

# HUJgroup

# Poseidon2 3268 MANUAL



# Safety information

The device complies with regulations and industrial standards in force in the Czech Republic and the European Union. The device has been tested and is supplied in working order. To keep the device in this condition, it is necessary to adhere to the following safety and maintenance instructions.

#### Never remove the device cover if the relay terminals are connected to the electrical network!

# Using the device in a manner other than prescribed by the manufacturer may cause its safeguards to fail!

The power supply outlet or disconnection point must be freely accessible.

#### The device must not be used in particular under any of the following conditions:

- The device is noticeably damaged
- The device does not function properly
- Unfastened parts can move inside the device
- The device has been exposed to moisture or rain
- The device has been serviced by unauthorized personnel
- The power adapter or power supply cable are noticeably damaged
- If the device is used in a manner other than designed for, the protection provided by the device may fail.
- The local electrical system must include a power switch or a circuit breaker and overcurrent protection.

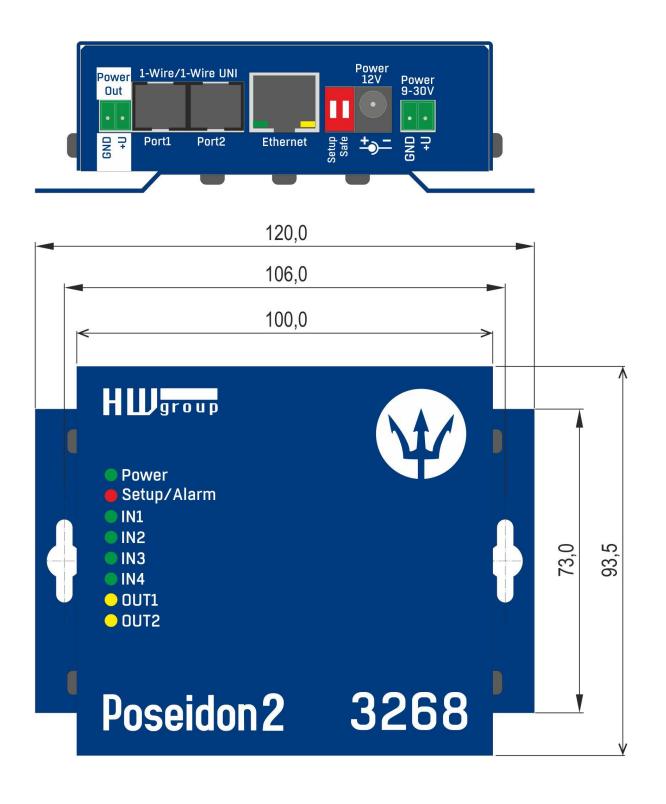
The manufacturer warrants the device only if it is powered by the supplied power adapter or an approved power supply.

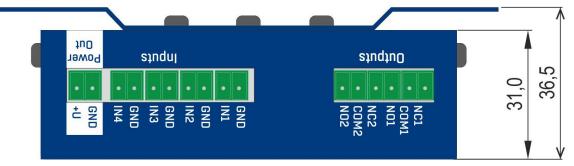
If you have any problems with installing or operating the device, please contact technical support:

HW group s.r.o. http://www.hw-group.com Email: support@HWg.cz

U Pily 3 143 00 Praha 4 Czech Republic Tel. +420 222 511 918

When contacting technical support, please keep at hand the exact type of your device (at the type plate) and, if possible, the firmware version (see later in this manual).





#### **First steps**

#### 1) Connecting the cables

- Turn the unit and write down its MAC address that is printed on the label on the side.
- Set the switches: <u>DIP1=Off</u>, <u>DIP2=Off</u>.
- Connect the unit to the Ethernet (with a patch cable to a switch, cross-over cable to a PC), RJ-45 port.
- Plug the power adapter into a mains outlet and connect it to the Poseidon power jack.
- The green **<u>POWER</u>** LED lights up.
- If the Ethernet connection works properly, the **LINK** LED lights up after a short while, and then flashes whenever data are transferred (activity indication).

# 2) Configuring the IP address – UDP Config

**UDP Config** utility – root directory of the supplied CD (Windows and Linux versions). Available for download at <u>www.HW-group.com</u> Software > <u>UDP Config</u>.

- Click the icon to launch UDP Config. The program automatically looks for connected devices.
- Automatic device discovery works only in the local network.
- Individual Poseidon units are identified by their MAC addresses (on the label at the bottom).
- Double-click a MAC address to open a basic device configuration dialog.

