

# Poseidon2 4002

## Environment monitoring in a data center

Poseidon2 4002 is a system for remote monitoring of rack environmental conditions (occupies 1U). It monitors temperature, power supply, door contacts, and more.

Poseidon2 is SNMP-compatible and supports the SensDesk online portal or cloud sensor systems.

Alerts to open doors, A/C failure, power failure, and so on. Typical applications include remote monitoring of racks or server rooms.

Monitor temperature via SNMP (Nagios, Cacti, OpenView, ..) or with a smartphone app.

Poseidon can be used as a standalone device with email alerts, or as a part of a complex monitoring system (SNMP or SensDesk).

## Applications

### Data centers

- Remote rack and server room monitoring
- Temperature, humidity, smoke, vibrations, doors, motion, flood

### Server rooms

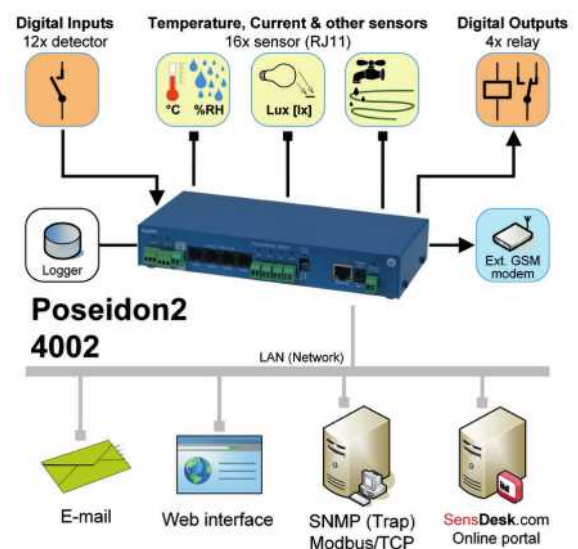
- Water leak detection
- Air conditioning operation
- Temperature, air flow monitoring

### UPS and back-up generator monitoring

- Fuel level in the tank
- Diesel generator status
- Remote start over IP

### Security systems

- IP surveillance systems (external sensors)



- ✓ Up to 40 sensors
- ✓ 12 digital inputs
- ✓ 4 relay outputs (NO/NC)
- ✓ Supports an external GSM modem
- ✓ SNMP, Modbus/TCP
- ✓ Connects to SensDesk.com
- ✓ Datalogger for 250,000 records

## Basic features

- Built-in web server for configuration. Logs data into internal memory
- Fits on a DIN rail or into a 19" cabinet.
- An external GSM modem (RS-232) can be connected to send alarms as text messages (SMS).
- SMS can also be sent through a remote "HWg-SMS-GW" connected over the network.
- IP Thermostat function: Relay is activated whenever a sensor reading is outside of a specified range.
- Alerts can be sent to 5 e-mail addresses or as text messages to 5 phone numbers.
- Compatible with HWg-Trigger, HWg-PDMS.
- Usable with more than 50 third-party software applications (SNMP, SCADA and more...).
- Support for programmers: HWg-SDK.
- Mobile app for Android and Apple products.

## Poseidon2 4002

Digital dry contact inputs	12
Digital outputs (NO/NC relay contacts)	4
<b>Sensors (external)</b>	
1-Wire UNI (6x RJ11 - 6x60m)	16
RS-485 senzors	24
<b>Logger</b>	<b>250 000 records</b>
GSM modem (text messages)	✓
SMS-GW client/server	✓
Periodic e-mail alarms	✓
SNMP / SNMP Traps	✓
Modbus/TCP	✓
HWg-Push	✓

## Supported sensors

Voltage and current measurements	✓
Temperature + humidity (indoor, outdoor)	✓
Temperature with Pt100 (converter for external probe)	✓
Light sensor (reacts to light turned on in a room)	✓
Door monitoring	✓
Power supply failure/detection (110/230V)	✓
Smoke detector	✓
Area flood detection with a WLD sensing cable	✓
Flood detection at a specific point	✓

## Physical features

Dimensions	100 x 213 x 35 mm (1U)
Power	9-30V / 0.5A jack + terminals
Temperature / humidity	-30°C to +85°C

## Physical features

Double-throw relay	1 A
Control	Modbus/TCP/XML /Local Condition
Condition	controls output according to sensor reading

## Accessories



Poseidon2 4002 Tset



Rack mounting brackets



GSM Quadband TC55i



Sensor WLD Relay 1W-UNI



PowerEgg2

<b>Poseidon2 4002</b>	Poseidon2 4002 is the unit only with no accessories.
<b>Rack mounting brackets</b>	Set of L-brackets o mount Poseidon2 4xxxx to a 19" rack
<b>Poseidon2 4002 Tset</b>	Poseidon2 4002, for a 19" rack, power adapter, two sensors (Temp 19 rack-mount and Temp-1wire 3m cable).
<b>PowerEgg2</b>	External unit to detect and control 230 V mains voltage.
<b>HTemp-1Wire Rack19</b>	Temperature and humidity sensor for a 19" rack.
<b>HWg-WLD Relay</b>	Water Leak Detection sensor 2+2m with Relay and 1-Wire UNI outputs.