

AUTOCALL PRODUCT...

MX GEN6 SERIES



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NEAR YOU.



LEADER IN DETECTION TECHNOLOGY

Autocall products are known for leading innovation. One way we do this is by enhancing our sensor technology to provide our customers with the most advanced solutions for the varied challenges they encounter. Throughout our long history we have perfected the capabilities, intelligence and technology inside our sensors, working to improve safety in even the most challenging environments.



LEADING INNOVATION

Each year, we invest millions of dollars and countless hours in the development of new technologies to help safeguard lives, property and the environment.



RESEARCH AND REVOLUTION

Supported by our advanced research and development facilities and modern manufacturing platforms throughout the world, our solutions deliver measurable value, performance and sustainability.



PERFORMANCE & RELIABILITY

We understand that a fire detection system is crucial to the safety and protection of a building and its occupants. People rely on this system every day to help keep them safe and alert them at the earliest possible sign of danger. Our Gen6 series sensors have been developed to help ensure optimum detection performance, reliability, and false alarm resilience.



RESEARCH AND REVOLUTION

At the forefront of innovation, we pride ourselves on an ongoing commitment to integrate insights from people who use and interact with our products, ensuring we are always evolving and developing the most innovative new solutions.

We work with our customers to achieve their safety and business goals by finding smarter ways to protect where people live and work - a promise we have delivered on for over 100 years.

THE GEN6 SERIES OF SENSOR TECHNOLOGY

A new MX Addressable Fire Sensor



BETTER ENVIRONMENTAL PERFORMANCE



EXCELLENT DETECTION



GREATER FAULT TOLERANCE



SAFER, EASIER & QUICKER TO INSTALL



LOWER LIFETIME COST



Commercial



Retail



Power/
Oil/Gas



Hospitality



Warehouse



Manufacturing/
Industrial



Healthcare



Data Center

A SYSTEM YOU CAN RELY ON

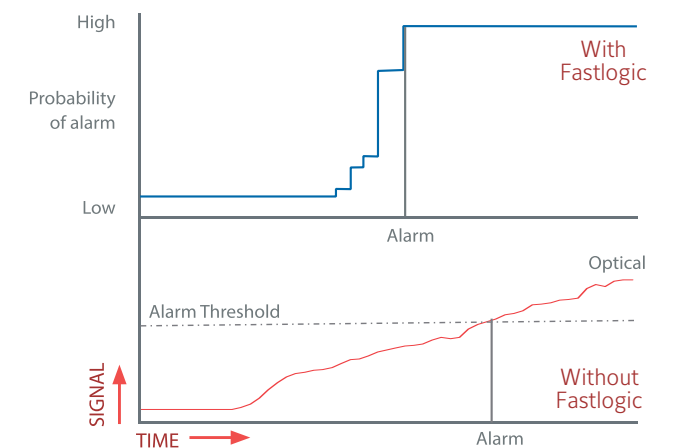
The MX Gen 6 series sensor range is designed for a variety of environments and can be configured to deliver superior detection for numerous fire risks.

FASTLOGIC TECHNOLOGY ENHANCES SENSOR PERFORMANCE

The sensors in a room are constantly sending information on the levels of heat and smoke to the panel. The panel uses sophisticated FastLogic algorithms to evaluate information from the sensor and determine whether there is a fire. Developed in conjunction with the University of Duisburg, FastLogic is based on analysis of data from nearly 100,000 fire/non fire situations gathered over 80 years. This makes systems with FastLogic technology exceptionally good at detecting real fires and rejecting false alarms.

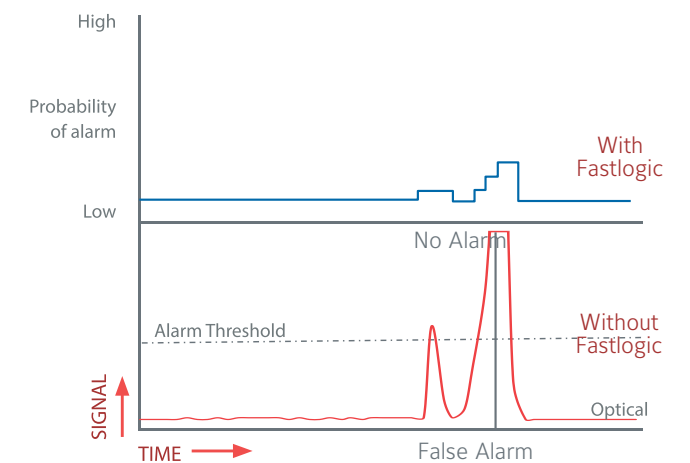
The FastLogic algorithm is designed to achieve faster detection of real fires.

COTTON FIRE



FastLogic calculates that the sensor response indicates a high probability of a fire. In many cases, FastLogic is able to detect fires more quickly and accurately.

OPENING THE DOOR OF A STEAM FILLED BATHROOM



Although the sensor reaches the threshold for long enough to cause an alarm, FastLogic analyzes the signal pattern and calculates a low probability of it being a fire. In this example, FastLogic prevents the initiation of a false alarm.



A4098-5256 Photo Sensor
A4098-5266 Photo Sensor with Isolator

A choice of several programmable sensitivities gives this sensor a broad range of applications. The optical sensor can help to protect in benign environments where potential fires would be slow burning.

