

MIC-1000-Ex Explosion-Protected Gas Alarm Controller

MIC-1000-Ex

An explosion-protected gas alarm controller with one 4-20 mA input as standard, expandable to eight, plus up to 128 RS485 detector inputs.

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Explosion-protected gas alarm control

MIC-1000-Ex receives 4-20 mA and RS485 signals from compatible gas detectors in hazardous-area monitoring systems. The standard controller uses one 4-20 mA input, four control relay groups and one common output. Higher input counts and expanded relay, analog, wireless and Ethernet functions are selected for the project.

Gas alarm control for hazardous-area installations

MIC-1000-Ex offers Chinese, English and Russian interface-language options. Remote firmware updates and remote detector control are also documented capabilities; confirm their availability and network setup for the selected configuration.

Technical data

Dimensions	600 × 400 × 270 mm (L × H × W)
Operating temperature	-20 °C to 70 °C
Display size	3.5 in
Data storage	100,000 records
Signal input	1 channel of 4-20 mA input standard; expandable to 8 channels, with up to 128 RS485 inputs
Signal output	RS485 Modbus standard; 4-20 mA, 4G, 433 MHz, LoRa, Zigbee and Ethernet outputs are optional
Display range and resolution	0-99999; selectable resolution of 1, 0.1, 0.01 or 0.001
Display accuracy	±0.1% FS
Relay output	Four control relay groups plus one common output standard; expanded relay configurations are optional
Power supply	180-240 V AC, 50/60 Hz
Backup power	24 V, 5 Ah optional
Installation	Wall mounted
Maximum power consumption	Less than 15 W

Communication and positioning options

Interface	Availability	Notes
RS485	Standard	
4G	Optional	
LoRa	Optional	
Zigbee	Optional	
Ethernet	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-1000-ex/>