



Industrial detectors

Optical detection - UniVario IR flame detector

FMX5000 IR



Part no.: 907481

Triple IR flame detector for the detection of typical fires. Including 3 channel optic test monitoring all functional characteristics of detector. Designed for use in rough industrial environments. Equipped for operation as a conventional detector. Expansion to a detector with Loop AP protocol via KMX5000 AP communication module. New uniform optics.

Technical specifications

Detection method	3 IR Sensors
Sensitivity class	adjustable x (50 m (164 ft)) 1, 2, 3
Viewing angle	90°
Operating voltage	7.6 V - 30 V DC
Quiescent current	2.3 mA
Alarm 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
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 10
Weight	820 g (1.8 lbs)
Dimensions	100 x 50 mm (dia. x H) 3.9 x 2 inch (dia. x H)

Product features

- High degree of immunity against false alarms, e.g. from hot surfaces or sunlight
- A microcontroller monitors the functionality and analyses the recorded data. Faults can be indicated on the detector or on a separate line
- Service interface, history memory
- Connection of remote indicator possible
- 3-channel optic test

Optional accessories

Remote indicator LMX5000	908499
Weather protection MX5000 complete	910134
Relay module KMX5000 RK	906361
KMX5000 AP communication module	905883

Not included in delivery

UniVario Base	
Bracket MX5000	904757
Bracket MX5000 SF	914234
Terminating resistor 1.8 K / 0.5 W	675235

Connection / mounting

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

Brand	Designation	Order no.	Approvals / marking
Minimax	FMX5000 IR MX	922838	 G 209141  0786-CPR-20784  
	FMX5000 IR MX SF (silicone-free)	922814	
Viking	FMX5000 IR VK	922819	 G 217027  0786-CPR-20784  
	FMX5000 IR VK SF (silicone-free)	923356	