



Smarter solutions for greater  
safety, and efficiency.

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**DETECTION SOLUTIONS**



As you consider which fire and life safety solution to use for your facility, first look at the reputation behind it. Building owners around the globe trust the Simplex family of detection solutions to help protect their facilities – no matter how large and complex – because of their high degree of reliability, ease of use and

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## REVOLUTIONARY ADDRESSABILITY.



The complete range of Simplex  
detection products are

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## ACCURATE AND RESPONSIVE

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and offer real and significant advantages to you –  
and to building occupants in the event of a fire or other emergency.



# 5 WAYS SIMPLEX DETECTION SOLUTIONS EXCEED EXPECTATIONS

1

## **INDUSTRY-LEADING TECHNOLOGY**

The Simplex line of sensors and initiating devices offers performance and reliability.

Quick detection of fire, smoke and heat events help protect your people, property and assets while mitigating any potential fire damage. And advanced technology lets you monitor and calibrate the performance of your system in accordance with changing environmental conditions. Simplex sensors are also UL268 7th Edition listed to meet the latest standards and help you stay fully code compliant.

2

## **TRUE ADDRESSABILITY**

Many Simplex detection devices feature addressable technology, which allows them to function as intelligent configurable devices on a fire detection network. Since they are supervised by the control panel, potential issues can quickly be identified and remediated – saving both time and money while streamlining system management.

4

## **SIGNIFICANT REDUCTION OF NUISANCE ALARMS**

Of course you want an alarm to work – but only in the context of an actual event. Through our innovative software and electronics, we created a more stable technology for fast response and the virtually no nuisance alarms. Automatic Drift Compensation maintains the sensor's performance despite the buildup of dust and other contaminants. The system also warns you if a sensor is reaching the point where it is too contaminated to perform properly so you can proactively clean or replace it before safety is compromised or nuisance alarms occur.

3

## **TAILORED SOLUTIONS FOR EVERY SPACE**

A wide range of Simplex TrueAlarm Sensors and initiating devices lets you choose the right technology for the scope and needs of your facility. Not only do these devices integrate with fire suppression systems where needed, but a solution customized to your specific requirements helps to ensure a more targeted, accurate response.

5

## **STRONGER VALUE**

As an integral part of Simplex fire and life safety systems, our sensors and detection devices benefit from innovative design and technology that is reliable and efficient, easy to manage and upgrade, and more cost-effective overall.

# Manage easier and improve performance

## Advanced photo sensor features

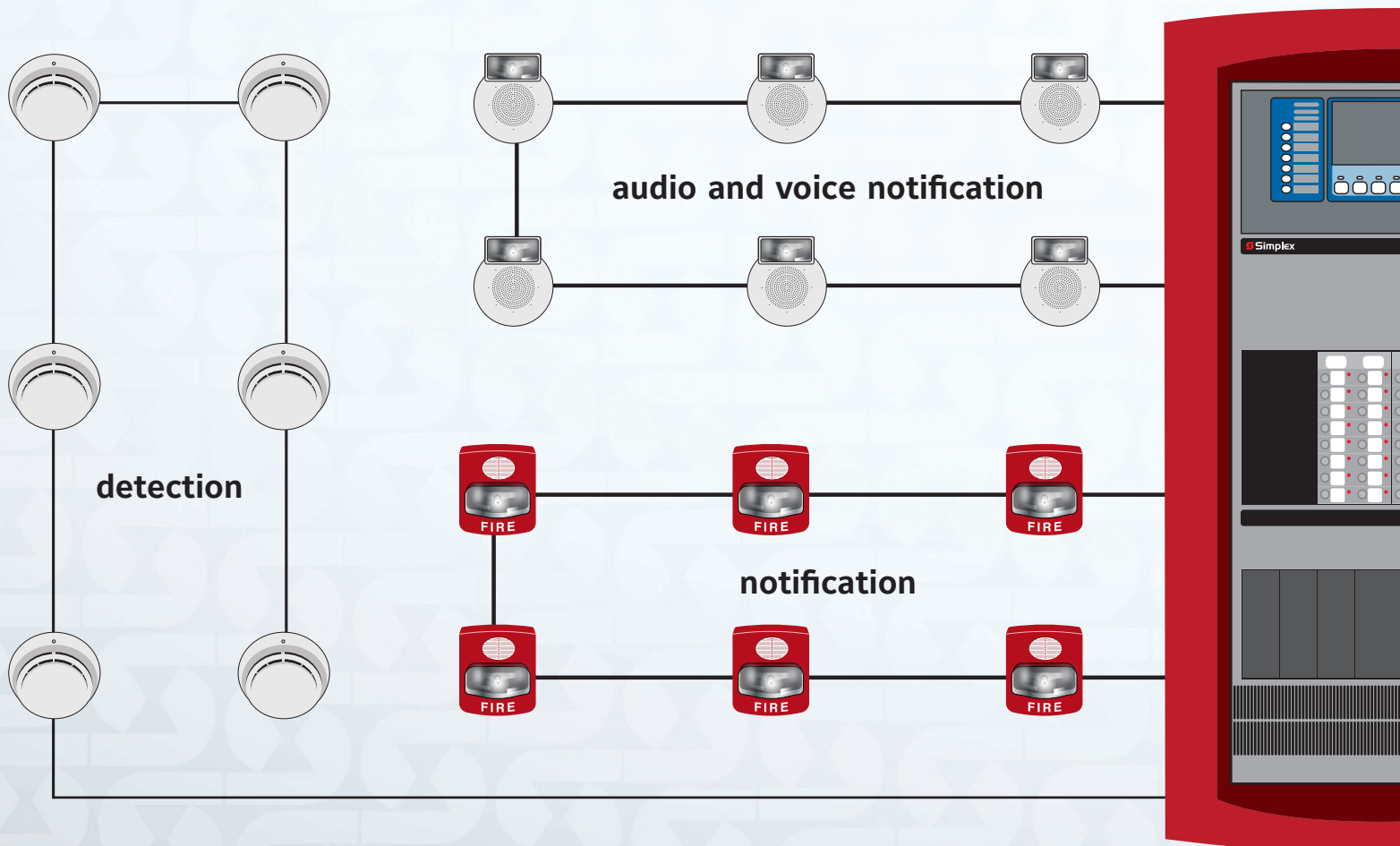
Reduce nuisance alarms, fine-tune sensitivity for optimum protection and receive multiple levels of warning that cleaning or replacement is needed.

