

MIC-200-IR3 Triple-Infrared Flame Detector

MIC-200-IR3

A triple-infrared flame detector designed to identify fire radiation while reducing interference-related alarms.

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Triple-infrared flame analysis

MIC-200-IR3 uses three narrow-band infrared sensors and optical filtering to identify flame radiation, including the carbon-dioxide emission band associated with hydrocarbon fires. The multi-band arrangement is designed to improve discrimination from non-fire infrared sources.

Microprocessor-based analysis, sensitivity settings, fault self-diagnostics and adjustable mounting support operation.

Technical data

Ingress protection	IP66
Weight	Approx. 2 kg
Operating temperature	-20 °C to 55 °C - Typical operating range.
Dimensions	280 × 151 × 110 mm (L × W × H)
Sensor configuration	3 infrared sensors
Detection distance	15-50 m depending on the target medium and test fire
Response time	1-10 s depending on the target medium
Field of view	Infrared >90°
Power supply	24 V DC
Output options	4-20 mA, RS485 Modbus RTU and two relays standard; HART 7 and 4G optional
Sensitivity	Five levels, configurable by remote control
Operating humidity	≤95% RH, non-condensing
Explosion marking	Ex d IIC T6 / DIP A20 TA,T6

Communication and positioning options

Interface	Availability	Notes
RS485	Standard	
HART	Optional	
4G	Optional	

Document scope

This summary records the approved model data shown on the product page. It is not an operating manual, installation approval or certificate. Review the applicable certificate record and exact model or configuration scope separately. Request the operating instructions for the supplied configuration before installation or use.

Product information and inquiry: <https://www.eranntex.com/products/mic-200-ir3/>