)



## Emergency Command Center (ECC)

Fire-Lite Alarm's Emergency Command Center (ECC) leverages advanced technology and 60+ years of life-safety experience to deliver critical messages through non-proprietary systems. The ECC is ideal for any building that needs a flexible, multi-zoned, and highly configurable fire evacuation and mass notification system that's easy to maintain.



### ECC-50/100 Primary Operator Console

- Seamless integration and control when connected to select Fire-Lite addressable panels through the ANN/ACS communication bus.
- May be used with any UL-listed control panel (messages can be initiated by using a dry contact or via a fire alarm NAC circuit).
- Includes a single 25 volt, 50 watt speaker circuit (upgradable to 100 watts and 2 speaker circuits with optional amplifier).
- Speaker circuits are expandable by up to 8 outputs (with an optional ECC-CE6 module).
- Can support up to 14 prerecorded messages that are field-programmable for up to 60 seconds of message playback.
- Built-in 2 Amp NAC output with sync generator.
- 8 Command Input Circuits that can be used to activate messages 1 to 8.
- Optional amplifier can be configured as a backup in the event the primary amplifier fails. Amplifiers are independently powered to eliminate system interruption during a short circuit condition.
- Optional transformer conversion module available for 70.7 volt speaker operation.
- Supports charging up to 26AH batteries.



### ECC-FFT Fire Fighter Telephone

- Provides supervision, annunciation, and control for up to 24 remote telephone handsets.
- Built-in auto-program feature for quick installation.
- Can be wired for class A (Style 6 or Style 7) or class B (Style 4) configuration.
- Can be configured for Multi-Phone Jack Audio Circuit supervision.
- Allows simultaneous operation of up to 10 firefighter remote handsets.



### **ECC-LOC** **Local Operator Console**

- Provides complete control and has an interface similar to the ECC-50/100.
- Includes built-in microphone for ALL CALL paging along with message and zone control.
- A maximum of 8 ECC-LOCs (or combination of other remote display consoles).



### **ECC-RPU** **Remote Page Unit**

- Includes built-in microphone for ALL CALL paging along with message control.
- A maximum of 8 ECC-RPUs (or combination of other remote display consoles).
- Additional 9th button can be used to activate an optional monitor module that can be mounted inside the cabinet for applications such as HVAC shutdown.



### **ECC-RM Remote Microphone**

- Includes built-in microphone for ALL CALL paging over available speaker zones.
- A maximum of 8 ECC-RMs (or combination of other remote display consoles).



### **ECC-50DA, ECC-50BDA, and ECC-125DA** **Distributed Audio Amplifiers**

- Externally mounted amplifiers provide an additional 50 or 125 watts of addressable audio power when connected to the ECC-50/100.
- Up to 8 distributed amplifiers can be connected to the ECC-50/100 for a total of 1100 watts of audio power.
- Includes 4 built-in speaker circuits, which are expandable to 8 circuits with an optional ECC-CE4 module (a maximum of 24 audio circuits).
- Speaker output voltage is field configurable on ECC-50DA for either 25 volts or 70.7 volts of operation.
- Includes a built-in power supply and backup battery charger.
- ECC-50BDA provides 50 watts of power with 50 watts as backup. It can also provide 100 watts of power (100 watts primary and 50 watts of backup power requires ECC-50WBU).

## Conventional Fire Control Panels

Fire-Lite's 24-volt conventional fire alarm control panels (FACPs) bring the latest in microprocessor technology to conventional fire controls. With 2-zone, 4-zone, 5-zone, and 10-zone configurations, these units offer options to meet most local, state, and national requirements in the most efficient and effective way possible.



### MS-2

- 2 initiating zones that are compatible with 2- and 4-wire smoke detectors, 1 zone programmable for combo, supervisory, and waterflow.
- 1 Notification Appliance Circuit (NAC) with built-in horn/strobe synchronization.
- 3.0 amps maximum alarm current.

### MS-4

- 4 initiating zones that are compatible with 2- and 4-wire smoke detectors, 1 zone programmable for combo, supervisory, and waterflow.
- 2 Notification Appliance Circuits (NAC) with built-in horn/strobe synchronization.
- Optional module converts all 4 initiating zones and 2 NACs to Class A.
- 3.0 amps maximum alarm current expandable to 6.0 amps with optional second transformer.