HW gr a		HW , www.hw-group. or the HW group de	Netmask:	-	0
Device list: MAC	Name	IP	Device type	Port	Parameters
00:0A:59:01:E0:3C		80.250.21.88	IP Watchdog lite		TCP setup=Y, DHCP=N
00:0A:59:00:BB:91	kotelna		iDo 5.15 Net		TCP setup=N, DHCP=Y
00:0A:59:00:B5:7D	Poseidon 3268 online	80.250.21.92	Poseidon model 3268	80	TCP setup=Y, DHCP=N
00:0A:59:00:B2:A0	Rack modrany	<u>193.179.198.212</u>	Poseidon model 3262	80	TCP setup=Y, DHCP=N
00:0A:59:10:20:36	HWg-STE	80.250.21.93	HWg-STE	80	TCP setup=N, DHCP=N
00:0A:59:00:B4:A0		192.168.1.63	Unspecified device	23	TCP setup=Y, TEA=N, NVT=Y
00:0A:59:03:10:52	Poseidon 2251 online	80.250.21.89	Poseidon model 2251	80	TCP setup=Y, DHCP=N
00:0A:59:00:B8:0D	Damocles MINI online	80.250.21.87	Damocles model MINI	80	TCP setup=Y, DHCP=N
00:0A:59:03:1A:16	Poseidon 4002	192.168.1.77	Poseidon 4002	80	TCP setup=Y, DHCP=N
00:0A:59:03:14:34	Possidon 1250 online	80.250.21.84	Poseidon model 1250	80	TCP setup=Y
00:0A:59:03:19:CA		<u>192.168.1.96</u>	Poseidon 4001	80	TCP setup=Y, DHCP=Y
00:0A:59:03:19:89		100 100 1 05			TCP setup=Y, DHCP=N
00:0A:59:03:19:A0	Poseidon 4001		n 4001		TCP setup=Y
00:0A:59:03:19:9A		Double clic			TCP setup=Y
00:0A:59:03:14:5B	Damocles 2404		s model 2404		TCP setup=Y, DHCP=N
00:0A:59:03:0E:41	Poseidon 3265	80.250.21.85	Posendon model 3265		TCP setup=Y, DHCP=N
00:0A:59:00:B9:95	Poseidon 3262	80.250.21.90	Poseidon model 3262		TCP setup=Y, DHCP=N
00:0A:59:01:88:54		<u>172.20.192.110</u>	PortStore4	80	TCP setup=Y, DHCP=N

#### First steps

#### Configure the network parameters

- IP address / HTTP port (80 by default)
- Network mask
- Gateway IP address for your network
- Device name (optional)

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

etails		
Name:	IP address:	Port:
Poseidon 4002	192.168.1.77	: 80
🥭 Open in WEB Browser	Enable DHCP	
Aask:	MAC:	
255.255.252.0	00:0A:59:03:1A:16	
Gateway:	FW version:	
192.168.1.253	2.0.4	
- 🔽 Enable IP access filter	Device type:	
IP filter value:	Poseidon 4002 (26)	
0.0.0.0	DHCP:	
IP filter mask:	Supported	
0.0.0.0	🔲 Enable NVT	
1	Enable TCP setup	<u>O</u> pen
Default values	Enable TEA authorisa	tion
🪀 Load <u>d</u> efaults		
	Check if new IP addr	ess is empty
Cancel	C Api	oly changes

Alternatively, you may use the following utilities to configure the IP address:

• UDP Config for Linux

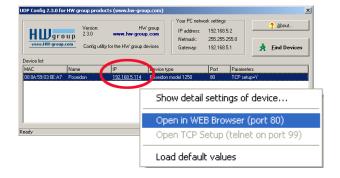
#### Important:

- To reset the device to factory defaults, toggle DIP1 several times within 5 seconds after applying power to the device.
- No configuration changes can be stored while DIP2=On. To change the IP address, set DIP2=Off.

#### First steps

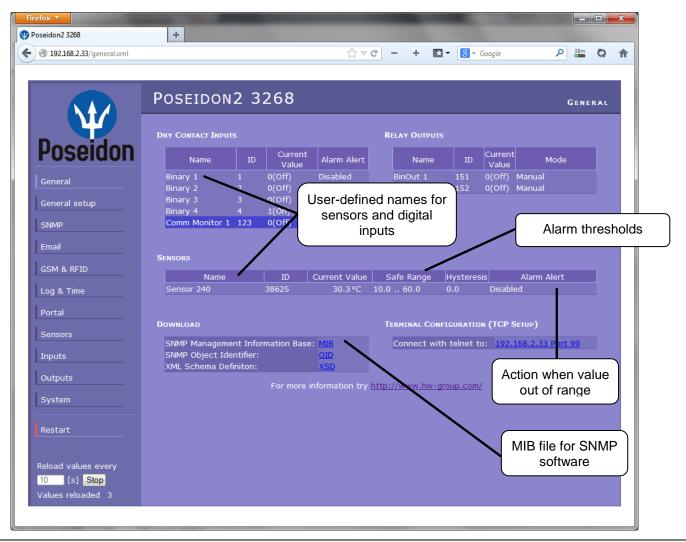
#### 4) WWW interface of the device

- To open the WWW interface of the device:
  - Enter the IP address into a web browser
  - 。 Click the IP address in UDP Setup

