Advanced Detection

Devices from Gamewell-FCI



Superior Detection Requires Advanced Technology

Gamewell FCI FIRE CONTROL INSTRUMENTS

by Honeywell

Fires cost $2.5 billion in business interruption every year.

There was a time when building owners, facility managers and specifying engineers made decisions on selecting a fire alarm detection system based solely on meeting code requirements. Today, more and more companies are concerned with securing their assets and protecting business continuity in the event of a fire. Many understand the significance of lost revenue resulting from false alarms. That's why today many now choose to go beyond code to protect their investment and keep business productivity running smooth.

"Companies choose to go beyond code to protect their investment"

New, sophisticated advanced detection offers early warning along with the best immunity to nuisance alarms. Together they can help keep your facility running 24/7. Accuracy, precision, sensing fires in all environments — is critical where disruptions cannot be tolerated or in areas that may be difficult to protect due to challenging or extreme conditions.

As one of the world's premier fire alarm companies, Gamewell-FCI understands the challenges of protecting your people, facilities, assets and intellectual properties - *the life lines of your organization*. Advanced detection provides the sophistication you can count on to respond quickly, and minimize interruptions to your day-to-day, critical business performance.

What value do you place on keeping your business running smoothly?





Velociti® Communications – When Seconds Count

Gamewell-FCI fire alarm and emergency communication systems achieve exceptional reaction time - even in sprawling and complex building environments. Our proprietary Velociti® communication protocol is designed especially for supervised signaling line circuits as required by the National Fire Protection Association® (NFPA) providing:

- 5 times faster – communication protocol delivers 2 second alarm response time
- Increased safety – fire alarm panel is notified when communication is broken
- Reduced hardware – more devices per SLC, minimizing the number of costly interface modules
- Reduced wiring – supports longer signaling line circuits (SLC) for large applications
- Save money – network using economical unshielded twisted pair wiring
- Less programming – due to special device types

2.2 Million false alarms occur every year.

4-Warn/CO Multi-Criteria Fire/CO Detector

Combines four fire and carbon monoxide (CO) sensing elements into a single addressable device for an attractive, functional and cost-effective fire/CO detection solution.

With the continuous monitoring of all four major signatures of fire, the 4-Warn/CO is able to adjust to its environment and quickly distinguish between a fire or CO event. This eliminates false alarms by monitoring and ignoring high transient nuisances.

As more local and state governments require the use of carbon monoxide (CO) detection, the need to combine fire and CO detection into one sensor is a value-saving, smart solution.

"Until now there has been no detector which provides such a level of efficiency and cost-effectiveness."

Together with the B200S Intelligent Sounder Base, our 4-Warn/CO detector offers one-of-a-kind control of the sounder output. Through the E3 Series® fire alarm control panel, when a live or pre-recorded message is broadcast, the sounder base will silence itself. This allows the critical information to be heard, minimizing confusion during an emergency situation. Our sounder base also adapts to the changes in alarms - from a temporal 4 for a CO alarm to a temporal 3 for fire - seamlessly without disruption. No other system in the industry can deliver the same level of intelligence.



Faulty smoke detection activation accounted for 1/3 of all unwanted false alarms.

Nuisance alarm fines can cost as much as $3,000 per incident.

4-Warn Multi-Criteria Fire Detector

Adding a new dimension of performance to our Velociti® line, 4-Warn provides unsurpassed accuracy and response time for best in class fire detection. Using advanced algorithms to self-adjust to changing environmental conditions, it senses fires using four different methods and provides the best immunity to nuisance alarm threats.

- Photoelectric chamber senses airborne particles for smoke detection
- Electromechanical cell monitors carbon monoxide (CO) produced by smoldering fires
- Infrared (IR) sensing measures flame signatures
- Thermal detection monitors temperature thresholds

Protecting Prosperity



Evacuating a public area is both costly and difficult. Does your detector know when a fire is really a fire?

Acclimate Multi-Criteria Detector

Combines photoelectric and 135°F thermal sensor signals to provide early warning of fire, while minimizing nuisance alarms.

