## FS24X Flame Detector

TheFS24X is the latest generation high technology Multi-Spectrum Triple IR (IR/IR/IR/Visible) Flame Detector, which is part of our FSX family of advanced technology Electro-Optical fire detectors. Using our patented* WideBand IR™, WideBand 4.3 micron IR™, and Visible detection technology, theFS24X is a quantum leap in flame detection. Sophisticated software algorithms and dual microprocessors ensure that theFS24X has the highest fire detection performance combined with optimal false alarm rejection.

The WideBand IR™ Infrared technology using high-speed solid-state Quantum sensors allows detection of all types of fires, hydrocarbon and non-hydrocarbon, in all weather conditions. If the detector's signal is blocked by ordinary window glass, the patented WideBand IR sensors will still alarm to the fire but at a reduced sensitivity and slower response time.

Dual microprocessors provide a high level of fail-safe operation combined with fast and reliable performance. The Master Microprocessor performs high-speed digital sampling and signal-processing calculations: while the slave microprocessor handles various sensor data, performs communications, self-diagnostics and provides interface versatility: and additional memory for storing Event Log and FirePic™ data..

TheFSX family of detectors feature our patented* FirePic data storage and information retrieval facility. FirePic™ records pre-fire data, which can be recovered from the Detector's non-volatile flash memory for post fire analysis and postulation of the fire cause. Additionally, unique Real-Time Graphing (RTG™) allows viewing of the data that the Detector actually sees. A combination of outputs makes theFS24X a truly versatile detector for today's demanding industrial requirements.

TheFS24X Flame Detector has a detection range greater than 200 feet (Very High Sensitivity setting) for the detection of a one square-foot Heptane reference fire and has a cone of vision far greater in volumetric coverage than any other Multi-Spectrum IR Detector. This means fewer detectors can be used as compared to other manufacturers' detectors.