

# RACK MOUNT CONTROLLER

FIRE / TOXIC / COMBUSTIBLE

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## RM2 (RACK MOUNT 2-CHANNEL CONTROLLER) ANALOG & RELAY SPECIFICATIONS\*

Operating Voltage	10.5 V dc to 32 V dc
Power Consumption 12 V dc	nominal 150 mA/250 mA (1.8 W / 3.0 W) de-energized / energized maximum 290 mA/3.48 W
Power Consumption 24 V dc	nominal 80 mA/130 mA (1.92 W / 3.12 W) de-energized / energized maximum 160 mA/3.84 W
Operating Temperature	-40°C + 80°C (-40F to +176F)
Humidity Range	0-100% relative humidity, non-condensing
Chassis Material	16 gauge steel / powder coated
Weight	2 lbs (0.9 kilograms)
Certification	CSA and NRTL/C for hazardous locations. Class 1, Division 2, Groups A, B, C and D. Factory Mutual (FM) certified to Class 3260 for performance in fire alarm systems (pending).
Current Outputs-2 channel	4 to 20 mA - Into a maximum loop impedance of 800 Ohms at 32 V dc or 150 Ohms at 10.5 V dc. Isolated or non-isolated loop supply.
Relay Output- 5 relays	Form C contacts rated 5 Amps at 30 V dc / 250 V ac. Selectable energized / de-energized, latching / non-latching, N.O. or N.C. Fault relay fixed as energized, non-latching.

\* Modbus RTU configuration also available. Contact factory.

## ORDERING INFORMATION

When ordering, please specify channel type and channel configuration. Part numbers are as follows with F=Fire, C=Combustible, T=Toxic.

RM2-AR-CC RM2-AR-CF RM2-AR-CT  
 RM2-AR-FC RM2-AR-FF RM2-AR-FT  
 RM2-AR-TC RM2-AR-TF RM2-AR-TT

Optional Event Logging (EL) available (password required for activation). Example: RM2-AR-FF-EL (both channels Fire with Event Logging option).

\*Specify channel combinations when ordering.

## COMPATIBILITY

The following Net Safety detectors are fully functional with the RM2 System:

### Fire Detectors

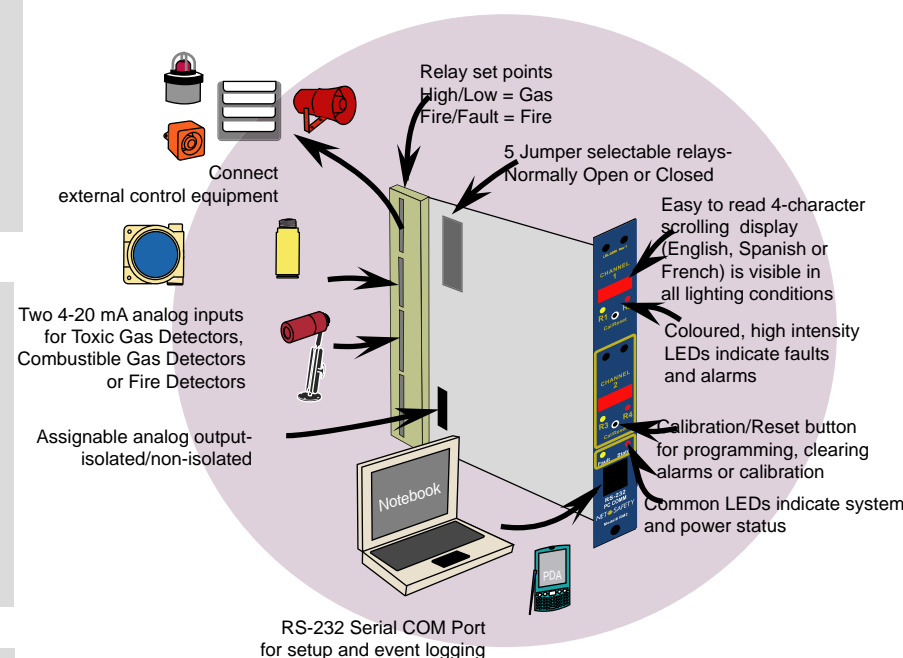
IR3S-A (Triple Infrared detector)  
 IRS-A (Infrared detector)  
 UVS-A (Ultra-violet detector)  
 UV/IRS-A (Ultra-violet/Infrared detector)

