



# Industrial Detectors

## Thermal Detection - UniVario Heat Detector, Ex

### WMX5000 3GD



#### Product features

- Robust stainless steel heat sensor
- Freely configurable response temperatures and classes in accordance with EN 54-5, along with rate-of-rise and static responses. Setting via DIP switches on the detector or SMX5000 service device
- Service interface, history memory
- Connection of remote indicator possible
- For use in Ex zones 2 and 22, ATEX category 3 Gas/Dust

#### Technical specifications

Detection method	NTC sensor
Response classes	A1, A2, B, C, indices S, R
Response temperatures	0 °C to +90 °C (+32 °F to +194 °F)
Operating voltage	7.6 V - 30 V DC
Quiescent current	approx. 0.15 mA
Alarm current consumption (without quiescent current)	approx. 15 mA
Alarm indication	1 red LED
Normal operation indication	1 green LED, flashing
Fault indication current	approx. 15 mA
Fault indication	1 yellow LED (2nd line)
Operating temperature	-20 °C to +80 °C (-4 °F to +176 °F)
IP rating (EN 60529)	IP 66/67
Enclosure material	Diecast aluminium
Relative humidity (IEC 721-3-3)	max. 95% no condensation
Specification according to	EN 54 Part 5
Weight	520 g (1.2 lbs)
Dimensions	130 x 84 mm (dia.xH) 5.1 x 3.3 inch (dia.xH)
Performance Level acc. to ISO 13849	d

### Part no.: 907268

The WMX5000 3GD heat detectors are ATEX-approved for category 3, gas and dust, and are suitable for use in Ex zones 2 and 22. They are designed to detect open fires with rapid rise of temperature, e.g.:

- Flammable liquids and gases
- Highly flammable plastics

They are designed specifically for operation in dirty industrial environments, both indoors and outdoors. In addition to stated temperature detection, rapid rises in temperature can also be registered by the rate-of-rise method, for early fire detection. Equipped for operation as a conventional detector. Extension to a detector with Loop AP protocol via the KMX5000 AP communication module.

#### Optional accessories

Remote indicator	908499
KMX5000 AP communication module	905883
Relay module KMX5000 RK 3GD	925999

#### Not included in delivery

UniVario base	
Bracket MX5000	904757
Terminating resistor 1.8 K / 0.5 W	675235

#### Connection / mounting

Connection cable standard detector	2-wire
Additional fault line connection	2-wire
Remote indication	2-wire
Recommended cable	JY (St) Y 2x2x0.8 mm (0.03 inch)
Conductor cross-section	max. 2.5 mm <sup>2</sup> (AWG 13)

#### Approvals / marking

Type examination certificate: BVS 07 ATEX E 156  
 Ex conformity Russia in acc. with TP TC 012/2011  
 Ex approval in acc. with NEC 500/505

Brand	Designation	Order no.	Approvals / marking
Minimax	WMX5000 3GD MX	928444	
	WMX5000 3GD MX SF (silicone-free)	928445	
Viking	WMX5000 3GD VK	928446	
	WMX5000 3GD VK SF (silicone-free)	928447	