# Starting Guide – Poseidon 3268
## *First steps for I/O & temperature control with Poseidon*

## 1) Connecting the Poseidon 3268

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

**1.2) Output** (double-throw relay contact) to turn on/off external devices (fans, A/C, heating, horn, etc.)

**1.3)** Connect the power adapter to an outlet (230 / 110V) and to the Poseidon 12V power supply connector.

**1.4)** Dry contact **inputs** to connect sensors with Dry Contact outputs (buttons, relay contacts, door contacts).

**1.5)** Temperature or humidity sensors (**IT bus** interface) (Temp-1Wire or Humid-1Wire), RJ12 jack must click in.

**1.6)** Connect Poseidon to the Ethernet (patch cable to switch, or cross-over cable to PC)

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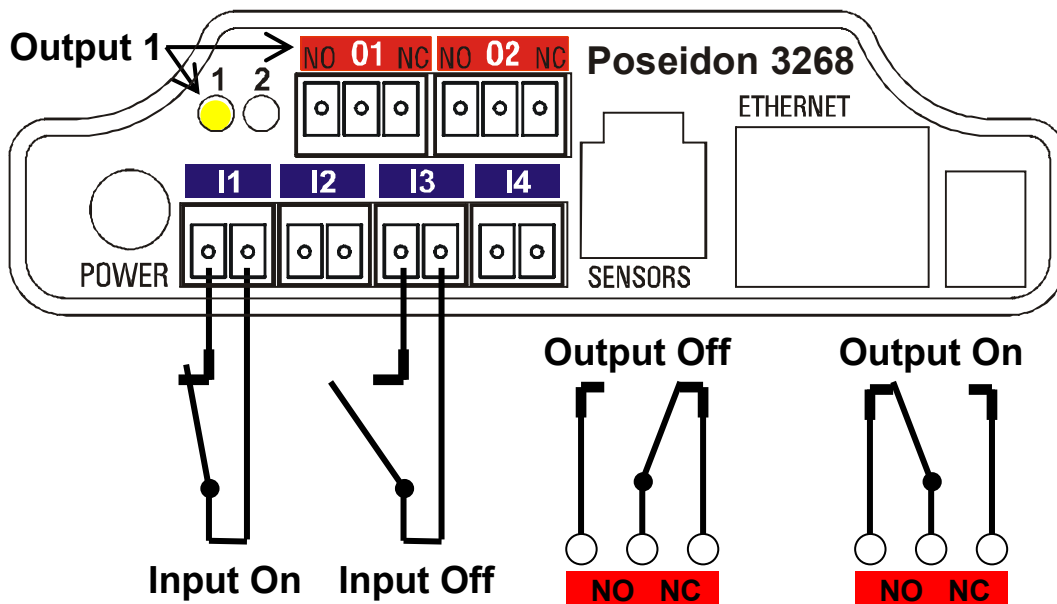


## Accessories

| 600 239 | **Gas Leak Detector** | Flammable gas detector, 12V, Dry Contact output |
|---------|----------------------|-------------------------------------------------|
| 600 240 | **Flood detector** | Water level detector, Dry Contact output |
| 600 005 | **Temp-1Wire 3m** | Temperature sensor, 3m cable (**1m** = 600 242 , **10m** = 600 056) |

| | | | | |
|---|---|---|---|---|
| **Door Contact**<br>600 119 | **Poseidon T-Box**<br>600 040 | **HTemp-Rack19**<br>600 330 | **Temp-1Wire 1m**<br>600 242 | **Humid-1Wire 3m**<br>600 279 |

| 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 |
| 600 240 | **PowerEgg** | Power detector / control - 110/230V mains voltage detector (connect to I1..I4 of a Poseidon) and switch (connect to O1 / O2 of a Poseidon 3268) |

# 2) Configuring the IP address – UDP Config

The **UDP Config** executable is located in the root of the supplied CD (Windows and Linux version), or it can be downloaded at www.HW-group.com, Software -> UDP Config.

- Click the icon to run **UDP Config**. The program automatically starts searching for connected devices.
- Click the **Find Devices** button to start searching for devices.
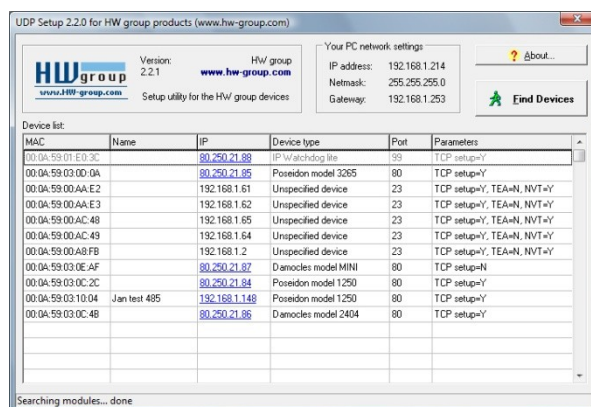
The program looks for devices on your local network. To identify a particular Poseidon unit, look at its MAC address (printed on the label at the bottom of the unit). Double click a MAC address to open a dialog window with basic device settings.

