Starting Guide - Poseidon 3265

First steps for remote monitoring with Poseidon & GSM

1) Connecting Poseidon 3265

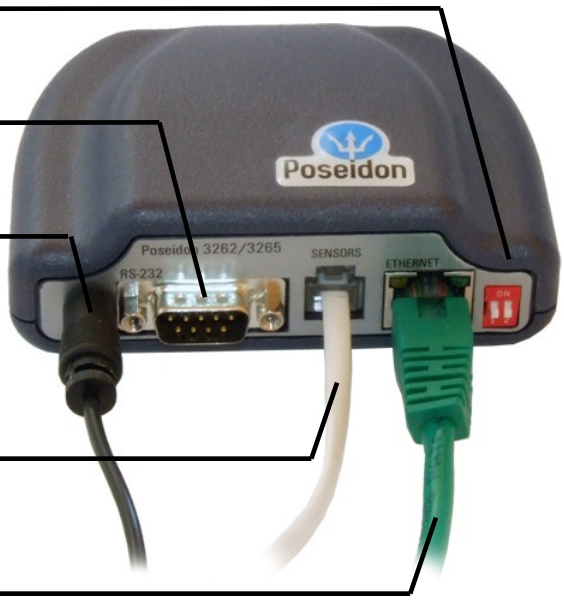
1.1) Check DIP switches settings. For installation keep them as shown on the picture on the right (DIP1=**Off**, DIP2=**Off**).

1.2) RS-232 serial port for connecting GSM modem and setup purposes.

1.3) Connect power adapter to power supply (230 / 110V) and to power jack of Poseidon. The connector must be plugged in fully, green LED lights up.

1.4) Connect temperature or humidity sensor to **IT bus** (Temp-1Wire or Humid-1Wire - RJ12 connector), the connector must click.

1.5) Connect Poseidon to Ethernet (use direct cable to Switch, cross-over cable to PC)



- Green POWER LED on RJ45 connector lights up – power supply is OK
- Yellow LED on the RJ45 connector blinks – connection to 10 Mbit network is OK

Accessories

GSM Modemcom G10
600 312

Poseidon T-Box
600 040

HTemp-Rack19
600 330

Temp-1Wire 1m
600 242

Humid-1Wire 3m
600 279

600 165	**Poseidon 3265**	Poseidon model 3265 unit with 5 sensors and GSM modem support
600 313	**Poseidon 3265 GSM2 Tset**	Start set - GSM modem, temperature sensors, power supply etc.
600 005	**Temp-1Wire 3m**	Temperature probe, 3m connecting cable (**1m**=600 242,**10m**=600 056)
600 311	**Temp-1Wire-Outdoor 3m**	Temperature probe for external use in food industry, cable 3m long
600 279	**Humid-1Wire 3m**	Humidity probe, extending cable 3m long(1m= 600 278)
600 040	**Poseidon T-Box**	Termination-Box for connecting up to 5 sensors, 10 cm long cable
600 280	**Poseidon T-Box2**	Termination-Box for connecting 2 sensors, 3m long cable

2) Configuring the IP address – UDP Config

UDP Config program – in the root folder of the supplied CD (Windows and Linux version).

The program can be downloaded from www.HW-group.com Software -> UDP Config.
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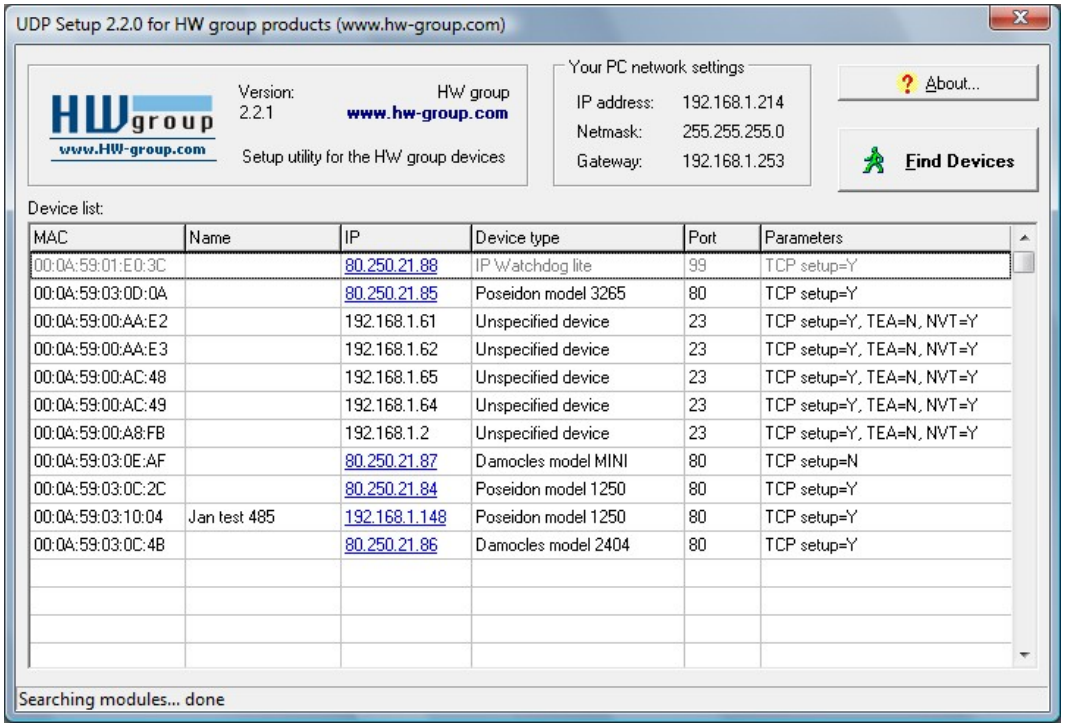
- Click the icon to run **UDP Config** – the program automatically searches for connected devices

