

## iQdata RMS 222



Similar to figure

Monitoring system to control temperatures, door opening, smoke, leakage and much more. Compatible with all iQdata RMS sensors.

The iQdata RMS 222 is used to monitor small rooms, IT cabinets or outdoor cabinets. The alarm and alarm thresholds are freely adjustable.

The alarm can be given via various channels, such as SNMP, e-mail, sirens.

### Article number

**7808000** iQdata RMS 222

### Dimensions / weight

**Width (W):** 139.00 mm  
**Length (L):** 79.40 mm  
**Height (H):** 33.10 mm  
**Weight:** 0.5 kg

### Ambient conditions & protection rating

**Maximum height** 0 – 3.000m  
**Temperature (operating)** 0..60 °C  
**Temperature (storage)** -25..85 °C  
**Relative humidity (operating)** Not condensating  
**Relative humidity (storage)** Not condensating

### Power supply

**Power supply:** 12 VDC 1A mains adapter  
**Power consumption:** 3-10 Watt  
**Current consumption:** 120 mA  
**External earthing:** Yes

### Inputs/ outputs

**Analogue sensor inputs:** 2x RJ12 Ports  
**Digital inputs:** 2x potential-free inputs  
**Alarm outputs:** 2x 12 VDC max. 0.25 A

## Interfaces

<b>USB:</b>	1xminiAB HS-USB 2.0 (for web cameras)
<b>Network:</b>	1x 10/100 Mbit/s

## Protocols

DHCP, HTTP, HTTPS, SNMP v1, SNMP v2c, SNMP v3, SNMP TRAP, SNMP GET, SMTP, SSL, FTP, Syslog, TLS, RADIUS,

## Status indicators

<b>LED indicator:</b>	Power / ACT, network activity, relay status E1 & E2, Error LED
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## Features

### Multilanguage Interface

The RMS has a web interface with the option to select different languages.

### Watchdog timer:

RMS 442 has an integrated watchdog timer with complete NTP synchronisation.

### Sensor graphs

The sensor data can be displayed as a graph in the web interface. Here, it is possible to switch between seconds, minutes, hours and days. The sensor data can be exported as XML or CSV. The data can be retrieved from the interface or downloaded to Syslog or FTP or stored on SD card.

### Configurable logic

Via the web interface, various logical connections for warnings, alarms and notifications can be set up to avoid unplanned downtimes.

### Virtual sensors:

A large number of virtual elements can be created. These can be used in the logical connections. E-Mail, SNMP trap, Timer, Trigger, Ping, IP cameras, groups, SNMP get

### Web cameras:

Up to 4 web cameras can be integrated with RMS 222. The display is then available with a resolution of up to 640x480px.

### Integrated temperature sensor:

RMS 222 system from SCHÄFER IT-Systems has an integrated temperature sensor. This makes it possible to monitor the temperatures prevailing in the device in order to maintain the device-specific ambient temperatures.

### Support of third-party sensors:

A variety of third party sensors are supported.

### Integrated web server:

With the integrated web server, sensor data can be displayed without additional installation of software and all settings can be made on the system.

## Material & installation

<b>Housing:</b>	1mm sheet steel
<b>Colour:</b>	RAL 9005
<b>Installation:</b>	stand alone