### MS-5UD

- 5-zone Style B (Class B) or 5-zone Style D (Class A) with optional module.
- 3.0 amps maximum alarm current.

### MS-10UD

- 10-zone Style B (Class B) or 10-zone Style D (Class A) with 2 optional modules.
- 7.0 amps maximum alarm current.

#### MS-5UD/MS-10UD Shared Features and Specifications

- 4 NAC Circuits Style Y (Class B) or 4 NAC Circuits Style Z (Class A) with optional modules.
- Built-in horn/strobe NAC synchronization with Remote Synchronization Output.
- Integral 80-character LCD display with backlighting and keypad.
- Annunciator bus supports up to 8 devices, including ANN-80 LCD Remote Annunciator, ANN-S/PG remote serial or parallel printer gateway, ANN-RLY, 10 form C relay board, ANN-LED Zone annunciator, and ANN-I/O LED driver board for graphic annunciators.
- Built-in 2-line digital communicator for off-premises monitoring.
- 3 Form-C programmable relays.

All Conventional Fire Control Panels Support System Sensor®, Wheelock®, Gentex®, Faraday®, and Amseco® devices.

## Releasing Control Panels

Designed to meet the most demanding conventional releasing applications with the flexibility and reliability typically found only in advanced systems, Fire-Lite's Deluge/Preaction and Agent Release models offer rich features such as built-in, easy-to-use programming templates, adjustable delay timers, and more for customized protection.



### **MRP-2001 Deluge/Preaction Control Panel**

- 6-zone Style B (Class B) or 6-zone Style D (Class A) with optional modules.
- 4 Programmable Output Circuits Style Y (Class B).
- Outputs programmable for Releasing Solenoids.
- Dual hazard operation.
- Adjustable waterflow discharge timer and 2 soak timers.
- Cross-zone capability.
- Pre-programmed and custom application templates.
- Built-in NAC synchronization.
- Built-in programmer.
- Annunciator bus supports up to 8 devices, including ANN-80 LCD Remote Annunciator, remote serial or parallel printer gateway, and LED graphic annunciator.



### **MRP-2002 Agent Release Control Panel**

- 6-zone Style B (Class B) or 6-zone Style D (Class A) with optional modules.
- 4 Programmable Output Circuits Style Y (Class B).
- Outputs programmable for Releasing Solenoids.
- Dual hazard operation.
- Adjustable pre-discharge, discharge, and waterflow delay timers.
- Programmable Abort operation.
- Cross-zone capability.
- Pre-programmed and custom application templates.
- Built-in NAC synchronization.
- Built-in programmer.
- Annunciator bus supports up to 8 devices, including ANN-80 LCD Remote Annunciator, remote serial or parallel printer gateway, and LED graphic annunciator.



## Remote Power Supplies

Honeywell's remote power supplies are designed to meet the growing needs of today's installations and servicing requirements by offering more capabilities than ever before. With 6-amp, 10-amp, 12-amp models available, Honeywell's remote power supplies offer reliable notification power with more flexibility, more inputs and outputs, more ways to sync and more efficient installation.



### HPF-PS6 | HPF-PS10

- Up to five (6-amp model) or seven (10-amp model) independently-configurable, power limited output circuits for:
  - Class B and/or Class A NACs
  - Class B and/or Class A resettable or nonresettable
  - 12 or 24V auxiliary power
- Converts from Class B to Class A wiring without losing any outputs using the ZNACPS converter card (sold separately).
- Built-in 18 amp Hour Battery Charger.
- Provides synchronized cascading for up to 4 levels.
- Accommodates up to two 7 Ah or 18 Ah batteries and can charge up to 33 Ah charging capacity.
- Operates as a sync follower or a sync generator (default).
- Configurable for ANSI® Temporal 3 or Temporal 4 coded output.
- Features intuitive diagnostic and troubleshooting LEDs.
- Includes Display Trouble History Mode to review all trouble conditions.
- Features removable door and 10 concentric knockouts for easier access and setup.
- Compatible with wide range of end-of-line resistors for easy retrofit.
- Optimal for powering four-wire smoke detectors, annunciators, and other system peripherals requiring regulated power.
- Supports System Sensor®, Wheelock®, Gentex®, and Amseco® AV sync protocols.

