

Starting Guide - Poseidon 3266

First steps for measuring temperature with Poseidon

1) Connecting Poseidon 3266

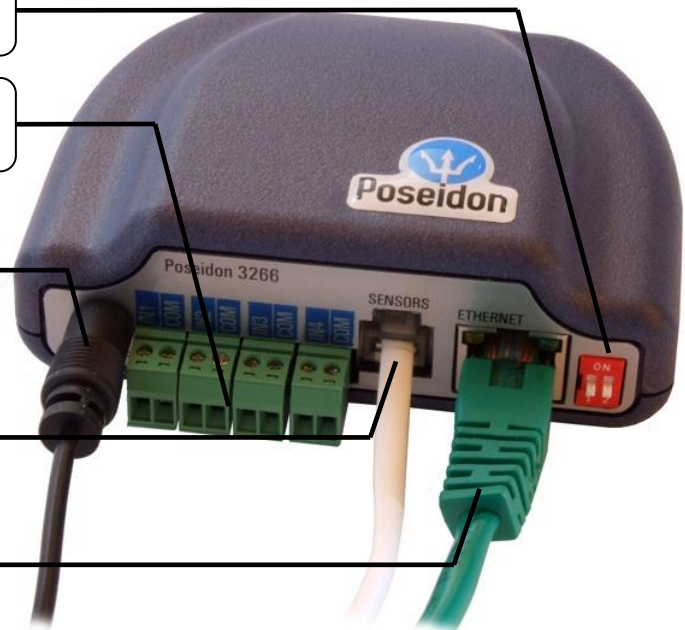
1.1) Check DIP switches. For installation, set them as shown in the picture on the right (DIP1=Off, DIP2=Off).

1.2) Dry contact inputs for connecting contacts. For sensors with Dry Contact outputs (buttons, relay contacts, door contacts)

1.3) Connect power adapter to an outlet (230 / 110V) and to the Poseidon power connector. The connector must be plugged in fully, green LED lights

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

1.5) Connect Poseidon to Ethernet



- 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



Door Contact
600 119

Poseidon T-Box
600 040

HTemp-Rack19
600 330

Temp-1Wire 1m
600 242

PowerEgg
600 237

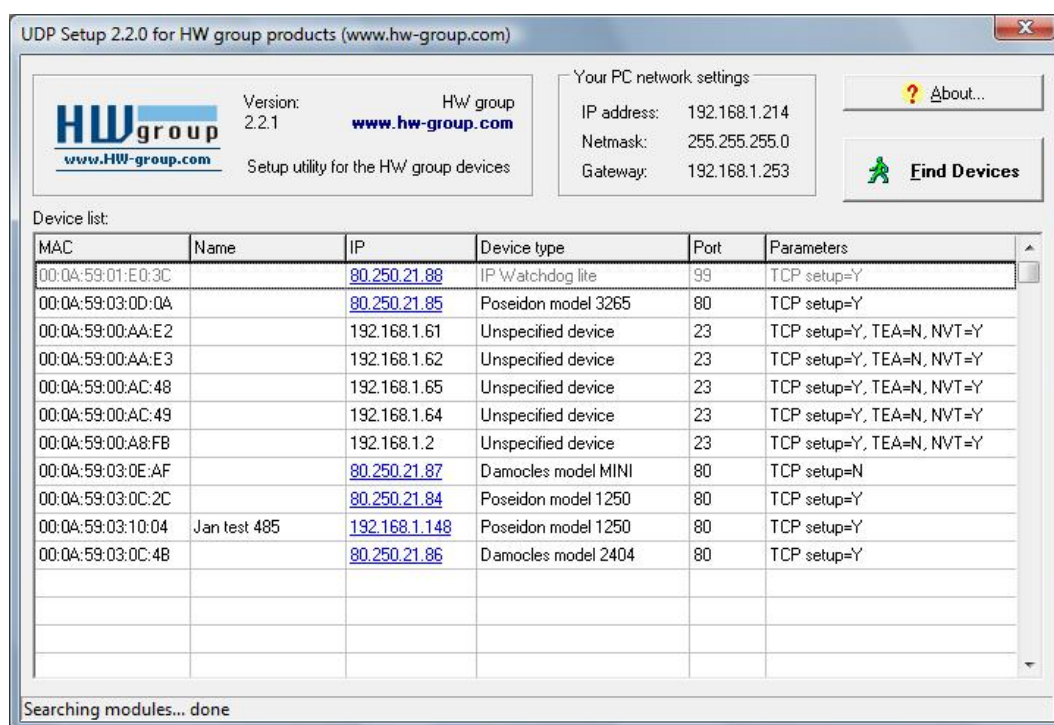
600 005	Temp-1Wire 3m	Temperature sensor, 3m cable (1m = 600 242 , 10m = 600 056)
600 311	Temp-1Wire-Outdoor 3m	Temperature sensor for outdoor use, food-safe steel, 3m cable
600 330	HTemp-Rack19	Temp & humidity sensor, installs into a RACK as a 1U device
600 279	Humid-1Wire 3m	Humidity sensor, 3m cable (1m = 600 278)
600 040	Poseidon T-Box	Hub to connect up to 5 sensors, 10cm cable
600 280	Poseidon T-Box2	Hub to connect 2 sensors, 3m cable
600 119	Door Contact	Door contact to detect open door, connects to a Dry Contact input (I1..I4)
600 239	Gas Leak Detector	Flammable gas detector, connects to a Dry Contact input (I1..I4)
600 240	PowerEgg	Voltage detector, 110/230V (connects to I1..I4 on the Poseidon)

