Certified SIL 2 Capable Solutions for Hazardous Industrial Environments
A Customizable Fire and Gas Safety System

Flame Detection
1. X3310 Multispectrum IR Flame Detector—Detects hydrogen flames by using patented multi-spectrum processing algorithms. Has long detection range and superior false-alarm immunity. Available with HART option and is SIL 2-Capable.
2. X9800 Single Frequency IR Flame Detector—Detects hydrocarbon flames by correlating signals from both an ultraviolet (UV) sensor and an IR sensor. Disregards UV radiation sources such as arc welding and lightning. Available with HART option and is SIL 2-Capable.
3. X3800 Single Frequency IR Flame Detector—Detects IR radiation of hydrocarbon fires. Patented signal processing enables the detector to see fires while rejecting most false-alarm sources. Available with HART option and is SIL 2-Capable.
4. X2920 UVIR Flame Detector—Detects hydrogen flames by correlating signals from both an ultraviolet (UV) sensor and an IR sensor. Disregards UV radiation sources such as arc welding and lightning. Available with HART option and is SIL 2-Capable.
5. X2920 UV Flame Detector—Responds to more types of fires quickly and reliably by detecting the UV radiation emitted by most fires. Unique optical design ensures intolerable false alarms. Available with HART option and is SIL 2-Capable.
6. GT3000 Electrochemical Gas Detector with FlexVu® Universal Display—Continuously monitors combustible gas clouds in large open areas and measures in the LFL-meter range. Is a non-intrusive calibration.
7. Hydrocarbon Combustible Gas Detector with Display—Provides accurate point detection of combustible hydrocarbon gases. The IR sensor measures in the lower flammable limit (LFL) range. Provides continuous self-testing and is immune to most poisons. PIRECL is HART enabled, offers an HART option and is SIL 2-Capable.
8. UD10-DCU Universal Display—Provides display, output and control capabilities for the detector. The unit can be used with various 4-20 mA gas detection devices, with or without HART.
11. ULOD-DCU Universal Display—Provides display, output and control capabilities for the gas detector. The unit can be used with various 4-20 mA gas detection devices, with or without HART.
12. FlexSonic® Acoustic Gas Leak Detector—Monitors for the distinct ultrasound emitted by pressurized gas leaks across a wide spectrum of frequencies. Is a non-intrusive calibration.
13. Analog Input Module (AIM)—Provides eight flexible, independent 4-20 mA input channels that can be set as combustible gas mode or universal mode for 4-20 mA inputs from other gas detectors. May be used with X-Series flame detectors and is SIL 2-Capable.
14. Addressable Group Module—Provides a user-friendly, accurate interface to configure, monitor and maintain the safety system. Drivers available include Emerson® AMS™ and Open Platform Communications (OPC).
15. Local Operating Network/Signaling Line Circuit (LON/SLC)—Provides a fast, fault tolerant digital network that expands to meet future needs. Reliable communication is arranged as a loop that starts and ends at the LON controller.
16. Safety System Software (S)—Provides a user-friendly, accurate interface to configure, monitor and maintain the safety system. Drivers available include Emerson® AMS™ and Open Platform Communications (OPC).
17. Safety System Software (E)—Provides a user-friendly, accurate interface to configure, monitor and maintain the safety system. Drivers available include Emerson® AMS™ and Open Platform Communications (OPC).
18. Enhanced Discrete I/O Module (EDIO)—Supervises I/O. Provides eight channels of relay output points programmed for supervised operation.
19. Model HD Risk Area Heat Detector—Senses excessive heat or fire and can be used as an alarm device to warn personnel, or it can be used as a signaling device to sense fire and send a signal to an alarm panel for actuation of a fire suppression system.
20. DoxTronics® SmokeWatch™ US015 Explosion-Proof Smoke Detector—Suitable for hazardous, industrial and commercial applications. Is a Class 1 Division 1, 2 and Zone 1 explosion-proof rated smoke detector.

Surveillance
21. Relay Output Module—Provides eight channels of relay output points programmed for supervised operation.
22. Explosion-proof Camera—Provides real-time view of the monitored area. The camera and the flame detector both monitor the same area.
23. xWatch® Camera—Provides operator real-time view of the monitored area. The camera and the flame detector both monitor the same areas.

Comprehensive Support and Expertise
With over 40 years of systems design expertise, our dedicated project support personnel provide engineering services from the first conversation to future maintenance and support. Det-Tronics works with you from start to finish of your project and beyond.

- Project Definition
- Project Engineering
- Systems Integration
- Formal Training and Field Service