version: 19-06-2012

USER MANUAL

RAMOS Mini

IN OUT   H/T

...to complete your network

Contents:

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

Package content:
1x RAMOS Mini (monitoring device; up to 2 sensors, dry contact a relay output)
1x RMS-ST-02 (1-Wire temperature sensor with 3m cable and RJ-12 connection)
2x Bracket (vertical and horizontal mounting) with screw
1x Power supply with universal plug 5VDC

Technical details of included sensor RMS-ST-02:
Sensor temperature range: -10°C to +80°C
Sensor resolution: 0.01 °C
Measuring accuracy: +/- 0.5 °C

Home / General page:

The home page contains two tabs:

1. The base information about name, time and date of monitoring device.
2. The sensors information about the connected sensors with actual state, name, type and current value. Include status of relay output too.

Control page:

It is possible on the Control page to change status of relay manually with using button "Set". If the button doesn't work, it is necessary to change "Set State" on Input/output page to "Manual"

Graph page:

There is an option on this page to set one sensor to be graphed in configured time period. Graph can show up to 255 data logs. With moving cursor on graph line the time and actual value pop up.

General Setup

On general Setup page is possible to change:
- Base: Device name, Temperature unit (Celsius, Fahrenheit, Kelvin)
- Network setup – DHCP, IP Address, Mask, Gateway, DNS, HTTP port
- Security: username and password settings for Admin and User able to control output.

SNMP

There is an option on the SNMP page to change:

- General SNMP settings: system name, location and contact. SNMP port
- SNMP Access: Community (public and private)
- SNMP trap destinations: optional two IP addresses with ports of destinations

Email

On this page, there are options to configure Email settings:

- SNTP server
- SMTP port
- Device email address
- Subject
- Authentication request
- Two recipients (with optional copy recipient)
- Buttons for testing email

Time

Page for configuration of time, date, summertime changing. Optional synchronization with SNTP server.

Sensors

You can find a sensors setting on this page. Each sensor can be set to work in two ranges and each range can be set in two Alarm ways. Alarm email can be set to recipient A, B or both. Alarm trap can be set to IP addresses C, D or both. Each sensor has settable hysteresis.
When a sensor is unplugged, it is necessary to delete concrete sensor by bin button. If there are in the device memory unplugged two sensors, it is unavailable to find new connected sensors. When the memory is clear, press button "Find Sensors".

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RAMOS MINI

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Sensors

Sensor 215

State	ID	Type	Name	Current Value	Hyst.	Range	Save Range		Alarm Email A	B	Alarm Trap C	D	Del.
✅	215	Temp.	Sensor 215	23.0 °C	0.0	1	10.0	~ 60.0	☐	☐	☐	☐	🗑
						2	10.0	~ 60.0	☐	☐	☐	☐	

Sensor 216

State	ID	Type	Name	Current Value	Hyst.	Range	Save Range		Alarm Email A	B	Alarm Trap C	D	Del.
✅	216	Humidity	Sensor 216	27.9 %RH	0.0	1	10.0	~ 60.0	☐	☐	☐	☐	🗑
						2	10.0	~ 60.0	☐	☐	☐	☐	

[Save]   [Find Sensors]

Ramos Mini: For more information try www.conteg.com

Input/Output

Page for setup dry contact input and relay output.
Dry contact input settings:
- Name can be changed for better recognition.
- State name for open and close can be changed
- Alarm alert can be configured to come up on close or open
- Alarm enabling (email and SNMP traps)

Relay output settings:
- Name can be changed for better recognition.
- State name for off and on can be changed
- Control can be set in "Set State" to be controlled manually or by local condition

Local condition can be controlled by:
- Alarm of single sensor range: turn relay on, when the value is out of set range.
- Alarm of any sensor: turn relay on, when any alarm come up
- Alarm of dry contacts: turn relay on, when Alarm is on dry contact (open or close option)

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Inputs

Input Dry Contact

ID	Current State	Name	State Name Log 0	State Name Log 1	Alarm Alert	Email A	B	SMTP Trap C	D
1	0 (Open)	In Dry Contact 1	Open	Close	Disabled ▼	☐	☐	☐	☐

Save

Disabled
1 (Active if Close)
0 (Active if Open)

Alarm status connected to log "1"

Alarm status connected to log "0"

Outputs

Output Relay

ID	Current State	Name	State Name Log 0	State Name Log 1	Set State
151	0 (close)	Relay Contact 1	close	open	○ Manual Set 1 (open)
					● Local Condition Output Relay Actived if alarm On Sensor 21... Range 2 ▼

Save

Any alarm
On Sensor 215, Range 1
On Sensor 215, Range 2
On Sensor 216, Range 1
On Sensor 216, Range 2
On Input Dry Contact 1

Relay will change status on any Alarm (dry contact, sensor)

Relay will change status if the sensor 215 is out of range 1

Relay will change status with dry contact Alarm

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Services

This page is for setting up periodic Alarm. It is possible to setup interval of period.

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Services

Periodic Alarm

Name	Value	Description
Period	0 [s]	Periodic alert when Alarm active [s], 0 = disable
Only if Alarm	☐	Periodic Alarm only if some alarm.
Periodic SNMP Trap	☑	Enable periodic alerts by SNMP Traps
Periodic Email	☑	Enable periodic alerts by Emails

Save

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System

System page contains:

- Download files: Backup configuration, MIB table, XML script of sensors value and control.
- System information: version of FW, demo mode option, firmware or backup upgrade option.
- Reset buttons for default settings and system

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System

Download

Description	File
Backup configuration	RamosM_Config.bin
Online values in XML	values.xml
SNMP MIB Table	RamosM.mib
TXT list of common SNMP OIDs	RamosM_OID.txt
XML example for Relay control	Open_Relay.xml
XML example for Relay control	Close_Relay.xml

System

Name	Value
Version	1.0.1
Compile time	May 25 2012, 15:24:08
Build	988
Vendor ID	0
UpTime	3 min
Demo Mode	Demo Mode Enable
Upload Firmware or Configuration	Procházet... Upload

Factory Default	System Restart
Default	Restart

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