- Operating Modes:
> Photo Sensor



A4098-5257 Heat Sensor
A4098-5267 Heat Sensor with Isolator

Can operate in fixed temperature and rate of rise modes with a number of approved sensitivities. Used in areas where high levels of dust are present or where the environment precludes the use of smoke sensors.

- Operating Modes:
> Rate of Rise Heat
> Fixed Temp (135 Deg F)
> Fixed Temp (200 Deg F)
> Combined Fixed Temp/Rate of Rise Operation

THE GEN6 SERIES SENSOR RANGE



A4098-5255 Photo Heat Sensor
A4098-5265 Photo Heat Sensor with Isolator

Ability to detect a wide range of fires from flaming to smoldering types. Combined photo and heat multi-sensor device is the preferred choice for a range of applications including light industrial, retail and office environments. Operates in a number of configurations and sensitivities that can be dynamically selected via software to suit different environmental conditions.

- Operating Modes:
> Photo
> High Sensitivity Photo
> High Performance Photo
> Photo/Fixed Temp Heat
> Photo / Rate of Rise Heat
> Heat (Rate of Rise or Fixed Temperature)



A4098-5268 Triple Sensor with Isolator

High performance multi-sensor technology and leading false alarm protection. Monitors smoke, heat and CO levels in concert, designed to quickly and accurately determine the presence of fire. False alarm rejection properties make it the ideal choice for hotel bedrooms where steam from bathrooms is a common source of false alarm. Designed for use when the environmental conditions are challenging for example: industrial, transport hubs, and healthcare.

- Operating Modes:
> Photo
> Enhanced Photo (CO / Heat)
> Resilient Photo
> Heat (Rate of Rise or Fixed Temperature)
> CO - Toxic
> CO - Enhanced

THE RIGHT SENSOR MODE FOR YOUR REQUIREMENTS



With Autocall Gen6 series sensors, you have the flexibility to alter the device's sensitivity to heat, CO and smoke depending on the application, risks and time of day.

Apart from choosing the correct sensor, it is important that each unit is set to the operating mode that suits the area being protected. Gen6 multi-sensors

provide the flexibility to dynamically adapt to an environment depending on the application, risks and time of day. The mode of operation will determine sensitivity to smoke, heat and CO helping to ensure optimum performance at all times.

Multiple modes of operation can be used concurrently with both the photo-heat and

Gen6 multi-sensors. As an example, an Gen6 multi-sensor can operate as a high performance optical sensor, a heat sensor and a heat compensated CO sensor simultaneously, with different alarms causing different actions. This ability to employ multiple modes can be used to provide alarm verification without the need for multiple devices.

	Clean room Data processing suite	Offices Retail Hospitals, Hotels Light industrial Residential Passenger cabin	Warehouse with diesel fork-lifts Heavy industrial ferry (car deck)	Livestock pen mill Laundry Changing room	Kitchen Engine room Test beds	Atrium Theatre Hangar Oil rig Turbine hall
A4098-5256 A4098-5266 Photo Sensor	✓	✓				
A4098-5257 A4098-5267 Heat Sensor			✓	✓	✓	✓
A4098-5255 A4098-5265 Photo Heat Sensor	✓	✓	✓	✓	✓	✓
A4098-5268 Triple Sensor	✓	✓		✓	✓	✓



MANY
CHALLENGES

ONE
SOLUTION

Gen6 series multi-sensors can help to protect a wide variety of environments.

COMMERCIAL



CHALLENGE

In large commercial buildings there are often multiple tenants occupying the space for different activities, including office space, call centers, dining areas, small shops, and gyms. It is a challenge to find detection solutions that can satisfy the needs of a multi-use building and help you eliminate alarms.

MANUFACTURING



CHALLENGE

By-products of manufacturing processes – like dust, heat and smoke – can create a difficult environment for the fire detection system and are frequent causes of false alarms.

HOSPITALITY



CHALLENGE

In a hotel environment, en-suite shower facilities will often generate steam when in use. This could trigger a photoelectric, resulting in a false alarm and inconvenience to customers.

SOLUTION

Gen6 Series multi-sensor devices can help you overcome many challenges. The multi-sensor device has six detection modes and employs three detection technologies; heat, smoke and toxic gas (carbon monoxide).

These sensors can be used in concert to provide optimum detection based on the occupancy and risk – an ideal solution for commercial buildings with varying fire detection needs as sensor modes can be adjusted to suit each environment. Changing modes can be as easy as pressing a button on the panel,

or if permanent change is required, it's a simple reconfiguration in software. Quick, easy and no hardwired changes required.

A highly desirable feature for manufacturing applications is the Gen6 series multi-sensor device's programmable day and night modes. This means that during the day when the building is fully occupied and running, heat and CO sensors can monitor for fire while the smoke elements can be turned off or set to low sensitivity. Smoke elements can be turned back to their normal mode at night

when daily activities have ceased and the building is likely to be most at risk.

Similarly, the ability to adjust and set the sensitivity levels of the Gen6 series is an important feature in hospitality (hotel/motel), college dormitories and other like environments. With the ability to set the device to low sensitivity to steam from showers, while it remains highly sensitive to heat and toxic gas (carbon monoxide), the Gen6 Series provides the ideal solution.