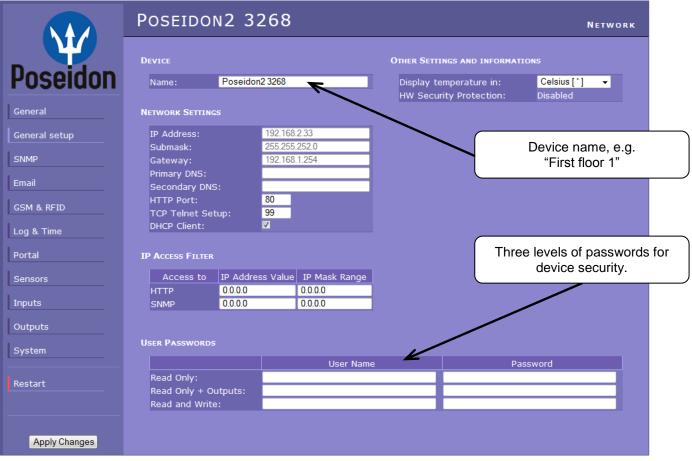


# Web interface of the device

- General: Overview of current readings
- General Setup: IP address, DNS, security (username/password)
- SNMP: SNMP / SNMP Trap configuration (ports and alarm recipients)
- E-mail: Configuration and test
- GSM & RFID: Configuration and test in order to use a remote SMS-GW
- Log & Time: Time configuration, NTP server
- Portal: Connection to a remote portal system
- Sensors: Device name, sensor names, status overview
- Inputs: Control of inputs and alert parameters
- System: Firmware upgrade, save/restore configuration, etc.



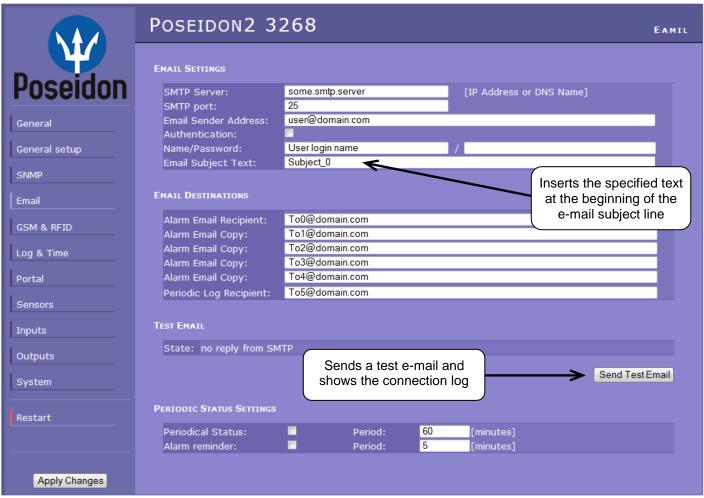
# **General Setup**



#### **SNMP**

	Poseido	N2 326	8					Networ	K AND TIM	E	
Poseidon	General SNMP S	ettings									
General	SNMP Access										
General setup	Comm	unity	Read \	Write Er	able						
SNMP	private		<b>V</b>		<b>V</b>						_
Email							5 de	stination	s for SNN	/IP Traps	S
GSM & RFID	SNMP TRAP DEST	INATIONS			_						_
Log & Time	Destination A. pu	Comr	munity			IP Address 192.168.1.242		Port 163	Enable		
Portal	в.	Dire			1	102.100.1.212					
Sensors	C. D. E.				1						
Inputs											
Outputs	MIB II SYSTEM G										
System	SysContact: SysName: SysLocation:	support@HWg Poseidon2 326									
Restart	Systeration.										
Apply Changes											

### E-mail



#### Periodic Status Settings

Periodical Status

When on, sends an e-mail with device status at the specified intervals. For example every 24 hours (1440 minutes).