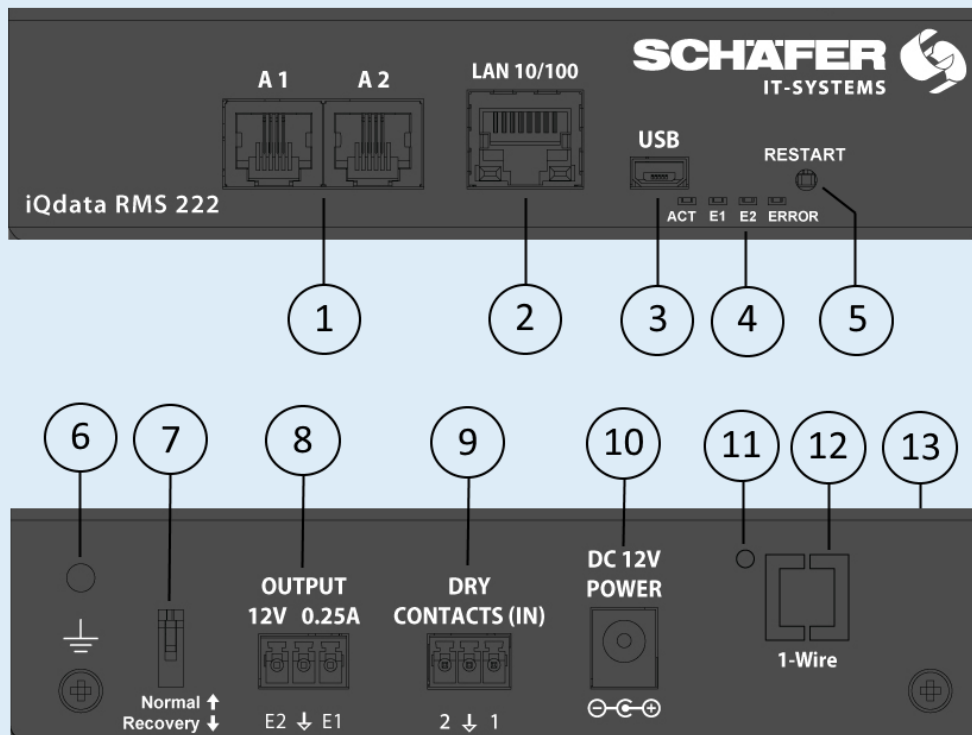
## Standards and guidelines


<b>2006/95/EC</b>	Low voltage directive
<b>2004/108/EC</b>	EMV guideline
<b>EN 60950-1:2006</b>	Information technology equipment. Safety. General requirements.
<b>EN 61326-1:2006</b>	Electrical equipment for measurement, control and laboratory use.
<b>EN 61000-4-2:1995</b>	Electrostatic discharge immunity test.
<b>EN 61000-4-3:2006</b>	Radiated, radio-frequency, electromagnetic field immunity test.
<b>EN 61000-4-4:2004</b>	Electrical fast transient/burst immunity test.
<b>EN 61000-4-5:2006</b>	Testing and measurement techniques - Surge immunity test.
<b>EN 61000-4-6:2007</b>	Immunity to conducted disturbances, induced by radio-frequency fields.
<b>EN 61000-4-11:2004</b>	Voltage dips, short interruptions and voltage variations immunity tests.

## Scope of delivery

1x RMS 222	1x connector plug 3.5mm 3-pole
1x patch cable RJ45 (1m)	1x connector plug 3.81mm 3-pole
1x Mains adapter 12VDC 1A	1x MiniUSB to USB cable
1x Quick start guide	4x Self-adhesive rubber buffers

## Connections



1. "A1..A2"	2x RJ12 analogue & digital sensor inputs with auto-sensing
2. "LAN 10/100"	Ethernet 10/100 Base-T-Port
3. "USB"	to connect a USB camera or reset the device
4. "LEDs: "ACT"	indicates the device status, E1, E2 signal 12V relay status
5. "RESTART"	restarts the device
6. 	external earthing M4 internal thread
7. "DIP-SWITCH"	"Normal" ↑ Off = normal status / "Recovery" ↓ On = factory setting
8. "OUTPUT 12V 0.25A"	2x 12VDC max 0.25A Alarm outputs
9. "DRY CONTACTS 1...2"	potential-free inputs
10. "DC 12V POWER"	Power supply DC 12V 2A via power supply unit
11. "1-WIRE STATUS"	to activate the 1-WIRE bus internal switch to "ON".
LED lights green	1-WIRE module is switched on
12. "1-WIRE"	serial communication protocol, for communication via data line plus ground reference between Master (RMS 222) and 1-Wire Slave device
13. "THERMOSENSOR"	Internal temperature sensor $\pm 1.0^{\circ}\text{C}$