### HPFF12 | HPFF12CM

- Four (12-amp) power limited supervised notification application circuits (NAC's) capable of supplying +24VDC at 3.0 amp maximum each.
- NAC output circuits may be configured as any of the following:
  - Four Class B (Style Y).
  - Two Class B & one Class A.
  - Two Class A (Style Z).
  - Four Class A (requires the HPP31076 Class A adapter).
- Four field-programmable operational modes.
- Eight status LEDs.
- NAC Overload protection and indication.
- 26 AH battery charger capability:
  - HPFF12 supports two 12V 18AH batteries.
  - HPFF12CM supports two 12V 12AH batteries per unit.
- UL-Listed NAC synchronization using System Sensor®, Wheelock®, Gentex®, or AMSECO® appliances.
- HPFF12CM chassis mounted. Includes mounting hardware, battery cable and instructions.

## Pull Stations



### BG-12 Series

The BG-12 Series is a cost-effective, feature-packed series of non-coded manual fire alarm pull stations. It was designed to meet multiple applications with the installer and end-user in mind. The BG-12 Series are available in both conventional and addressable versions and features a variety of models including single- and dual-action versions. The BG-Series is highly visible for easy identification with durable polycarbonate materials, with either key lock or hex key. The BG-12 series is typically specified and is a go-to for most architects and engineers.



### BG-8

The BG-8 is a conventional, single-action metal fire alarm pull station for jurisdictions where metal pull stations are required.

## Annunciators



### ANN-80 and ANN-100

The ANN-80/100 are compact, backlit 80-character LCD fire alarm annunciators. Both mimic the FACP display and provide system status indicators for AC, power, alarm, trouble, supervisory and alarm silence conditions. ANN-100 is FM and ULC approved.



### ANN-LED

The ANN-LED annunciator module provides LED annunciation of general system faults, and input zones and points when used with a compatible FACP. It provides alarm, trouble, and supervisory indication for up to 10 input zones or addressable points.



### ANN-I/O

The ANN-I/O is a LED driver module that can be used with a FACP to drive most customized graphic annunciators. It comes in a plastic enclosure that may be mounted inside a custom annunciator or accessory cabinet, and can drive up to 40 LEDs.

## Addressable Smoke Detection



H365



SD365



SD365CO

Fire-Lite's 365 Series addressable detectors, bases and accessories are designed for both performance and aesthetics. A new modern, sleek contemporary design and advanced smoke and thermal detection technologies to meet the latest code requirements make the 365 Series ideal for both system operation and building design. The 365 Series product line includes photoelectric, photoelectric/thermal and heat detectors as well as complimentary bases and accessories.

- Standard (SD365), photo/thermal (SD365T) and remote test capable (SD365R) photo detectors available.
- Fixed-temp (H365), high-temp (H365HT) and rate-of-rise (H365R) thermal detectors available.
- Modern profile for improved aesthetics.
- Meets UL 268 7th Edition.
- Integral communications and built-in type identification.
- Built-in tamper-resistant feature.
- Removable cover and insect-resistant screen for simple field cleaning.
- Expanded color options.

## SWIFT® – Smart Wireless Integrated Fire Technology



SWIFT wireless addressable devices provide secure communication to the FACP across a Class A mesh network. SWIFT technology can be used in parallel with wired systems, allowing wireless devices to be added alongside wired devices on the same system.

### SWIFT Gateway

Using the W-GATE gateway, the FACP views SWIFT wireless devices as additional addressable devices on the system, providing similar detection functions and outputs as a wired counterpart.