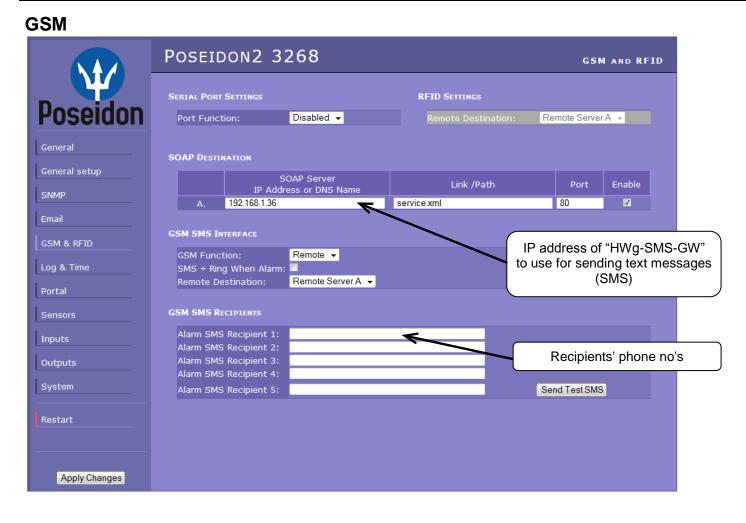
Alarm reminder

When active, sends periodic reminders that the device is in the Alarm state. For example every 15 minutes.

#### To send e-mail, check:

- 1) Correct Gateway IP address
- 2) **DNS server** in network settings
- 3) SMTP server and port
- 4) Authentication turned on, correct username and password
- 5) **Spam filter** for your mailbox is disabled

**NOTE:** Configuration changes must be confirmed by clicking the Apply Changes button.



#### Log & Time

	Poseidon2 3268		Log and Time
Poseidon	Date and Time Current Date: 01.11.2013 Current Time: 08:32:18	[dd.mm.yyyy] [24 hour format]	Press to synchronize the time with the specified server
General General setup	TIME SYNCHRONIZATION		
SNMP	SNTP Server: Time shift to server time (GMT):	time.nist.gov +1hour	[IP Address or DNS Name] [If you are in different zone]
Email GSM & RFID	Device Logger Settings		Synchronize Time
Log & Time Portal	Store all actual sensor values to th Total estimated logfile capacity is Report Log Period [h] 1	211 days, 0 hours and	
Sensors		Open log File Clear log File	
Inputs Outputs			
System			
Restart			
Apply Changes			

#### Portal

	Poseidon2 3268			Portal
Poseidon	Portal Message SensDesk.com: Check sensor online	<	Message	e from the portal
General	Portal		Enable connecti	ion to the remote portal
General setup	Portal Enable: Push Period:	900 [s] 0=Disable		
SNMP	Server Address:	www.sensdesk.com/po	ortal.php	
Email	IP Port: User Name:	80 Default 80 vitolmr		
GSM & RFID	Password: Current Push Timer:	qehgLs 743		
Log & Time	Current Log Timer: Current Autopush Block Timer:	143 0		
Portal	Manual Push:	Manual Push	Click to cor	nnect to the portal
Sensors	Sensors Autopush config			
Inputs	Name	ID	Current Value	Autopush
Outputs	Sensor 240	38625	30.3°C	0.0
System	DRY CONTACT INPUTS AUTOPUSH CONFIG	AutoPush co	nfiguration	
	Name	ID	Current Value	Autopush
Restart	Binary 1		0(Off)	
	Binary 2	2	0(Off)	
	Binary 3		0(Off)	
	Binary 4 Comm Monitor 1	4 123	1(On) 0(Off)	
Apply Changes		125	0(01)	

Configures the communication with the portal using the HWg-Push protocol. Poseidon2 is the active side and establishes the connection periodically and/or whenever a change in a sensor value exceeds the configured AutoPush value.

The <u>www.SensDesk.com</u> portal connection parameters are pre-filled.

#### AutoPush configuration

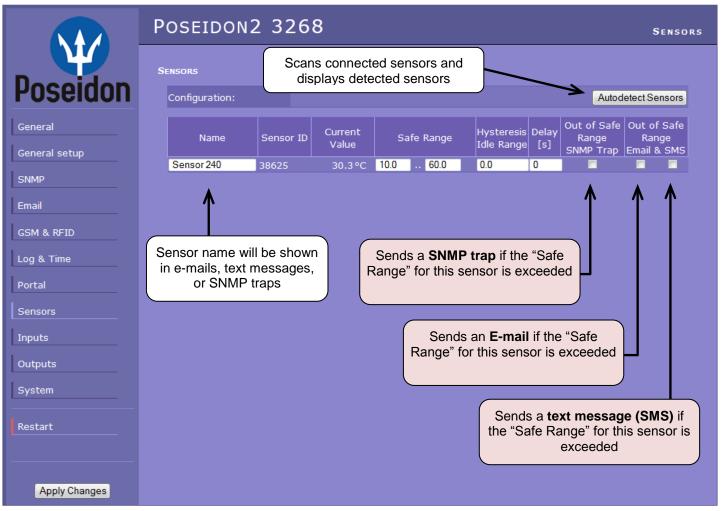
Poseidon2 connects to the portal and notifies a value change whenever a change in the sensor reading exceeds the configured AutoPush value.

