Industrial Detectors

Thermal Detection - UniVario Heat Detector

WMX5000

Product features

- Robust stainless steel heat sensor, resistant against impact and vibration

- Freely configurable response temperatures and classes in accordance with EN 54-5, along with rate-of-rise and static responses. Configuration via DIP switches on the detector

- Service interface, history memory

- Connection of remote indicator possible

Part no.: 905441

The WMX5000 heat detectors 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 polluted industrial environments, both indoors and outdoors. In addition to static temperature detection, rapid rises in temperature can also be registered by the rate-of-rise method, for early fire detection. Designed for operation as a conventional detector. Expansion to a detector with Loop AP protocol via KMX5000 AP communication module.

Optional accessories

Remote indicator	908499
Weather protection MX5000 complete	910134
KMX5000 AP communication module	905883
Relay module KMX5000 RK	906361

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 mm² (AWG 13)

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	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 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

Brand	Designation	Order no.	Approvals / marking
Minimax	WMX5000 MX	928309	VdS G 207090 CE 0786-CPR-20280 FM APPROVED TP RU SBSC INTYGAD PRODUKT
	WMX5000 MX SF (silicone-free)	928310	
Viking	WMX5000 VK	928311	VdS G 207090 CE 0786-CPR-20280 FM APPROVED
	WMX5000 VK SF (silicone-free)	928312	

VIKING