- Click the **Find Devices** button to start searching for devices.



The program looks for devices on your local network. To identify a particular Poseidon unit, look at its MAC address (printed on the label at the bottom of the unit).

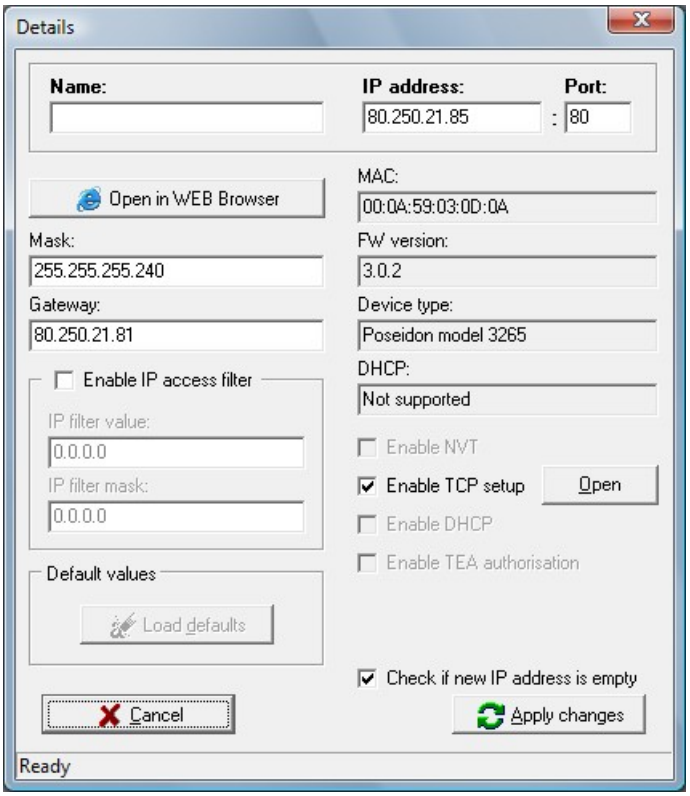
Double click a MAC address to open a dialog window with basic device settings.

Set up network parameters

- IP address
- HTTP Port (default is 80)
- Mask
- Gateway IP address
- Name of your device – optional

Click the **Apply Changes** button to save the settings.

Note: *Contact your network administrator if you are unsure about these settings.*



DIP1

- **Reset to factory defaults**
  Toggle DIP1 several times within 5 seconds after powering up. Default settings contains none passwords.