This configuration only applies to the communication between Poseidon2 and the online portal. Local alarm values are configured in the portal.

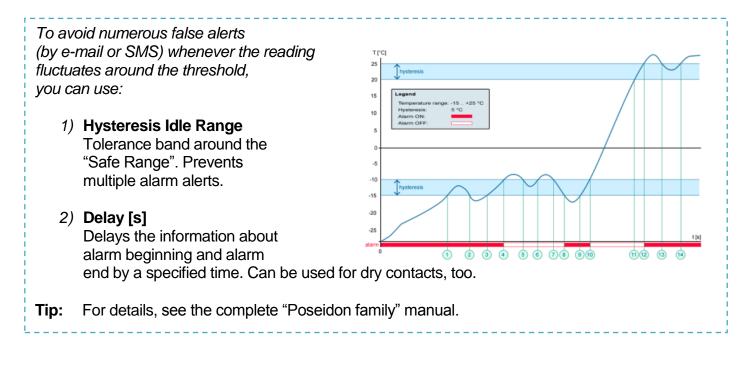
#### For portal connection, check:

- 1) Correct Gateway IP address
- 2) **DNS server** in network settings
- 3) Correct **Server Address** of the portal

#### Sensors



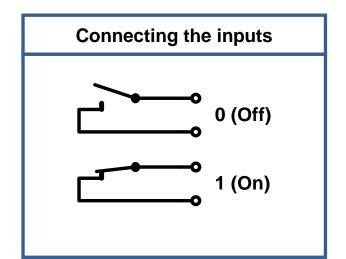
After connecting sensors or changing RJ11 connections, sensors need to be detected again.



**NOTE:** Configuration changes must be confirmed by clicking the Apply Changes button.

#### Inputs

	Poseidon2 32	68						Incure
_ ¥	DRY CONTACT INPUTS							INPUTS
Poseidon	Name	ID	Current Value	Alarm State	Delay[s]	Out of Safe Range SNMP Trap	Out of Rang Email &	ge
General	Binary 1	1	0(Off)	Active if on 👻	0		<b>V</b>	
General setup	Binary 2	2	0(Off)	Active if off 👻	0			
	Binary 3	3	0(Off)	Disabled 👻	0			
SNMP	Binary 4	4	1(On)	Disabled 👻	0			
Empil	Comm Monitor 1	123	0(Off)	Disabled 👻	0			
Email GSM & RFID Log & Time						1		
Portal Enter Dig will be sh	gital Input name, hown in e-mails, isages or SNMP traps	Active Alarm v closes Active Alarm v opens	when the con (1 = On) <b>if Off</b> when the con (0 = Off) <b>ed</b>	ntact	• C • S • S	ction to dig Disabled Gend a SNM Gend an E-r Gend a SMS	IP Trap nail	
Apply Changes								



FAQ
Poseidon2 informs about alarm activation and deactivation for each Digital Input and/or sensor.
E-mail format cannot be changed; sensors may have custom names.
Yellow background in a line with a sensor or an input means that the safe range is exceeded but alarm notification is off.

#### NOTE:

TIP

Configuration changes must be confirmed by clicking the Apply Changes button.

#### Poseidon family manual

For a detailed description of all settings and tabs in the configuration interface, see the "**Poseidon Family**" manual. Available on the WEB or on the install CD.

### Outputs

	Poseidon2 3268			OUTPUTS
$\mathbf{\Psi}$	RELAY OUTPUTS Choose the output	t mode		
Poseidon	Name ID Current Value	Output Control	Target Value	Depend on
General	BinOut 1 151 0(Off)  Manual OLocal Con	Change dition On if value equal to Trigge		Sensor 240(38625) 🗸
General setup	BinOut2 152 0(Off)  Manual OLocal Con	dition On if any alarm	e to On • 0.0	none
Email		T	A	1
GSM & RFID		_	~	
Log & Time	Manual mode:	Lo	cal Condition	n mode:
Sensors	Output controlled over the WEB or M2M protocols		ontrols the outhe specified	Ittput according
Inputs				
Outputs System				
Restart				
Apply Changes				

#### Output mode:

#### A) Manual

Output <u>can</u> be controlled using the Web interface or externally using M2M protocols. The output <u>cannot be used in "thermostat" mode</u> – local condition.

#### B) Local Condition

The output <u>cannot</u> be controlled using the Web interface, it is controlled by the local condition. The output is read-only for all M2M protocols. Hysteresis configured in the sensor settings applies.