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.

- 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) Configuring the Poseidon with a web browser

Enter the IP address of the device to the address field in your web browser, or run **UDP Config** and click the IP address in the list of devices.

The screenshot shows the web interface for the Poseidon model 3266. The browser address bar shows <http://192.168.1.58/>. The page title is "Poseidon model 3266".

Dry Contact Inputs Table:

Name	Number	Current Value	Alarm Alert
Binary 1	I1	0 (Off)	Disabled
Binary 2	I2	1 (On)	Disabled
Binary 3	I3	0 (Off)	Disabled
Binary 4	I4	0 (Off)	Disabled

Sensors Table:

Name	ID	Current Value	Safe Range	Alarm Alert
Sensor 240	39680	26.5 °C	10.0 .. 60.0	Disabled

Device Information:

- Device name: Poseidon
- Web Configuration: [Flash Setup](#)
- Terminal Configuration (TCP Setup): Connect with Telnet to [192.168.1.58 Port 99](telnet://192.168.1.58:99)
- Firmware: Version: **1.0.3** ([update](#)) / [MIB](#) / [XSD](#)

For more information try www.HW-group.com

Callouts in the image point to: Device IP address, Sensor input No., Reading at the last page update, Alarm definition for each input, Unique sensor ID (serial number), Alert to a reading out of the safe range, Device name, "Flash setup" detailed configuration, Description of SNMP MIB and values.XML, and This text can be customized, see the manual for details.

- **Current Value** – current reading of the corresponding connected sensor. “-999.9” means that the sensor is not available or was initialized only after the device was powered up.
- **Safe Range** – range of readings considered OK (no alarm).
- **Alarm Alert** – defines, for each sensor, whether alarm alerts are enabled and their destination.
- **“For more information”**– info about the servicing organization, configurable in “Telnet setup”.

