



CLEAN AGENT FIRE SUPPRESSION SYSTEM

# ENGINEERED HFC-227ea 360 PSI (25 BAR)

DESIGN, INSTALLATION, OPERATION AND MAINTENANCE MANUAL

UL EX27502

351MN360

FEBRUARY 1, 2017

REVISION 0.0





**AVENGER SYSTEMS, L.L.C.**

11586 Zagarolo Lane, Las Vegas, NV, 89141 U.S.A.

Tel: (961) 323-4750 | Fax: (961) 454-3567

Email: [sales@avengersystems.com](mailto:sales@avengersystems.com) | Web: [www.avengersystems.com](http://www.avengersystems.com)

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## AS2010-00

### Fixed Temp / Rate of Rise Heat Detector



#### Standard Features

- Low Profile - Only 2.0" high, including base
- Simple and reliable device addressing method
- Uses the noise Immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires.
- Rate of Rise temperature threshold = 15°F/Min (determined by panel)
- Adjustable threshold temperature = 135°F - 190°F (determined by panel)

#### Application

The AS2010 Fixed Temperature / Rate of Rise sensors provide accurate temperature measurement data to the fire alarm control panel. These sensors are well-suited for environments where dust, cooking fumes or other factors make the use of smoke sensors impractical.

#### Operation

The AS2010 incorporates a highly linear thermistor circuit. The specially designed cover protects the thermistor while allowing maximum air flow. The thermistor circuit produces a voltage proportional to the temperature; this information is transmitted to the control panel as a digital value. When the ambient temperature exceeds a preprogrammed threshold (fixed temp or rate of rise), the sensor transmits an interrupt to the control panel indicating a fire alarm. The fire alarm control panel can adjust the sensor's fixed temperature threshold for different installation requirements.

Up to 127 devices may be installed on each SLC loop. The sensor address may be set by a hand-held programming unit. The sensor mounts to an electronics-free base and incorporates a locking mechanism for security. The base provides mounting slots, terminals for field wiring and a third terminal for a remote indicator/ LED. The sensor has dual LEDs for easy viewing of the sensor status.

#### Note:

**Bases are not included with detectors, please order separately.**





# AVENGER

## **AVENGER K & AVENGER FLEX**

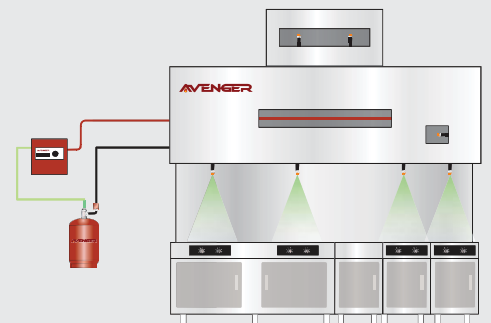
RESTAURANT  
FIRE SUPPRESSION  
SYSTEM



# ***Fixed or Flexible to protect kitchen appliances and hoods.***

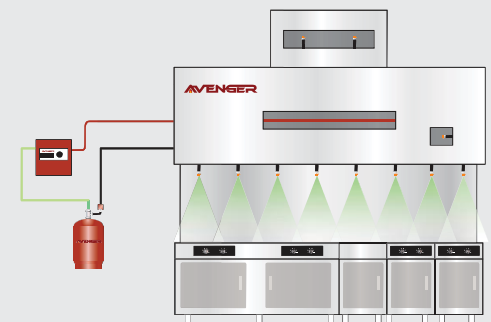
## **Avenger K Restaurant Fire Suppression System**

Avenger offers two systems to meet the industry's varying needs. With the Avenger K Restaurant Fire Suppression System you get appliance-specific coverage that typically offers lower initial cost. The AK system is ideal for uses where appliance location is fixed such as in fast food chains, casual dining, cruise ships and school cafeterias.



## **Avenger Flex Restaurant Fire Suppression System**

The Avenger Flex Restaurant Fire Suppression System adds greater flexibility by letting you reconfigure a kitchen or move appliances without moving nozzles. Because of its adaptability, this system is the most cost effective choice over the life of the system. The AF system was designed with fine dining, culinary schools, military facilities, hotels and hospitals in mind.



**■ DETECTION    ■ ACTUATION    ■ DISCHARGE**





## Supreme RS

Analog Addressable Fire Alarm  
Control Panels (1 or 2 Loops)

**AS0810-xx** (1 Loops)

**AS0820-xx** (2 Loops)



### Standard Features

- One full SLC circuit expandable to two
- 3 programmable relays
- 5.25A integrated power supply
- Large graphic display
- Real time clock
- Compatible with eMATRIX graphics annunciator
- Powerful, network wide cause and effects (500 total). Fully user programmable by point or zone.
- Can be networked with additional RS and/ or Supreme control panels.
- Compatible with eVIEW Annunciator Programmable through a PC connection to the panel
- Same look and feel as Supreme range.
- Stores 1000 last events in history log.
- Model ranges include with or without a Dual-Line internal DACT
- Compact, stylish enclosure
- Available in Red or Gray
- 2 Programmable NAC circuits with internal synchronization support.

### Product Overview

Supreme RS is a versatile range of open protocol fire alarm control panels compatible with existing Supreme fire alarm panel technology.

Available with one or two detection loops for a total of 254 primary SLC points or up to 800 points using addresses and sub-addresses. Supreme RS uses leading edge microprocessor based electronics to provide a flexible control system with high reliability and integrity.

Suitable for all small to medium sized fire detection systems, Supreme RS control panels can be expanded and networked to become part of much larger systems if the need arises, therefore providing a future proof solution for any installation.

With its large graphical display and ergonomic button and indicator layout, the Supreme RS control panel is simple and straightforward to understand for installers, commissioning engineers and end users alike.