## Configure network parameters

- IP address / HTTP Port (default is 80)
- Network mask
- Gateway IP address
- Device name (optional)

Click the **Apply Changes** button to save the settings.
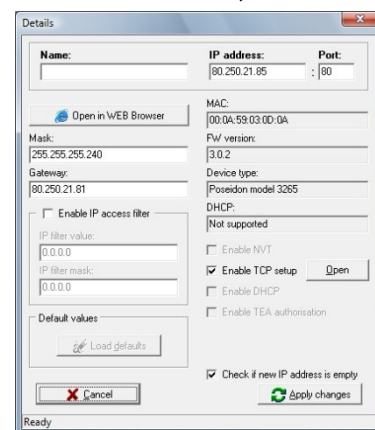
*Note: Contact your network administrator if you are unsure about these settings.*

| DIP1 | • **Reset to factory defaults**<br>Toggle DIP1 several times within 5 seconds after powering up. Default settings contains none passwords. |
|---|---|
| DIP2 | • **Disable any configuration changes** (online demo mode)<br>While **DIP2=On** any configuration change disabled.<br>*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.



- **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".

**Retrieving current readings**

- **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 from 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, or in application examples. Standard port 502 is open 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.
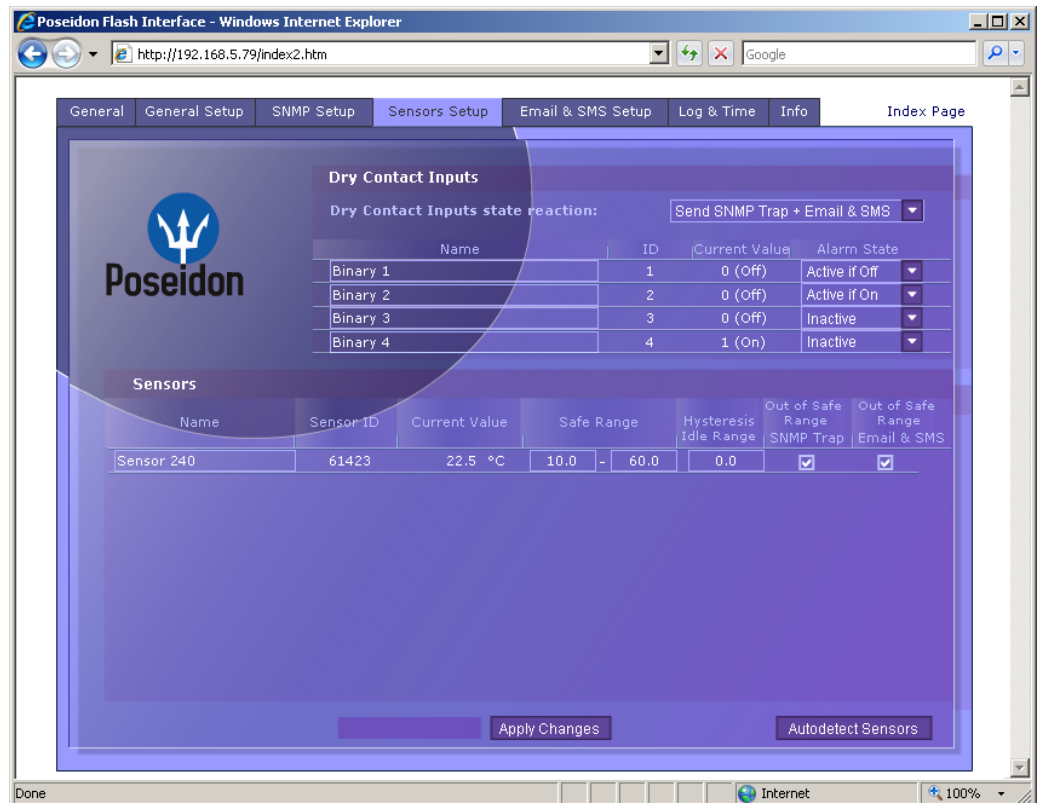
**Detecting the sensors**
In the "Sensors Setup" tab, click "Autodetect Sensors" in the lower right-hand corner.

**Controlling the outputs**
In the "General Setup" tab, in the "Output Settings" section in the upper left-hand corner, set an output value and click "Apply Changes".

**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

For more information about the configuration, see the manual or visit www.HW-group.com.