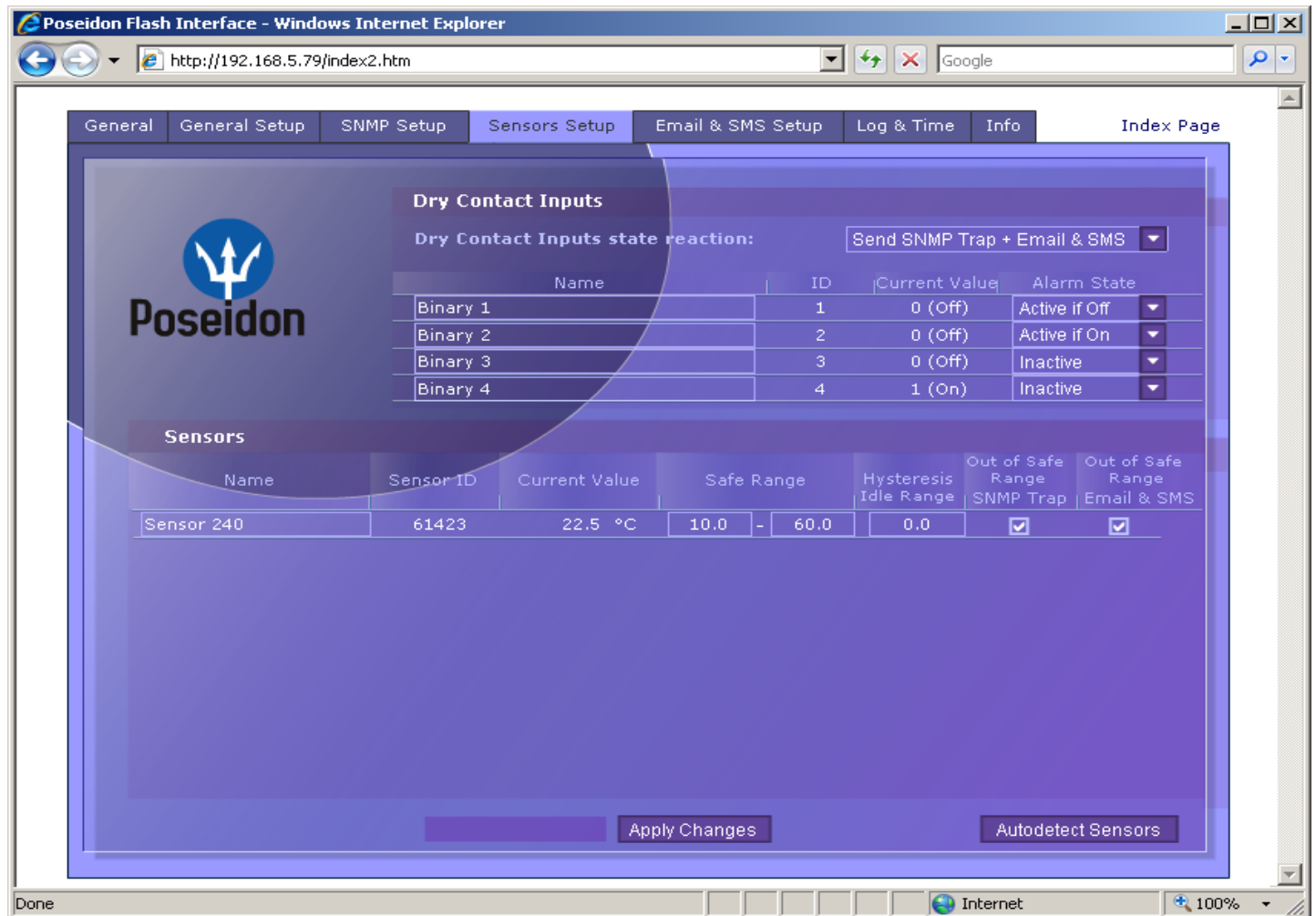
Reading current values

- **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** – the **poseidon.mib** description file can be downloaded on the main page. The SNMP ports (defaults are 161 and 162) can be changed 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 – Detecting sensors

Click the “**Flash Setup**” link at the main page to open a graphic configuration interface.

Adobe Flash player must be installed in your web browser. You can find it on the supplied CD (\Poseidon\install_flash_player_7.msi), or download the latest version from the Internet.



Detecting the sensors: In the “Sensors Setup” tab, click “**Autodetect Sensors**”.

Flash Setup allows you to:

- Set up sensor names, “safe ranges” for alarms, and alarm alert destinations
- Monitor current sensor readings, set a refresh interval
- Select temperature units (°C, °F, °K)
- Set current time and specify a NTP server for time synchronization
- Set SNMP parameters (Community names & rights), define targets for SNMP traps
- Set up alarm alerts via email and test them
- Set up security features: names and password, IP ranges

Further information is available in the manual or at www.HW-group.com

