

## Ramos Mini– User Manual

### The Ramos Mini package contains:

- 1 Ramos Mini unit (model A, B or C)
- 1 Temperature sensor 1-wire
- 1 Door contact (only model B and C)
- 1 EU version 12V wall plug adaptor
- Installation CD

### 1. Connecting of Ramos Mini

- Set DIP switch configuration to installation position (DIP1=Off, DIP2=Off).
- Connect power adapter to power socket (230/110V) and to "power" connector of Ramos Mini.
- Connect supplied temperature sensor into "sensors" connector (RJ 12).
- Connect Ramos Mini to Ethernet (RJ 45) (direct to switch, crossed to PC). Green LED signals power supply OK, yellow LED network connection OK.
- RS-232 port (Ramos Mini A model only).
- Four inputs for connecting of dry contacts (magnetic contact, gas, motion, smoke detectors etc.) (Ramos Mini B and C model only).
- Two outputs – relay switch contacts (Ramos Mini C model only).

### 2. IP address setting – RMS Setup

- Run **RMS Setup** program file, enclosed on installation CD, the latest version can be found on [www.conteg.com](http://www.conteg.com).
- Click the "**Find Devices**" button.
- The program will search for the devices in your local network. Ramos Mini units identify via MAC address written on the label on the bottom side.

*(Note: When setup Ramos devices, your computer must be connected to local network.)*

- By double-click MAC address open "Details" window of selected device. Now network parameters can be configured.

*(Note: If you don't know them, contact your admin.)*

- Set IP address
- HTTP Port
- Set Mask
- Set Gateway
- Click the "**Apply Changes**" button to save changes.

*(Note: Leave the feature "Check if new IP address is empty" enabled to avoid IP address conflict.)*

Network parameters can be set also through TCP setup, by tick off "Enable TCP setup" and clicking "Open" button.

### 3. Ramos Mini configuration – web browser

- Write in your web browser the IP address of the device or run **RMS Setup** program and click on IP address or in the "Details" window of selected device click the "**Open in WEB Browser**" button.

#### 3.1 WWW page Ramos Mini

Html page showing overall information of current state of device and settings:

- **Sensors:** Name of sensor, Unique sensor ID, Current Value, Safe Range and Alarm Alert
- **Dry Contact Inputs** (Ramos Mini B and C model only): Name, Number, Current Value and Alarm Alert
- Device name
- Web configuration – detailed "**Flash Setup**"
- TCP Setup – special Telnet configuration
- Firmware – "**update**" feature for online FW upload; description of SNMP "**MIB**" and "**XSD**" values.XML structures

Reading of current values:

- **Current Value** – current value of the connected sensor „-999.9" value means that the sensor is not available or is initializing after start. („Autodetect sensors" feature in flash setup can be used.)
- **Alarm Alert** – defined for sensor, monitoring of "Safe Range" is turned on/off, when value exceeds safe range the alarm is sent (inputs for contacts).
- **XML** – file **values.xsd**, format described using XSD – for download on the main page.
- **SNMP** – describing file of **ramos.mib** can be downloaded on the main page. Standard SNMP ports 161 and 162 can be configured in Flash setup.
- **Modbus/TCP**

### 4. Flash Setup configuration

After clicking on the "**Flash Setup**" link from WWW page, the graphic configuration version in browser is opened. **Macromedia Flash player** in web browser must be installed.

**Use Flash setup for following parameters:**

Setup names of sensors, „Safe Range" for alarm and where Alarm alert will be sent.

- Monitor current values, refresh in seconds.
- Select temperature units (°C, °F, °K)
- Setup actual time and NTP server for synchronisation of the time.
- Setup SNMP parameters (Community names & rights) and define where SNMP Traps are to be sent.
- Setup Alarm alert via email and test it.
- Setup security elements: Name and password, range of IP addresses.

More information can be found in detailed flash setup manual on [www.conteg.com](http://www.conteg.com) or contact [ramos@conteg.com](mailto:ramos@conteg.com).

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