

922819 IR flame detector FMX5000 IR VK



Flame detectors are used to detect open flames indoor and outdoor. They respond to the light emitted from flames during combustion. Flame detectors are especially suitable for smokeless liquid and gas fires not visible for the naked eye as well as for fires of materials that contain carbon with strong smoke emission. Typical areas of application are large industrial warehouses, airplane hangars, chemical facilities, oil refineries, machine rooms, ferries and freight ships, power plants, printing plants, wood warehouses, subway tunnels.

Regulatory information

Region	Regulatory compliance/quality marks	
Europe	CE	922819 IR flame detector FMX5000 IR VK
Ukraine	DCS	UA.CRT.00174-21 922819 IR flame detector FMX5000 IR VK
Europe	DOP	922819 IR flame detector FMX5000 IR VK
USA	FM	US_FM_922819 IR flame detector FMX5000 IR VK
Germany	VdS	G 217027 922819 IR flame detector FMX5000 IR VK
	VdS	G 221020 929144 Relay module KMX5000 RK VK



- ▶ 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

Parts included

Quantity	Component
1	922819 IR flame detector FMX5000 IR VK

For the operation of the flame detector, following accessories must be ordered:

- 929144 Relay module KMX5000 RK VK
- 924441 Socket MX5000 VK

Technical specifications

Electrical

Auxiliary current (mA) (flame detector+relay module)	17 mA – 46 mA
Operating voltage (VDC)	7.6 VDC – 30 VDC

Mechanical

Dimensions (Ø x H) (mm)	100 mm x 50 mm
LED color	Red; Yellow; Green
Material	Aluminum
Weight (g)	820 g

Environmental

IP rating	IP66; IP67
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Operating relative humidity, non-condensing (%)	95%
Operating temperature (°C)	-40 °C – 80 °C
Specification according to	EN 54 Part 10

Operation

Detection angle (°)	90°
LED indication	Multi-color
Optical indication	LED
Sensitivity class	Adjustable x (50 m) 1, 2, 3
Range	Class 1: 0.1 m ² n-heptane at 25m Class 2: 0.1 m ² n-heptane at 17m Class 3: 0.1 m ² n-heptane at 12m

Ordering information

922819 IR flame detector FMX5000 IR VK

Triple IR flame detector for the detection of typical fires

Order number **922819** | **F.01U.418.818**

Accessories

929144 Relay module KMX5000 RK VK

Relay module for the operation of the FMX5000 IR VK flame detector

Order number **929144** | **F.01U.418.821**

924441 Socket MX5000 VK

Socket for the FMX5000 IR VK and FMX5000 IR 3GD flame detectors

Order number **924441** | **F.01U.418.824**

904757 Bracket MX5000

Mounting bracket for the MX5000 flame detector socket

Order number **904757** | **F.01U.418.826**

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
www.boschsecurity.com/xc/en/contact/
www.boschsecurity.com

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Tel.: +49 (0)89 6290 0
Fax: +49 (0)89 6290 1020
de.securitysystems@bosch.com
www.boschsecurity.com

North America:
Bosch Security Systems, LLC
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
onlinehelp@us.bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
www.boschsecurity.com/xc/en/contact/
www.boschsecurity.com