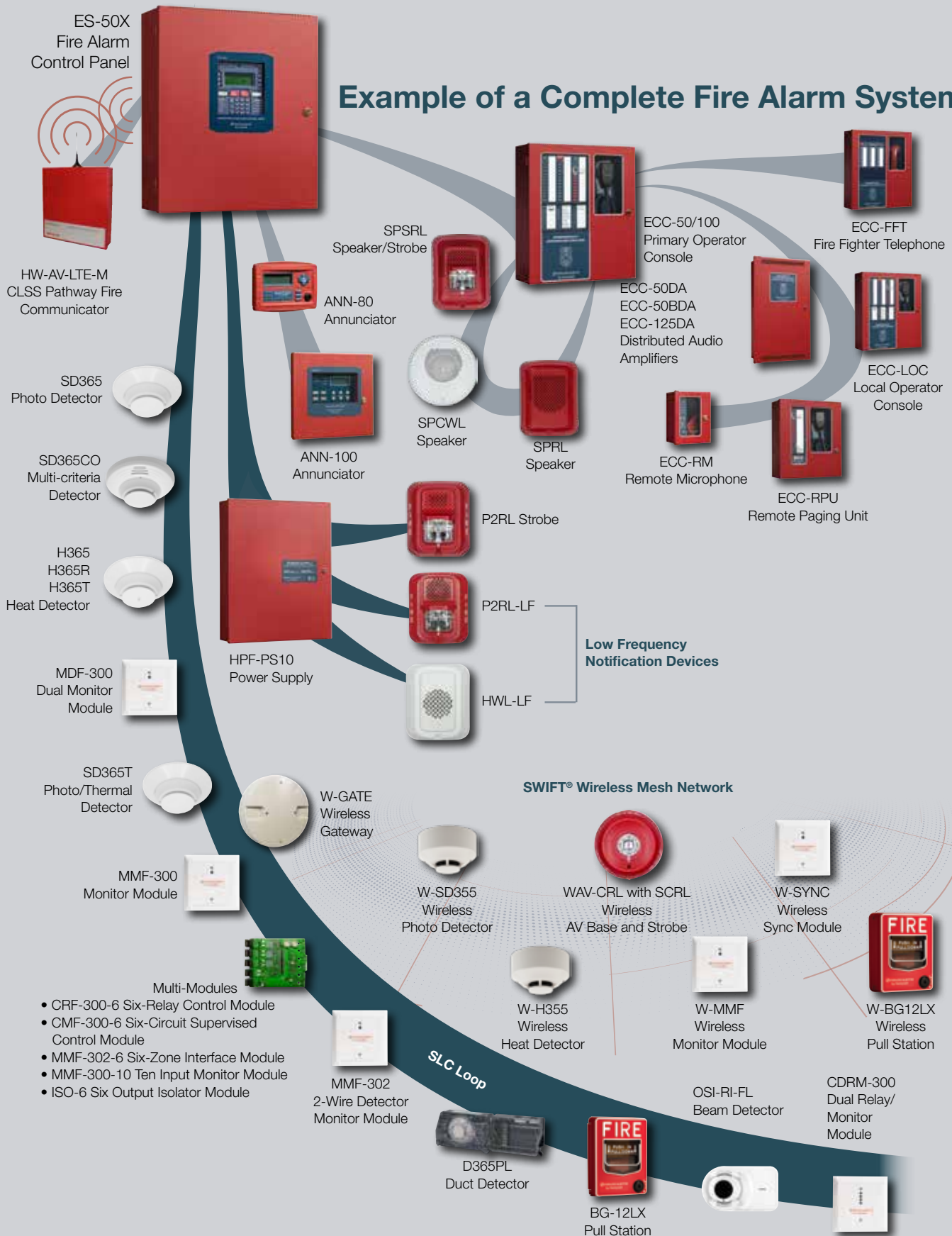
### SWIFT Devices

The SWIFT line offers a variety of device options including photoelectric, photo/thermal, fixed heat, and rate-of-rise heat detectors, pull stations, AV bases, and relay, monitor and sync modules.

### SWIFT Tools

Employ a wireless transmitter (W-USB) to aid in the site survey, mesh formation, and diagnostics of the system.

