

UniVario WMX5000 Heat Detector FS Heat Detector for High Temperature Ranges

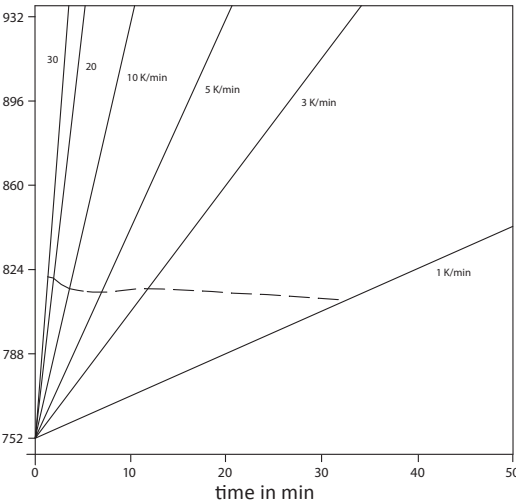
Fire Protection Systems

MINIMAX

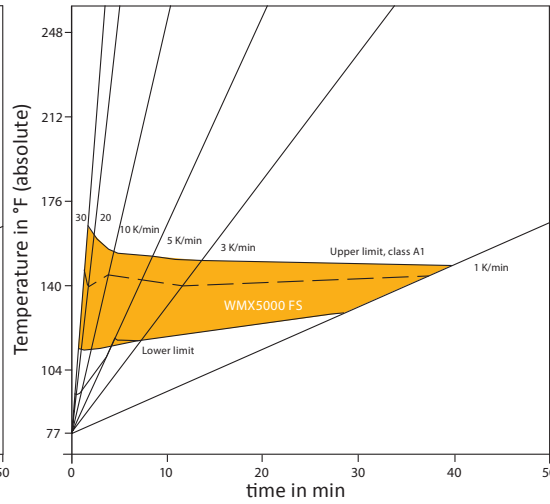
➤ Product ➤ Application + Advantages

- WMX5000 FS heat detectors detect a rise in temperature resulting from a fire and are specially designed for high temperature ranges of up to 1562 °F (850 °C).
- In addition to a maximum temperature reading, a quick increase in temperature can also be detected, resulting in early fire detection.
- Detection is carried out by a protruding sensor under constant monitoring.
- A microprocessor monitors the sensor and analyzes the data.
- All response classes and indices according to EN 54-5 can be configured on the WMX5000 FS as required.
- The casing is very rugged and specially designed for application in heavy industrial environments.
- Stainless steel heat sensor.
- LCD display can be connected if necessary.
- WMX5000 FS heat detectors are designed to detect open flames which cause a quick increase in temperature, e.g.:
 - flammable liquids and gases
 - highly flammable solids
- Designed for use in heavy industrial environments with high temperatures.
- Potential areas of application:
 - Exhaust gas ducts
 - Engine test blocks
 - Machine tools
 - Fibreboard presses
 - Chemical production
 - Drying systems
- They can be used in ex-zones 2 and 22.
- + Heat detector for a wide range of applications in the industrial field with a response temperature of up to 1562 °F (850 °C).
- + Microprocessor-controlled monitoring of the heat sensor, software and hardware.
- + Early fire detection with low risk of false alarms.
- + Application-specific configuration of signal processing.
- + Supervising typical disturbance variables using intelligent evaluation algorithms.
- + High electromagnetic tolerance.
- + Different installation options.
- + Protruding heat sensor for flexible installation.
- + High degree of protection (IP 67), oil-tight, impact and vibration-resistant.
- + Optional upgrades:
 - Communication module for use as a ring bus detector
 - Relay module with floating contacts for disturbance and alarm
- + Comprehensive service options.

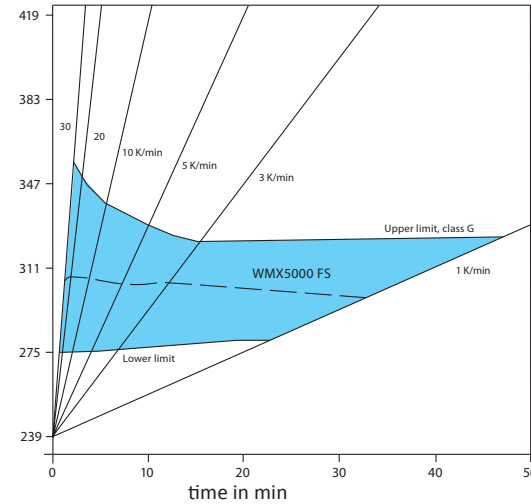
Sample application of a heat detector which can be adjusted to meet the requirements of a customer.



--- WMX5000 FS response behaviour at the threshold temperature of 435 °C



■ Stipulated alarm range according to EN 54-5 class A1
--- WMX5000 FS response behaviour



■ Stipulated alarm range according to EN 54-5 class G
--- WMX5000 FS response behaviour

- The UniVario WMX5000 FS is an innovative, intelligent fire detector which, due to its modular concept, can be tailored to meet the unique demands of individual applications based on a uniform platform.
- As the first high-temperature heat detector suitable for industrial use, the UniVario WMX5000 FS can be integrated into an Apollo bus system because of the optional UniVario KMX5000 AP communication module. Individual alarm identification and parameterization is therefore possible.

- The large range of power supply and an optional module with relay contacts enable the stand-alone mode and application in different danger alarm or control units.
- Because it requires minimal energy, ultra thin cables can be used and multiple sensors can be placed along one line.
- Converting from limit mode to ring bus mode is achieved by installing a communication module – there is no need to switch cables.

- The protruding thermoelectric alarm sensor can be mounted flexibly or as a sensor rod.
- The threshold temperatures and differential response can be configured according to specific requirements.
- The optional LCD display simplifies the function checks and monitoring operating conditions.
- A service device to simplify configuration, diagnosis, function checks and data archiving is available.

Technical data

Type	Features	Response threshold	Temperature range of operation	Type of protection	External display	Approval
UniVario WMX5000 FS	High-temperature detector Protruding sensor, functions monitored	Response class according to EN 54-5 A1, A2, B, C, D, E, F, G Indices according to EN 54-5 S, R	-4 °F to 176 °F -20 °C to +80 °C	IP 67	Can be connected	VdS G207091 EN 54-5 class DS, GS
UniVario WMX5000 FS 3GD	Alarm/disturbance and function LED Optional upgrades: - Communication module ring bus - Relay module Can be configured according to your needs Service interface Data storage Power supply 7.6 V to 30 V DC	Adjustable between the alarm temperatures of 32°F (0 °C) and 752 °F (400 °C) (Special models up to 1562 °F, 850 °C) with a service device				ATEX zone 2/22 FM approval

Subject to technical modifications

Minimax USA LLC
4030 E. Quenton Drive Suite 112
Mesa, AZ 85215

Tel. 888.882.0191
Fax 480.553.5701
sales@minimaxfp.com
www.minimaxusa.com