## Multi-sensors

Combines multiple types of sensors including smoke, heat, and photoelectric in a single device, providing greater assurance when alarm conditions are met.

## Simplex TrueAlarm technology

By adding fire detection data to enhance sensor performance, this technology enables better evaluation of conditions and reduces nuisance alarms. TrueAlarm sensors are listed to UL268 7th edition standards so they pass the industry's most up to date and stringent performance and nuisance alarm immunity tests.



# with these detector features.

## Programmable day/night modes

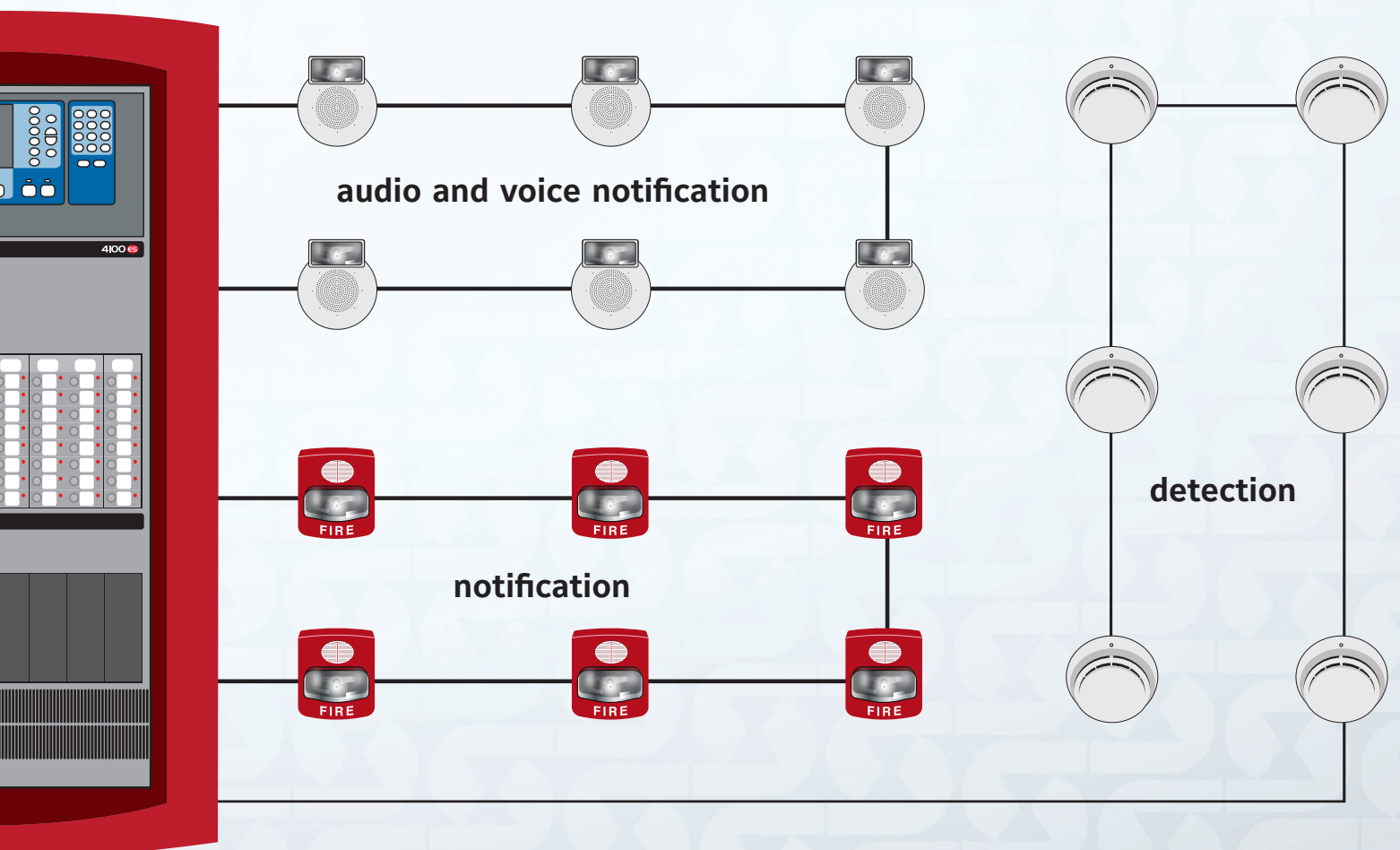
Each sensor can be programmed to update its operation mode. In addition, you can turn specific functions on and off at specific times, giving you the right protection at the right time.