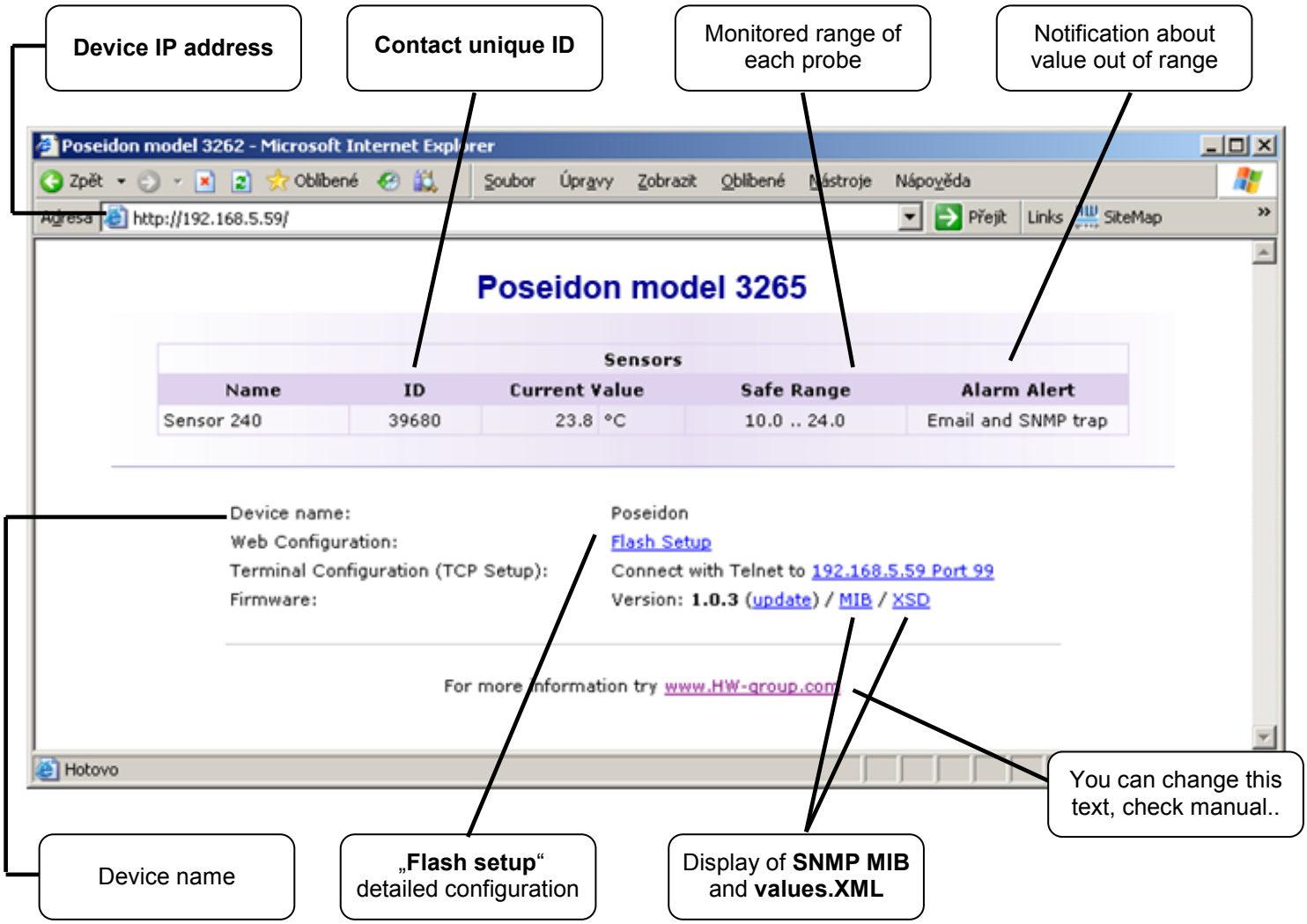
DIP2

- **Disable any configuration changes** (online demo mode)
  While **DIP2=On** any configuration change disabled.
  Note: Set Dip2=Off to be able change IP address configuration

3) Poseidon setting – Internet browser

3.1) type device IP address into your web browser address bar or run **UCP Config** and click on device IP address in the list of found devices