Adjusting its sensitivity according to the environment, the Acclimate detector is ideal for use in areas that are subject to change and disruption of operation is a concern, such as a college campus, office building, industrial facility etc. Using advanced on-board software, the alarm data is processed through diagnostic criteria to reject nuisance sources and respond quickly to real fires.

ASD-LS Low Profile Laser Smoke Detector

Providing unsurpassed sensitivity, the ASD-LS identifies the location of a fire for maximum detection.

It's innovative laser diode and precision optics combined with an array of software tools allows the sensor to swiftly sense smoldering fires and is 100 times more sensitive to the smallest particles of combustion, providing a faster response to flaming fires.

- Locates fire position through addressability - unlike other high sensitivity sensors
- Continuously monitors changes in the environment due to dirt, temperature, transient smoke, humidity etc.
- No delay in response time due to smoke dilution or smoke transportation time
- Protects valuable assets and operations where systems must remain online at all times



FAAST™ Fire Alarm Aspiration Sensing Technology

Protects mission critical facilities and high-value assets through very early detection of the faintest traces of smoke even in highly challenging environments.

As an aspiration detector, FAAST™ draws air samples into its sensor, allowing for accurate detection in challenging environments. Performance is built around Dual Vision sensing technology and an infrared laser to detect a wide variety of fires with extremely low concentrations of smoke, and to identify nuisances like dust that can cause false alarms and business interruption.

Match a Solution to Your Application

All Gamewell-FCI advanced detectors use our exclusive Velociti® high speed communication protocol providing brilliantly fast system response. The superior communication link between control panel and sensing device allows flexible configuration and logic control for unmatched performance across a broad range of applications. It is the most effective way to distinguish between a real emergency from a false alarm.

A choice of five advanced detection devices are available. Each is designed for applications where traditional photo, thermal or other smoke detectors just don't perform. The result? Less nuisance alarms, less interruptions, and better life safety protection.





4-Warn/CO Multi-Criteria Fire/Carbon Monoxide Detector

Hotel rooms, dormitories, nursing homes, day care facilities, medical facilities, financial trading areas



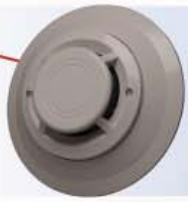
4-Warn Multi-Criteria Fire Detector

Theater/nightclubs, medical labs, processing plants, sports arenas, call centers, casinos, entertainment complexes, office buildings



Acclimate Multi-Criteria Detector

Flexible commercial spaces, kitchens, school classrooms, industrial facilities, office buildings



ASD-LS Laser Smoke Detector

Server rooms, clean rooms, record storage, traffic control centers, cell infrastructures, integrated circuit fabrications facilities



FAAST™ Fire Alarm Aspiration Sensing Technology

Data/telecomm facilities, hospitals/healthcare, cultural/history centers and museums, chemical labs, mission critical facilities

Advanced Detection



4-Warn/CO

- 4 Sensing elements Plus CO detection
- False alarm immunity
- Unique fire/CO reporting



4-Warn

- 4 Sensing elements
- Accurate sensing
- False alarm immunity
- 8 Sensitivity levels



Acclimate

- 2 Sensing elements
- Auto adjust sensitivity
- Rejects nuisance sources
- Heat only mode



ASD-LS

- Ultra high laser sensitivity
- Early warning
- Pinpoints fire location
- Monitors change



FAAST

- Very early warning
- Multi-source aspiration detection
- Quick environment adaptation
- Built-in email notification

A Full Range of Life Safety Products and Services

- Fire Alarm Control Panels
- Voice Evacuation Panels
- Emergency Communications Systems
- Advanced Detection
- Gas and Flame Detection
- Notification Appliances

Technology and Tradition

Gamewell-FCI, a part of the Honeywell Life Safety Group, (NYSE - HON) combines a long tradition of excellence in protecting life and property with an innovative approach to technology and a proven record of outstanding customer service. With its resources, expertise and experience, Gamewell-FCI is dedicated to staying one step ahead of the ever-increasing challenges of fire and life safety.

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by Honeywell

12 Clintonville Road Northford, CT 06472
Tel 203.484.7161 Fax 203.484.7118
www.gamewell-fci.com

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