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 “HW-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

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<td>1-Wire UNI (6x RJ11 - 6x60m)</td>
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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

Digital outputs (NO/NC relay contacts): 4

Supported sensors

- RS-485 senzors 24
- 250 000 records

Physical features

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

Accessories

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