3.2) Poseidon 3265 webpage



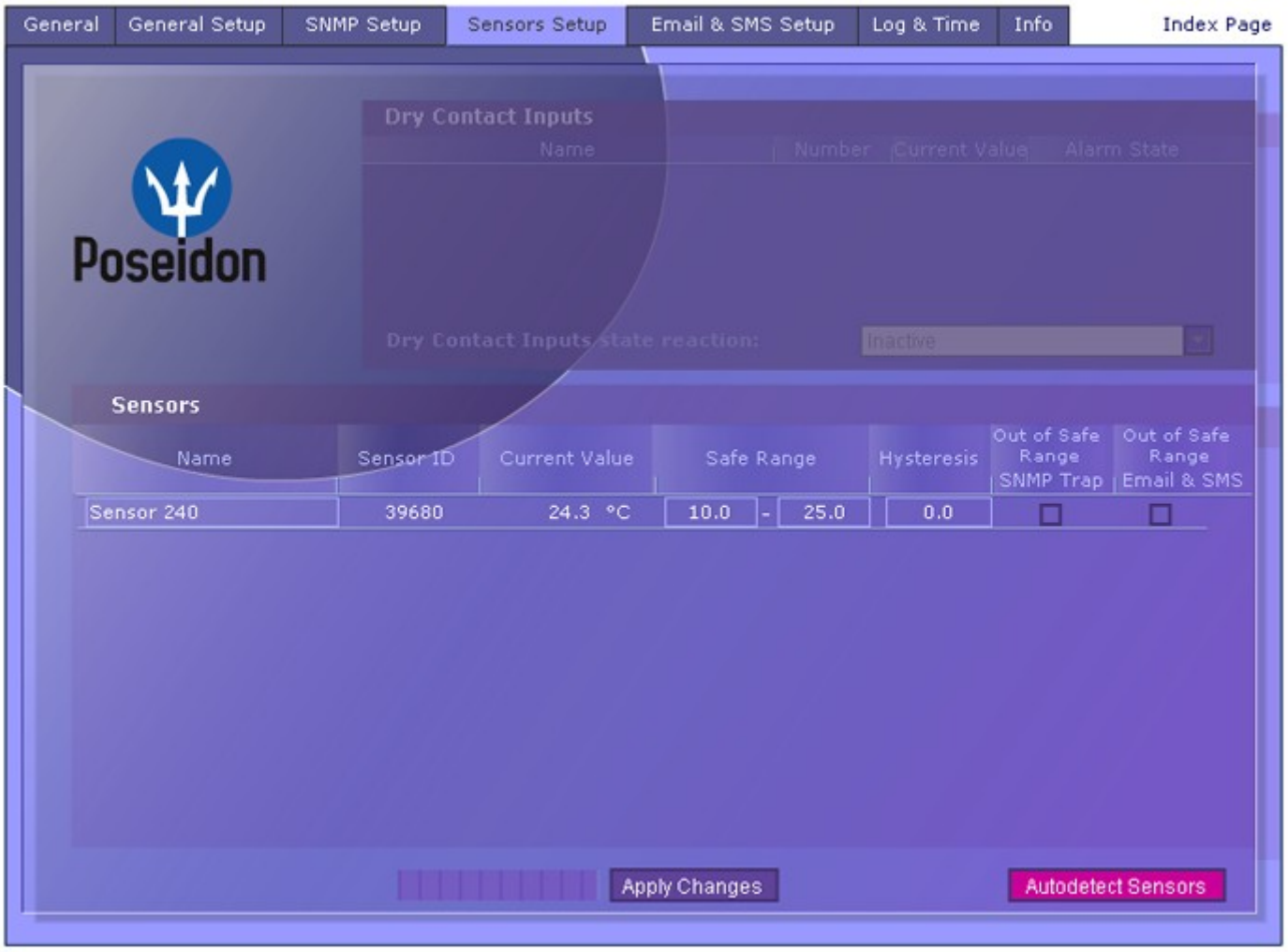
- **Current Value** – current value of the connected sensor. „-999.9“ means that the sensor is not available or was initialized after device started.
- **Safe Range** – Sensor value range that is not in Alarm.
- **Alarm Alert** – Monitoring of the defined “Safe Range” exceeded or switch Dry contact input on/off initiate Alarm state.
- **„For more information“**– A contact to service organization, this can be changed from „Telnet setup“.

Reading current values

- **XML** – **values.xml** file, format described using XSD – for download on the main page, detailed comments on XML structure are available in the manual.
- **SNMP** – description file **poseidon.mib** can be downloaded on the main page. Standard SNMP ports 161 and 162 can be configured in Flash setup.
- **Modbus/TCP**– structure description is available in the manual and in application examples. Standard port 502 is opened for reading.

4) Flash Setup – probe detection

Click on "**Flash Setup**" from web page to open this graphics page.
Flash Setup requires **Macromedia Flash player** installed in web browser. If you do not have it, you can download the latest version from Internet or find it on CD: \Poseidon\ install_flash_player_7.msi



Sensor detection: Tab „**Sensors Setup**", click on "**Autodetect Sensors**".

Using Flash setup you can:

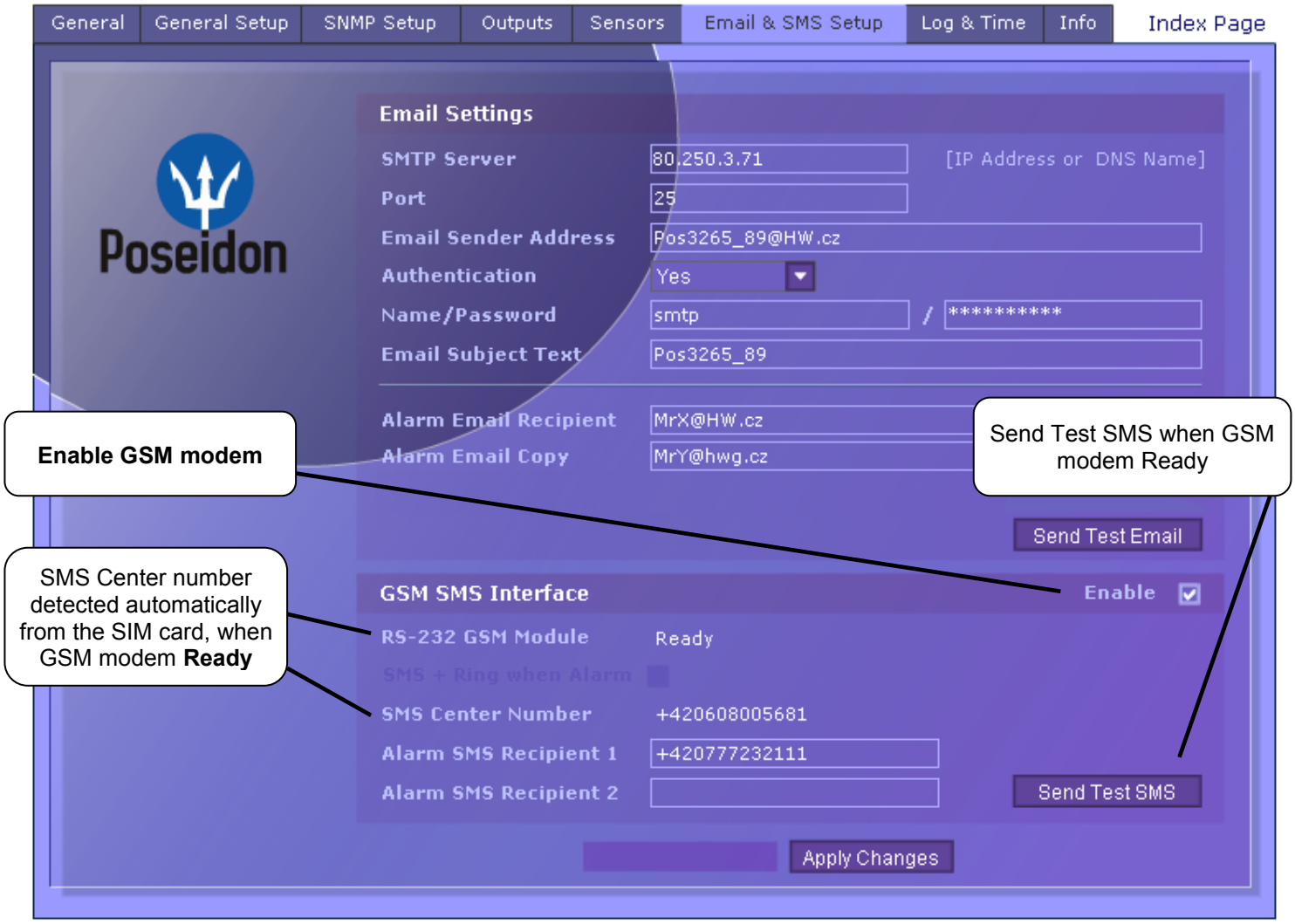
- Setup names of sensors, „Safe Range" for alarm and to where the Alarm alert will be sent.
- Detect and configure GSM modem.
- Monitor current values, refresh in seconds.
- Select temperature units (°C, °F, °K)
- Setup actual time and select NTP server to synchronize the time.
- Setup SNMP parameters (Community names & rights) and define where to send SNMP Traps.
- Setup Alarm alert via email, and test it.
- Setup security elements: Names and password, ranges of IP addresses.

More information can be found in the manual or at www.HW-group.com

5) Connecting GSM modem

Following description is related to **FW version 3.0.5** and higher. Latest FW can be downloaded from the **Poseidon XXXX** page.

1. Deactivate PIN code protection of the SIM card.
   If the function is active, the phone requires PIN code after start up.
2. Setup IP address and connect sensors to Poseidon 3265 according to previous procedure.
3. Connect GSM modem and Poseidon 3265 with supplied RS-232 cable.
4. Insert SIM card to modem slot.
5. Connect power supply to the GSM modem
6. Connect power supply to the Poseidon, wait for about 50 seconds for GSM modem activation.



7. Web browser opens FLASH Setup, tab "Email & SMS Setup" and verify if "Enabled" is checked on "GSM SMS Interface" field.
   - "RS-232 GSM module" should show "**FOUND**".
   - "SMS centre" should show values from SIM card. If not, fill in your operator number.
8. Fill in "Alarm SMS Recipient 1" with target phone number where alarm is sent to and push "**SendTestSMS**" button.