### Combustible and Toxic Gas Detectors

Millennium Controller Series  
 Uni-Tran Controller Series  
**Toxic Gas Sensor / Transmitters**  
 ST Toxic Sensors Series

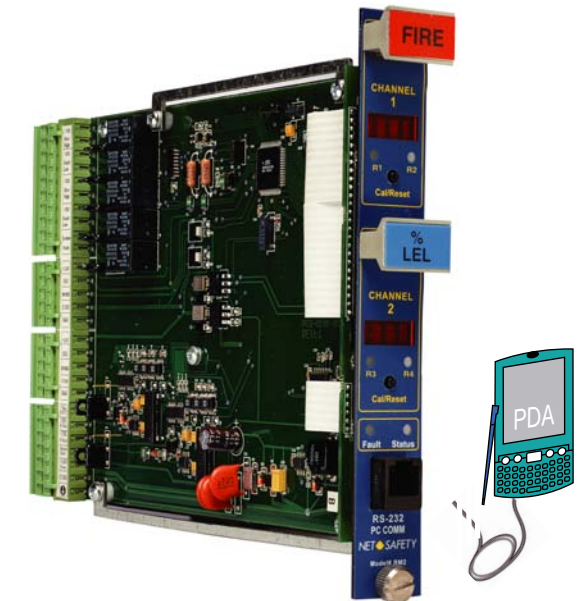
## ACCESSORIES

Communication Kit RM2-COM-KIT  
 Rack Mount Cage CAGE 2, 4,8,12,16  
 Blank Filler Plate BFP



# RM2 MILLENNIUM

The Millennium RM2 is a 2-channel rack mount controller designed to offer you the ultimate in control and versatility! Create the monitoring system to suit your installation requirements by combining any two of Net Safety's Fire detectors, Toxic gas sensors or Combustible gas transmitters. Now you can save money and safeguard your installation against a variety of potential hazards or cover multiple zones with a single monitoring device.



:\_UVaV\_UV\_e4YR\_VJd

The RM2's independent channels eliminate the standard industry limitation of monitoring only fire OR only gas by adding a new level of flexibility—combining Fire AND Gas detection! The RM2 functions as the centralized display and alarm point for any combination of two independent Fire and Gas detectors, expanding both your zone and hazard protection.

TjVi ZSjV 4` \_VXkf dReZ \_

Setup, operate, monitor and maintain the RM2 using the Front Panel Push button or connect a PC or even PDA via the serial communications port. Either way, you decide HOW and WHERE you operate the RM2. The RM2 contains custom designed software and a number of user programmable options to configure the RM2 to exactly suit your needs—in the field—on demand!

:\_Wc^ ReZ \_ 2dRfXJR\_TV

The RM2 is designed to make operation and maintenance simple—without compromising safety or reliability! Specifically designed with end user input, the RM2 shows you what you need to know quickly and easily. Each channel has its own clearly visible display with helpful prompts to guide you through setup and maintenance tasks. Bright LEDs visually indicate warnings and alerts for each input channel and the RM2 circuitry.

2f e ^ ReZ EdRTV\_Z\_X

The Event Logging feature securely stores in protected RAM up to 1000 events. This optional feature is an extremely valuable diagnostic reference—automatically listing the date, time, channel, detector type and the associated alarm, fault or calibration event. Highly useful information for developing maintenance schedules or performing troubleshooting and sequence of events analysis.



CVUf TVU @aVdReZ\_X 4` ded

False alarms cost \$\$\$! With the RM2's independent channels, activity on one channel does not affect the other channel so a variety of tasks and activities can be performed without initiating false alarms. Use the unique LowPower feature to reduce power consumption where and when you need it! And, the RM2's superior functional design decreases the time necessary to perform most routine operational and maintenance tasks—saving you money!



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