## Example of a Complete Fire Alarm System



## Quick Reference Guide

Conventional Fire Alarm Control Panels					Addressable Fire Alarm Control Panels				
Features	MS-2	MS-4	MS-5UD	MS-10UD	ES-50X	ES-200X	ES-50XP	ES-200XP	MS-9600UDLS
Panel Voltage	24	24	24	24	24	24	24	24	24
Addressable Points	N/A	N/A	N/A	N/A	50	198	50	198	636 (2 Loops)
LiteSpeed™ Protocol	N/A	N/A	N/A	N/A	Yes	Yes	Yes	Yes	Yes
Number of Zones	2	4	5	10	50	100	50	100	100
Class A/B Initiating Zones/ Loops	B Only	B or A Option	B or A Option	B or A Option	A or B	A or B	A or B	A or B	A or B
Supports System Sensor i3 Detectors with Freeze Warning	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A	N/A
Notification Circuits	1	2	4 (A or B)	4 (A or B)	2 (A or B)	4 (A or B)	2 (A or B)	4 (A or B)	4 (A or B)
Notification Power (Amps)	3.0	3.0-6.0	3.0	7.0	2.5	3.0-6.0	2.5	3.0-6.0	7.0
5G LTE-M Cellular Communicator	No	No	No	No	No	No	Built-In	Built-in	No
Honeywell Connected Life Safety Services (CLSS) Enabled	No	No	No	No	No	No	Yes	Yes	No
Communicator	411 Series	411 Series	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
Built-In Communicator Type	411 Series	411 Series	POTS	POTS	IP/POTS	IP/POTS	5G LTE-M/IP	5G LTE-M/IP	IP/POTS
Supports Upload/ Download	No	No	Remote or Local	Remote or Local	Remote or Local	Remote or Local	Remote or Local	Remote or Local	Remote or Local
Works with IP Communicator	No	No	Yes	Yes	Built-in	Built-in	Built-in	Built-in	Built-in
Battery Range (in Amp Hours)	7.0-18.0	7.0-18.0	7.0-18.0	7.0-26.0	7.0-18.0	7.0-18.0	7.0-18.0	7.0-18.0	7.0-26.0
Alarm Contact	Yes	Yes	Programmable	Programmable	Programmable	Programmable	Programmable	Programmable	Programmable
Trouble Contact	Yes	Yes	Programmable	Programmable	Yes	Yes	Yes	Yes	Yes
Supervisory Contact	No	Yes	Programmable	Programmable	Programmable	Programmable	Programmable	Programmable	Programmable
Reverse Polarity Transmitter	Option	Option	Option	Option	Option	Option	Option	Option	Option
Temporal Coding	Yes	Yes	Programmable	Programmable	Programmable	Programmable	Programmable	Programmable	Programmable
Optional Remote Annunciator	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Built-in Sync-Selective Silence	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Supports Printer	No	No	Option	Option	Option	Option	Option	Option	Yes
Listings	UL, CSFM, MEA	UL, CSFM, MEA	UL, CSFM, MEA, FM	UL, CSFM, MEA, FM	UL, CSFM, MEA, FM	UL, CSFM, MEA, FM	ETL, CSFM	ETL, CSFM	CSFM, MEA, FM

Digital Alarm Communicator Transmitters				Releasing Control Panels	
Features	411	411UD	411UDAC	MRP-2001	MRP-2002
Input DC Voltage	12/24	12/24	12	24	24
Number of Zones/Channels	3	4	4	6	6
Class A or Class B Zones	B	B	B (One A)	B or A Option	B or A Option
Control Communicator	Slave Comm.	Slave Comm.	Stand-Alone or Slave Comm.	No	No
Remote Upload/Download	No	Yes	Yes	No	No
Supports System Sensor i3 Detectors with Freeze Warning	N/A	N/A	N/A	Yes	Yes
Notification Circuits	N/A	N/A	N/A	4	4
Notification Power (Amps)	N/A	N/A	1	7	7
Battery Range (in Amp Hours)	N/A	N/A	Up to 14.0	7.0-26.0	7.0-26.0
Auxiliary Input	No	No	No	N/A	N/A
Alarm Contact	No	Option (Prog.)	Option (Prog.)	Programmable	Programmable
Trouble Contact	No	Option (Prog.)	Option (Prog.)	Programmable	Programmable
Supervisory Contact/Output	No	Option (Prog.)	Option (Prog.)	Programmable	Programmable
Optional Remote Annunciator	No	No	No	Yes	Yes
Supports Printer	No	No	No	Yes	Yes
Listings	UL, ULC, CSFM, MEA	UL, ULC, CSFM, MEA	UL, ULC, CSFM, MEA	UL, CSFM, MEA, FM	UL, CSFM, MEA, FM



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**ISO 9001**  
**CERTIFIED**  
ENGINEERING & MANUFACTURING

Fire-Lite Alarms  
1 Fire-Lite Place, Northford, CT 06472  
USA - Phone: (203) 484-7161 • [www.firelite.com](http://www.firelite.com)