

MIC-200-IR4 Four-Infrared Flame Detector

MIC-200-IR4

A four-infrared flame detector for industrial applications with complex infrared interference.

Revision TS-20261008-0324b947 | Prepared 2026-10-08 from approved product data

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Four-band infrared flame detection

MIC-200-IR4 uses four narrow-band infrared sensors and optical filtering to detect flame radiation. The optical system is sensitive to the carbon-dioxide emission spectrum at 4.4 micrometres.

The four-infrared arrangement uses microprocessor-based signal processing. Sensitivity and delay settings, fault self-diagnostics and adjustable mounting support deployment.

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	4 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-ir4/>