The output cannot be controlled remotely.

- On if any alarm The output is active if at least one input or sensor is in alarm.
- On if value equal to Trigger
   The output is active if the selected sensor reading is equal to the "Target Value".
- On if value higher than Trigger
   The output is active if the selected sensor reading is greater than the "Target Value".
- On if value lower than Trigger
   The output is active if the selected sensor reading is less than the "Target Value".
- **Dependent On –** sensor / input to which the condition applies.

#### System

	Poseidon2 3	3268		System
Dessiden	COMMUNICATION MONITOR	٤		
Poseidon	Modbus: XML/HTTP:			
General	SNMP: Time:	0 [s]		
General setup	CONFIGURATION			
SNMP	Load Configuration:	Procházet. Soubor nevybrán.		Upload
Email	Save Configuration:			Download
GSM & RFID	System			
Log & Time Portal	Uptime:	12days,12hours, 43minutes		Restart Device
Sensors	Device FirmWare:	1.1.6		Update FW
Inputs				
Outputs System			Uploads new	firmware from
Restart				PC
Apply Changes				

#### **Communication Monitor**

This function controls a virtual Digital Input that is available in **Inputs** as "Com Monitor 1" with an ID of 123. If no communication took place in the specified time using the selected protocols, it sets "Com Monitor 1" = 0 (Off).

This function is useful e.g. to send a warning e-mail whenever Poseidon2 ceases to be periodically monitored over SNMP or SCADA.

#### Configuration

- Download retrieve the configuration from the device and store it on the PC.
- Upload send a saved configuration from the PC to the device.

**NOTE:** Configuration changes must be confirmed by clicking the Apply Changes button.

# Software Applications

# HWg-PDMS

Windows application that logs data from all HW group devices into its internal database.

The application runs in the background (NTservice). Data are received from the device over http or e-mail.

Data can be exported over XML or automatically stored to MS Excel.

M HWg-PDMS 2.1.7 - Logged in user	
<u>File Edit View T</u> ools <u>H</u> elp	
Status Device List Sensor List	
	DDMC
Poseidon & Damocles Monito Overview:	ring System PDMS
90	Periodic XLS Reports:
Interest of the second	Conine-demos-weekly
Device:         Interval:           Progue Possidon 2250         Last 7 Days         <         >>>         Save Chart As           Sensor.         From:         To:         To:         Refresh Chart As           T-Duddoor PRG = 721 %RH         10.9.2013 < 11:1057 < 17.9.2013 < 11:1057          11:1057          Refresh Chart As	Add Report Preview Open Report Folder
Status:	Sensor List:
4 devices 0 devices not responding 12 connected sensors 0 sensors not responding 2 sensors Out of Range or in Alarm	Hum MB, SI 93.8 % RH T-Outdoor PRG 72.1 % RH Battery Monitor 100 % External Power On
Log Messages: Device Filter. None	H-Outdoor PRG 11.5 °C Lx light 32 % E RH Jan BMW car 56.0 %RH
173 2013 11:1053: Control Server: Authorize successful 127:0.01:50576         Actual sensor reading interval:           173 2013 11:1057: Chart: Generating [from 10.9.2013 11:10:57 to 17.9.2013 11:10:57]         interval:           173 2013 11:1058: Chart: Finished successful [count: 50/2]         1           173 2013 11:1058: Deart: Begin transaction successful         1           173 2013 11:105: Chart: Finished successful         1           173 2013 11:105: Chart: Finished successful         1           173 2013 11:105: Chart: Finished successful         1	H Jan BMW car 56.0 % H Sensor 215 23.5 °C Sensor 216 44.4 % RH T Jan BMW car 25.812 °C Tenno MB. SI 9.3 °C
17.9.2013 11:11:02: SQL: Commit transaction successful (total: 7812, commited: 5, buffered: 0)	T-Indoor PRG 12.5 °C T
Vext sensor reading: 0:00:58 Next report generating: On 23.9.2013 at 0:00:00	//

License: Free HWg-PDMS version for 3 sensors Paid versions for 8 / 20 / 200 / unlimited sensors

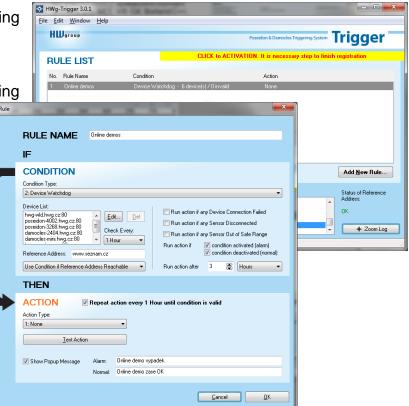
# HWg-Trigger

Windows application for detecting and reacting to events.

