



Industrial detectors

Thermal detection - UniVario High temperature heat detector FS

WMX5000 FS 850°C (1562 °F)



Part no.: 906454

The WMX5000 FS high temperature heat detectors have been specially designed for operation in industrial environments with aggressive media and very high application temperatures in the monitoring area. For example in exhaust ducts, engine test stands or machine tools. In addition to fixed 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.

Product features

- Robust stainless steel heat rod sensor
- 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

Technical specifications

Detection method	PT100-sensor
Response classes	A1, A2, B, C, D, E, F, G, indices S, R
Response temperatures	250 °C to +840 °C (+482 °F to +1544 °F)
Operating voltage	7.6 V - 30 V DC
Quiescent current	approx. 0.35 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	-40 °C to +80 °C (-40 °F to +176 °F)
IP rating (EN 60529)	IP 66/67
Enclosure material	Diecast aluminum
Relative humidity	max. 95% no condensation
Specification according to	EN 54 Part 5
Weight	520 - 1600 g (1.2 - 3.5 lbs)
Dimensions	130 x 150 - 130 x 1500 mm (dia. x H) 5.1 x 5.9 x 59.1 inch (dia. x H)

Optional accessories

Remote indicator	908499
KMX5000 AP communication module	905883
Relay module KMX5000 RK	906361
Silicone-free design	

Not included in delivery

UniVario base	
Single hole mounting fixture	800034
Single hole mounting tool	800388
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 ² (AWG 13)

Note

The desired length of the sensor rod must be specified in millimeters at the time of placing the order.

Approvals / marking