## Peak value logging

By providing historical data on how close each sensor has come to its alarm point, this feature lets you more accurately set your system for maximum sensitivity while reducing nuisance alarms. Data is logged and stored within the fire detection control panel.

## Device address in mounting base

This feature lets you easily interchange heads without reprogramming, remove heads for service and reinstall them anywhere.



# Choose from our complete line of detection devices and sensors.

Easily design a system that addresses the unique characteristics and needs of your facility. Choose from:

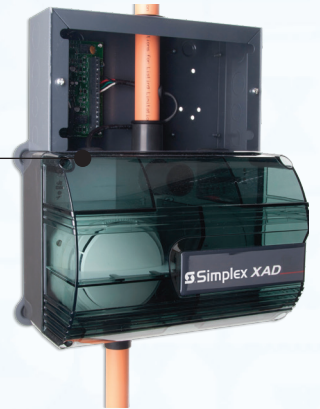
## Heat and flame detectors

Simplex heat sensors can be set to alarm according to the rise rate or at a fixed temperature. They can also be programmed by time of day to operate in different modes/sensitivities. Flame detectors combine IR sensors with Digital Signal Processing (DSP) algorithms to validate flame presence.



## Addressable duct sensors

Detect smoke in HVAC ducts with these specialized sensors, which are available in aspirating and non-aspirating models for a wide range of environments.



## Photoelectric sensors

These devices allow you to detect smoke particles in a sensor chamber and trigger alarms based on their sensitivity setting and the amount of obscuration. Advanced features include drift compensation, automatic sensitivity selection, variable sensitivity by time of day, and dual-stage operation and alarm verification.



## Addressable beam detectors

Beam detectors measure the presence and concentration of smoke across an open area using a laser beam and reflector. They are the preferred solution for warehouses, atriums, arenas and other open areas where traditional point-type sensors or aspirating smoke detectors are not effective.





### Multi-sensor devices

Multiple types of sensors (e.g., smoke, heat and CO gas) are combined in a single device, which lets you protect against a broader range of fire types, reduce false alarms, and save on wiring and installation costs.



### Pull stations and interface modules

Conventional and addressable pull stations, including ADA-compliant models, allow for the manual initiation of alarms. Addressable interface modules let you connect external systems (fire pumps, water flow sensors, air handlers, smoke dampers) to the Simplex system.

Take the next step.  
Put Simplex products to work for you today.

Be sure that your life safety system addresses the unique needs of your facility today – and will be able to take advantage of industry-leading innovations in the future.

As always, Simplex fire and life safety solutions continue to advance state-of-the-art protection, pioneering advanced systems that help make management easier and more cost-effective, and protect buildings and occupants alike.

Choose Simplex detection devices. Get started today.

[Simplex-Fire.com/Detection](http://Simplex-Fire.com/Detection)



Want more information?  
Visit [Simplex-Fire.com/Detection](https://www.Simplex-Fire.com/Detection)

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