Detects, for instance, disconnected devices, failed sensors values out of range, or incoming SNMP Trap alerts.

Possible responses include sending an e-mail, activating a relay over the network, or sending a text message (SMS) using HWg-SMS-GW.

Other responses include displaying a warning message in Windows, starting an application, or shutting down the computer.



#### License: 30-day trial version free of charge

# PosDamIO

Poseidon Damocles I/O is a command-line utility for Windows and Linux that lets you control Poseidon and Damocles units over the XML interface. It can display the states of sensors, inputs and outputs, as well as set an output high or low.

Cutianni	ante torti						
"to				Get actual values and grint list for output 3(1.64) to value Y (0.1.677,066 File with configuration for value in the File with configuration for value in the File is store remote davise configuration File is store remote davise in the forwart file is attack at a store in the forwart file is attack at a store in the forwart filt mathematical is user HTT anthematical store with			
-h,hel arr	p uice ur-level				and exit information an ould and exit	d exit	
peodanio peodanio mondanio	-a 1+04 19 -a 1+1 192 -f setep.a	2.168.8 .168.8 .83 192	45 080	9 -11	nalaan. mal 192.1	68.9.45	
exit	111.00						
exit Fr-DunPecIG	-poodania)	pordani ecting	e 192. EK	168.1.144			
exit Fr-DumPecIG 172.160.1.3 CET setsp.2	rapoplanda) 44188 cana al. 68	écting.			Proton 19 192-108-1-144		
exit Fy-DumPecIC 192.160.1.1 192.160.10 192.160.10 EE.BL.1928 EE.BL.1928	rapoplanda) 44188 cana al. 68	Bewies Fone id	. 68 		192.168.1.144		
rx10 FT-DasPec16 192.160.1.1 GT setsp.> D4TE RL.01.1970 13 Hose	racodania) 41188 cana al. 08 1198 81185119	Bewies Fone id	. 68 	a	192.168.1.144		
Exit F::DusPucIC 172.150.1.1 CET setap.5 DOTE E0.80.1970 TD Hame #LAOM state	racodania) 44198 case al. 08 TIPE 83185117	bet ing. Device Fore id Value	. 68 	a	192.168.1.144		
exit Fy-DumPecIC 192.160.1.1 192.160.10 192.160.10 EE.BL.1928 EE.BL.1928	racodania) 44198 case al. 08 TIPE 83185117	bet ing. Device Fore id Value	ex anne in 321 Unit	a alana	192.168.1.144 Safe Bange		
KALT Fr-DaniPeilG T72.164.1.3 CET ovtep.3 DETE BL.BL.1970 TD Hane KLADE Ltate 32299 Secon Sensers: 1 Block 2 Block	r popdawiał 41780 caw al. 08 TIPE 81085119 - 248 - 1 - 248 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	bet ing. Device Fore id Value	ex anne in 321 Unit	BLADH BLELINN BLELINN INNET IVE INNET IVE	192.168.1.144 Safe Bange		
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#### SensDesk.com

Online portal for collecting data from LAN and GSM sensors.

Poseidon2 can connect to the SensDesk internet service. All devices can be managed from a single WWW interface. Watch sensor states, display your devices in a map, compare trends in time and analyze alarm messages.

SensDesk is a way to implement fully functional monitoring of customer technology in a matter of minutes, with fixed costs of the system. No need for installing a complex system or adding another server at the customer side.

Firefox 🔻									x
Dashboard	d   SensDesk	× 👽 Poseidon2 3468	× +						
<b>( )</b>	w.sensdesk.com				🚖 ⊽ C 🔡 ▾ Google	م		45m	⋒
		-1		Login: rehak3		My account   Messages	Log o	ut	^
	Sens De	SK							
	IPser	sorsportal							
Dash	board Devices	Sensors Device gr	roups						
Dash	board								
	Only alarm values		Only sensors with problem with logging	9 Devices in group:	- All Device groups - 💌	APPLY FILT	ER		
HW	g-STE Push Ja	n Office (ID: 35)							
Se	ensors with unit	°C (Temperature)							
	Office STE ind. test 30 min 46 sec sgo	Office STE Outdoor 1 min 25 sec ago							
	28.5	23.2							
		17.5							Ξ
N.	9.5 415	47							
	23.7 °C	18.3 °C							
Are	s14 (ID: 92)							1	
Se	ensors with unit	: °C (Temperature)	Sensors with unit: % (Percent)	Sensors	with unit: (Switche	es)			
	Office Outdoor	OfficeAr14 Test	Battery Monitor 29 sec ago	External Power	Input 1 28 sec ago	Input 2 28 sec ago			
	28 sec ago		100 - 100	28 sec ago	28 səc ago	28 590 890			
		82.1 52.2		1 1.5	ON	1 0.5			
	10 60	335	25						
	,15 85	1.5		AS 1.5		,45 1.5			
	15.974 °C	23.062 °C	76 %	O°C	OFF	0°C			
								í	
									-

