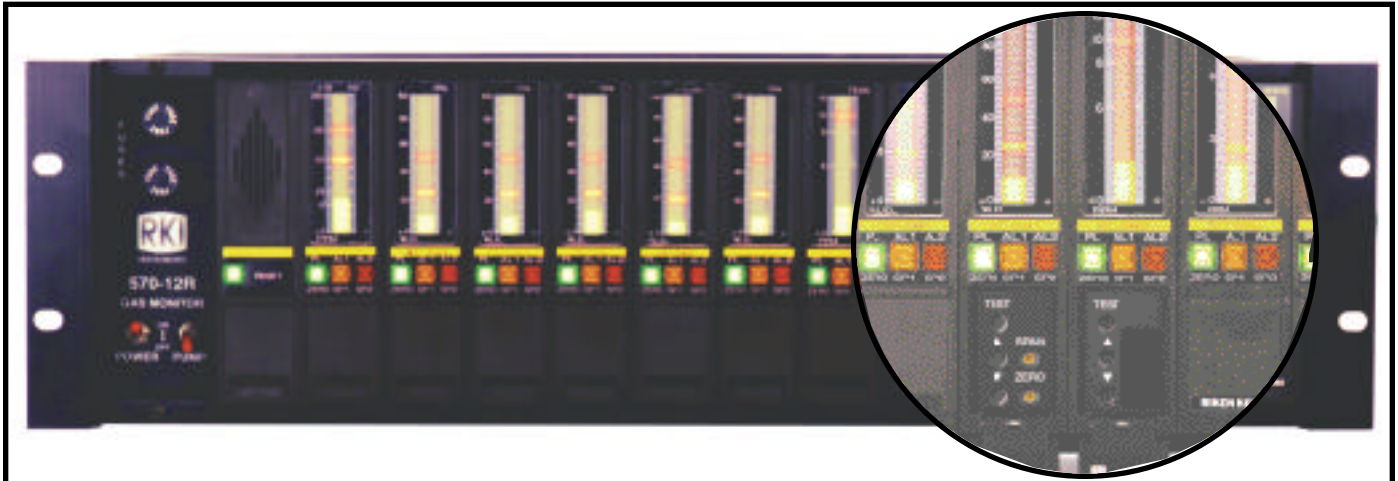




12 CHANNEL RACK MOUNT SYSTEM

Gas Detection For Life

RM-570-12R Model



Features

- Simultaneous readout of 12 channels
- 2 alarm levels per channel
- Zero correction and stabilizing software eliminates sensor drift
- Discrete and common programmable relays
- 4-20 mA outputs
- Receives a wide variety of sensors
- Accepts any 4-20 mA transmitter input powered from 24 VDC
- Input voltages: 115 / 220 VAC or 12 VDC
- Relays rated 2 amps
- Standard 19" rack mount

Industry Applications

- Semiconductor Fabrication Plants
- Petrochemical plants
- Refineries
- Water & wastewater treatment plants
- Pulp & paper mills
- Gas, telephone, & electric utilities
- Parking garages
- Manufacturing facilities
- Steel
- Automotive
- HVAC

The RM-570-12R is a versatile fixed system controller that can be customized to meet your specific gas detection needs. It is a more compact, rack mounted design of the original field proven RM-570/580 series of controllers.

The RM-570-12R is housed by a rack mounted chassis that can easily be installed in a standard 19 inch rack and expanded from a single channel of detection to a system with hundreds of sensors. The standard 19 inch rack mounting assembly can accommodate 12 channels in a single row. The gas concentrations are shown in a highly visible, three color bar graph. The color changes once the alarm set points are activated. The two alarm set points are also continuously shown on each module display. Two alarm relays per channel make the RM-570 ideal for a wide variety of gas monitoring applications.

The readout modules are easily installed by simply sliding them into the enclosure.

The RM-570-12R provides additional versatility to the well proven RM-570/580 series, which is already protecting lives and property in over 90,000 points of gas detection worldwide.

RM-570-12R Model

Physical

Dimensions	Height:	6.9"	175 mm
	Width	19.0"	483 mm
	Depth	12.0"	305 mm
Enclosure	Standard 19" rack mount housing up to 12 channels		
Wiring Termination	Screw type terminal block 12 gauge max.		

Environmental

Operating Temp	32°F to 104°F (0°C to 40°C)
Storage Temp	32°F to 104°F (0°C to 40°C)
Relative Humidity	0 - 95% RH non-condensing
Enclosure Rating	Installs into standard 19" rack.

Inputs

Sensor Types	Many different sensor types can be used with the controller, including catalytic, semiconductor, galvanic, electrochemical, and others.
4-20 mA	Accepts any 4-20 mA transmitter (24 VDC, 2 or 3 wire, 250 mA max standard). A wide variety of RKI/Riken sensors are available with 4-20 mA signals (see List Of Detectable Gases). Wiring distances up to 5,000 feet.
Zero Correction	Programmable zero correction and stabilizing software effectively eliminates sensor drift.
Sampling Methods	Diffusion and sample draw heads available.

Outputs

Relays 3 relays per channel - (Alarm 1, Alarm 2, and Fail)
2 common relays - (Alarm 1, Fail)
Single pole, double throw (SPDT) isolated contacts
Rated - 250 VAC to 2A
Relays fully programmable for:
increasing or decreasing latching or self reset normally energized or normally de-energized time delay for alarm on.

4-20 mA	Separate current or voltage outputs for each of the 12 channels; non-isolated, 4-20 mA(into 500 ohms impedance max).
24 VDC	Switched 24 VDC output (or 115 VAC optional) provided to operate sample drawing adapters.
Audible	Internal mounted buzzer, 94 db.
Visual	LED multicolor bar graph with separate LED's for alarm 1, alarm 2, and pilot. Peak hold programmable.

Power

115 VAC standard
Optional - 230 VAC or 24 VDC
Battery Backup option available

Controls

2 front mounted potentiometer adjustments per module for internal amp versions.
3 push buttons for alarm set.
1 push button per rack for alarm silence.

Warranty

Two years materials and workmanship.

Specifications subject to change without notice.

Made in the USA

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