VIKING®
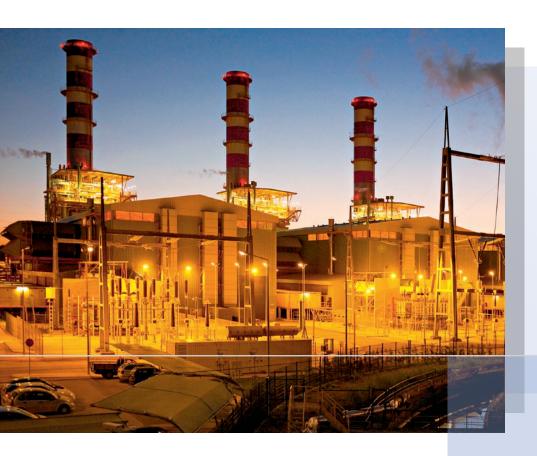
UniVario® Flame and Heat Detectors for Industrial Production Processes

Industrial Detectors for Every Risk and Environment

Viking Special Hazards

The Ultimate In Flexibility and Precision

UniVario® is a new generation of high-tech flame and heat detectors that operate flawlessly in the toughest of environments. We've placed intelligent, platform-based micro-processor controlled technology inside rugged enclosures to deliver performance even in contaminated or highly volatile and potentially explosive areas - indoors and out.

UniVario is easy to install, and can be quickly integrated into existing solutions for an affordable alternative to conventional systems. With features that eliminate false alarms by filtering out disturbances and ambient electronic discharges, UniVario is the answer to your most difficult fire protection challenges.

UniVario® FMX5000 IR: Three-channel Infrared Flame Detector with Three Way Optical Test

Despite the disturbance sources typical for industrial applications, the FMX5000 IR detects flames quickly and reliably. Hot machine surfaces, direct sun radiation, and welding operations are filtered by a special sensor combination and intelligent processing to avoid false alarms, while even the smallest flames of an emerging fire are reliably detected and signaled.

The FMX5000 IR is extremely fail-safe due to its three-way optical test, which monitors all three sensors and the optical detector window. All detectors in the series have major international approvals and local listings. The 3GD series also includes models approved for use in explosion hazard zone 2/22, and Class 1 Div 2. VdS, FM, and CSFM listed.

Applications
Tank fields and fuel storage / power plants / engine test benches / industrial plants / aircraft hangars / chemical storage and production plants / pump stations / printing operations / wood processing

UniVario® FMX5000 UV: Flame Detection with Special Responsiveness in the Ultraviolet Range

The FMX5000 UV reacts to optical radiation, making it perfect for areas where open flames are likely to develop quickly. It's a combination of early detection, high sensitivity, and reliability, with the lowest possible risk of false alarms from thunderstorms, hot surfaces, or strong solar radiation.

The detector is equipped with optical monitoring, and is suitable for use in explosion hazard zones 2/22, and Class 1 Div 2. VdS, FM, and CSFM listed.

Applications
Fuel tanks and tank farms / aircraft hangars / condenser stations (natural gas) / chip and semiconductor manufacture (saline) / machine tools (Mg/Al/Ti dry processing) / printing (solvents)

FMX5000 IR

FMX5000 UV

The Right Product for Every Explosion Hazard

Industrial environments are characterized by varying hazard areas. We've built flexibility into the UniVario series for adaptability to gas atmospheres and dusty environments.

- **Standard UniVario Models** are suitable for all applications without explosion hazards and can be easily converted to analogue addressable detectors.
- **3GD Series** detectors are suitable for applications in zones 2 (gas) and 2 (dust) Class 1 Div 2.

UniVario® WMX5000: Heat Detector with Stainless Steel Heat Sensor and Robust Modular Design

The WMX5000 is designed to detect open fires where temperature is increasing rapidly, such as in the case of highly combustible solids, liquids, and gases. It responds instantaneously to any rapid rise in temperature or immediately when a pre-programmed temperature is exceeded. With a number of installation options, it's suitable for monitoring rooms as well as processes. The robust design meets any industrial environment challenge, including indoor and outdoor risks and potentially explosion-hazardous areas.

Applications
Warehouses / production facilities / paint shops / hydraulic systems / transformers / waste incinerating plants / printing machines / fuel tanks / machine tools

UniVario® WMX5000 FS: A High Temperature Detector with A Rugged Decoupled Stainless Steel Heat Sensor

This heat detector is specially designed for temperatures of up to 1562°F/850° C, reliable even when subjected to extreme temperature fluctuations, heavy soiling, and aggressive conditions. A microcontroller monitors the function and analyzes temperature value, and alarm temperature and response behavior is programmable for a wide variety of applications. The 3GD Series high-temperature heat sensor is approved as a fire detector for use in explosion hazard zones 2/22 and Class 1 Div 2. VdS, FM, and CSFM listed.

Applications
Exhaust gas ducts / engine test benches / machine tools / chip and semiconductor manufacture (saline) / fiberboard presses (heat tunnels) / chemical production / dryers

WMX5000

WMX5000 FS

MKT-0103

■ **Relay Module**

The KMX 5000 RK relay module allows use in either stand-alone mode or in combination with any hazard detection and control system

■ **Service Tool SMX5000**

A tool for simple configuration, diagnosis, and function tests. It also reads detector internal memory.

■ **Installation Options and Components**
- Installation bracket
- Console
- Single hole installation
- *Much more…contact Viking for details*

SMX5000 Service Tool

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Trusted above all.™

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