



# CONTEG DATA SHEET

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COMPLEMENTARY SYSTEMS

## RACK MONITORING SYSTEM

**RAMOS**  
*Mini*



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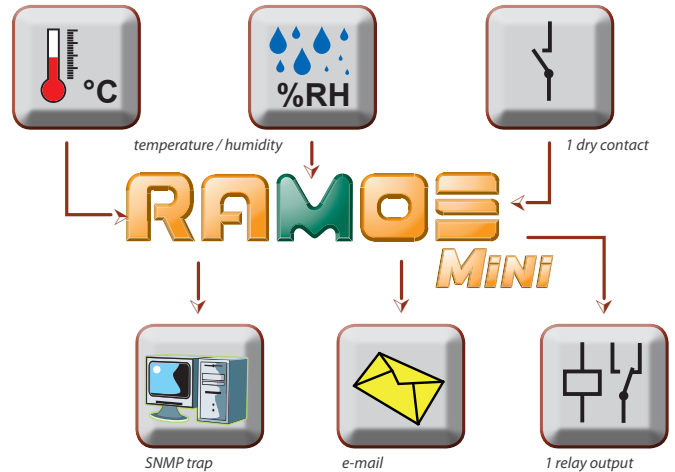
# RACK MONITORING SYSTEM - RAMOS Mini

*The RAMOS (RACK MONitoring System) is designed to be deployed within a rack to monitor its internal and external environment. As a network attached device, the RAMOS can report the status of sensors deployed in and around racks to any location worldwide and using SNMP traps can integrate with any network management software such as HP OpenView.*

**RAMOS Mini** – supports up to two sensors (temperature or humidity) and additionally one dry contact so that other detectors, for example flood detector or door contact can be monitored. It has the ability to control an external equipment, such as automatic door handlers and electronic locks (with external power supply), PowerBox or other different equipment.

## DESCRIPTION:

- 1 output (relay switch contact)
- 1 dry contact input
- Up to 2 temperature or humidity sensors
- For sensors (up to 10 meters) standard phone switches, cables, and RJ11 or RJ12 connectors can be used
- Contact switching can send e-mail or SNMP trap to several recipients
- No specialized SW necessary, simple RAMOS Setup utility
- Possibility to connect to every building monitoring system in the industry, IT and networks
- Support and plug-in modules for many NMS applications (LoriotPro, Nagios, SNMPc, HP OpenView, IBM Tivoli, MRTG and others)
- Built-in graphic web interface for configuration and value monitoring
- 1 RAMOS Mini unit can monitor up to 3 external sensors (1 contacts, 2 sensors on a bus)
- 1 RAMOS Mini unit can control one output (relay switch contact up to 50V DC or voltage output for external relay)
- Each sensor has its own unique ID
- Warning of alarm state over email, SNMP trap, SMS (over SW – 3rd party)
- Two alert ranges per each sensor
- Open communication protocols (web, email, SNMP, XML)
- Security: password, IP addresses range
- Graph view available with 255 data points



Code	Sensors	Input	Output
RAMOS Mini	up to 2	1	1

## ACCESSORIES for RAMOS Mini only

Code	Description
RMS-ST-02	1-Wire Temperature sensor on a 3 meter long cable with RJ12 connector
RMS-ST-04	1-Wire Temperature sensor, rack mounting kit, 3 meter long cable, 2x RJ12 connector
RMS-ST-05	1-Wire Temperature OUTDOOR sensor on a 3 meter long cable with RJ12 connector
RMS-SH-02	1-Wire Humidity sensor, 3 meter long cable, RJ12 connector
RMS-STH-02	One wire temperature and humidity sensors, rack mounting kit, 3 meter long cable, 2x RJ12 connector
RMS-DE-01	Optical smoke detector with relay output <sup>1</sup>
RMS-DE-02	PIR motion detector <sup>1</sup>
RMS-DE-04	Flood detector <sup>2</sup>
RMS-DE-05	Broken glass dual detector <sup>1</sup>
RMS-CON-04	Hub for connecting of 2 sensors to 1-Wire bus
RMS-MK-01	Magnetic contact, fixing bracket (universal mounting) and connection accessories included, VdS G, 2,5 m
RMS-PWR-01	PowerBox, remote switching external devices up to 230V/10A, power detection feature
RMS-AS-01	Acoustic siren with LED signalling, 120 dB <sup>1</sup>
RMS-PW-05	Universal power adapter 5V DC
RMS-PW-12	EU plug power adapter for accessories 12V DC 0,5A

<sup>1</sup> require power supply (RMS-PW-12). Doesn't contain cable for connection.

<sup>2</sup> require power supply (RMS-PW-12).



## Standard equipment:

1x RAMOS Mini unit; 1x RMS-ST-02; 1x RMS-PW-05; straight and angle holder; First run installation manual; Installation CD (RAMOS Setup)