

HWg-CS13: SMS and SNMP monitoring of temperature / humidity

In this example, temperature and humidity is monitored with a web thermometer that is also capable of sending text messages (SMS). High temperature alerts are sent by E-mail / SNMP trap as well as by SMS (via a GSM modem).



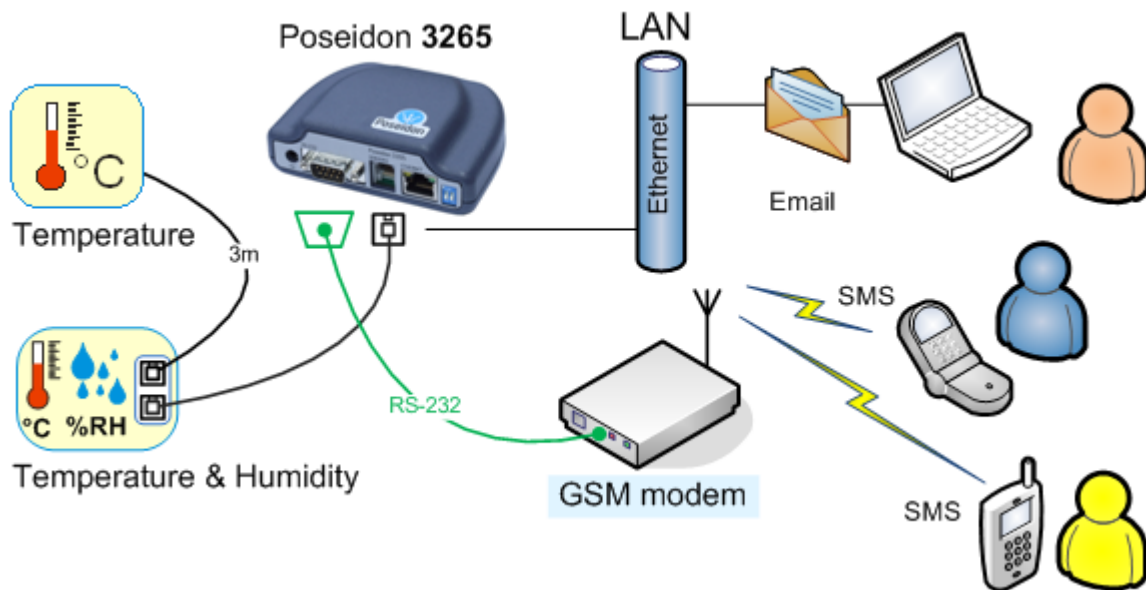
- Simple SMS thermometer – needs only electricity and GSM coverage to send SMS alerts. Does not depend on LAN functionality or any other software.
- E-mail and SMS alerts can be sent to multiple recipients.

Applications

- Sending alerts to equipment overheating (server, disk array) directly to your mobile phone
- A/C functionality monitoring
- Informing about excessive air humidity

Advantages

- Get instantly notified about a problem
- SMS alerts do not depend on any other system
- Connects to any SNMP monitoring software
- E-mail alerts you in time to rising temperature



Technical description

- GSM modem is connected to the serial interface. The supplied G10 modem or a Siemens TC35i module is used.
- Poseidon 3265 is connected to a 10/100 Mbps Ethernet network. Configuration and control is performed over the Poseidon GUI (WEB server).
- Sensors are daisy-chained in series using a telephone cable (RJ11).
- Each sensor has its own ID, textual name, and MIN and MAX values for alerting. Text messages contain the name and value of the sensor where the alarm originates.
- For each sensor, alarm delay of X seconds can be configured.
- E-mail and SMS alerts are sent independently for each sensor.

Ordering numbers

600 313 Poseidon 3265 GSM2 Tset
600 344 HTemp-1Wire Box2