

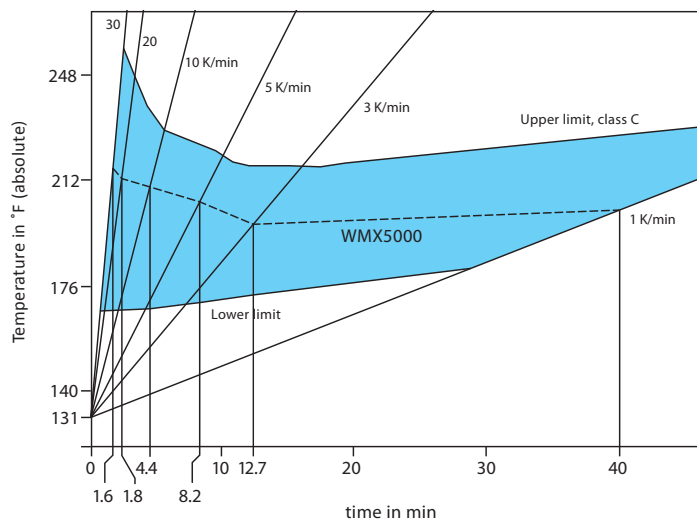
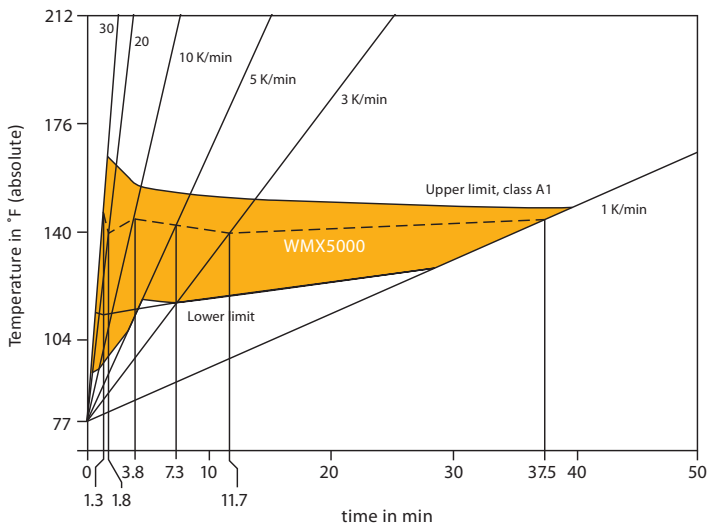
UniVario WMX5000 Heat Detector The New Industrial Standard

Fire Protection Systems

MINIMAX

> Product > Application + Advantages

- > The WMX5000 industrial heat detector detects a rise in temperature from a fire.
- > Dramatic increases in temperature are also detected, resulting in early fire detection.
- > The A1, A2, B and C response classes and the S and R indices according to the EN 54-5 can be configured on the WMX5000 as required.
- > A microprocessor is included to analyze the data.
- > Constantly monitored alarm sensor.
- > The housing is rugged and specifically designed for challenging industrial environments.
- > Stainless steel heat sensor.
- > A quick release mounting attachment makes the WMX5000 well suited for installation on ducts.
- > WMX5000 heat detectors are designed to detect open flames which cause a sharp increase in temperature, e.g.:
 - flammable liquids and gases
 - highly flammable plastics
- > It is designed to be used in outdoor and in indoor industrial environments.
- > Potential areas of use:
 - Production halls
 - Painting facilities
 - Transformers
 - Printing presses
 - Incinerating plants
 - Machine tools
 - Channel monitoring
 - Process industry
- > They can be used in ex-zones 2 and 22.
- + 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.
- + 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.
- + Stainless steel sensor.



Stipulated alarm range according to EN 54-5 class A1

Stipulated alarm range according to EN 54-5 class C

--- WMX5000 response behavior

--- WMX5000 response behavior

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

- The large power supply and an optional module UniVario KMX5000 RK 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 simply installing a communication module – there is no need to switch cables.

- The threshold temperatures range from 32 °F (0 °C) to 194 °F (90 °C). The response class and differential and static response can be programmed according to your needs.
- Accessible connections and a standard clamp simplify installation of all products.
- A service unit is available to simplify configuration, diagnosis, function checks and data archiving.

Technical Data

Type	Features	Response threshold	Temperature range of operation	Type of protection	External display	Approval
UniVario WMX5000	Sensor monitored function Alarm/disturbance and function LED Optional upgrades: - Communication module - Relay module Can be configured according to your needs Service interface Data storage Power supply 7.6 V to 30 V DC	Response classes according to EN 54-5 A1, A2, B, C, D* Indices according to EN 54-5 S, R Adjustable between the alarm temperatures of 32 of (0 °C) and 194 of (90 °C) 221 of* (105 °C*) with service unit	- 4 of to 176 of - 20 °C to +80 °C	IP 67	Can be connected	VdS G207090 EN 54-5 class A1, A1S, A1R, A2, B, C ATEX zone 2/22 FM approval

*Only the WMX5000 with single-hole installation
 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