- Overview of all sensors at a single place
- Centralized alarm configuration for individual sensors
- Mobile application for monitoring
- Remote configuration of GSM devices.

www.SensDesk.com

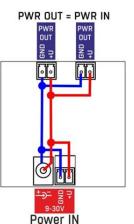
# **Specifications**

ETHERNET	
Interface	RJ45 (100BASE-Tx) – 10/100 Mbps network compatible
Supported protocols	IP: ARP, TCP/IP (HTTP, NTP, SMTP, netGSM, HWg-PUSH), UDP/IP (SNMP)
SNMP compatibility	Ver.1.00 compatible, partial ver.2.0 implementation
Logger	
Internal memory	250,000 records in flash memory
Logged items	Sensors, DI, DO
SENSORS	
Туре	HWg original accessories: 1-Wire & 1-Wire UNI
Connector	2xRJ11
Sensors	Up to 8 sensors in total (temperature + humidity combo sensors count as 2 sensors)
Sensor distance	Up to 60m
DI (Digital Inputs for D	
Port	11, 12, 13, 14
Туре	Digital Input (supports NO/NC Dry contact)
Sensitivity	1 (On) = 0–500 Ω
Max. distance	Up to 50m
OUTPUTS	
Port / type	OUT1, OUT2 / Relay contacts (NC-COM-NO)
Max. voltage	60V AC/DC
Max. load	Max 1A, up to 60VA/24W (0.5A/48V)
State	Power up state (no state restart memory)
POWER input	
Port	POWER 9-30V DC
Power input	9-30V DC / 2,5W (typically 250 mA)
	Connectors: Jack (barrel, inner 2.5 mm outer 6.3 mm) + Terminal Block
POWER output	Dewar Out - Dewar IN (0, 20) ()
Voltage Current / Connector	Power Out = Power IN (9–30V) Max. 150mA / Terminal Block
LED status indicators	
POWER (RJ45 + top)	Green – power OK (top), Ethernet enabled (RJ45)
LINK & Activity (RJ45)	Yellow - Ethernet connectivity
Setup / Alarm	Red
Inputs	Green
Outputs	Yellow
DIP SWITCH	
	OFF = Normal state
DIP1: Setup	Load defaults: Set ON, power-up device, toggle 3 times during first 5 seconds
	ON = Secure mode (online demo) – remote configuration disabled
DIP2: Security	OFF = Non-secure mode – remote configuration enabled
Physical parameters	
Temperature range	Operating: -30 to +85 °C (-22 to 167 °F) / Storage: -35 to +85 °C (-31 to +185 °F)
Dimensions / Mass	145 x 90 x 45 [mm] / 225 g
EMC	FCC Part 15, Class B, CE - EN 55022, EN 55024, EN 61000

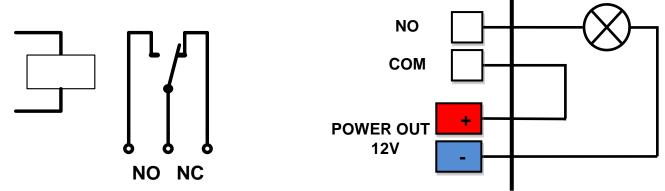
# **Power output**

Poseidon2 3268 features the PWR OUT terminals for powering connected sensors and detectors. For example a smoke detector.

#### PWR OUT voltage corresponds to the Poseidon 3268 supply voltage!



**Relay outputs** 

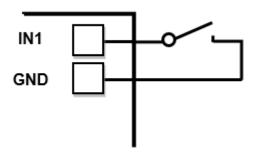


- NO and NC labels apply to Off (0) state, or device turned off
- When the output is On (1), a "Normally Open" (NO) relay contact is closed
- LEDs: Contact state (closed / open) is indicated by a LED
- Isolation: The double-throw contact is electrically isolated from the rest of the device
- ID range: Outputs use ID addresses from 151 to 180

# Inputs – Digital (dry contact) inputs

Digital input terminals may be connected to voltage-free contacts or the GND pin. The inputs are electrically connected to the 12V power supply. <u>Never connect the inputs to the 48V supply voltage</u>!

- Unconnected inputs read as "0 (Off)"
- Active inputs read as "1 (On)"
- Supported sensors: Any contact without external voltage (dry contact)
- Polling period: 800 ms
- Range of sensor IDs: Inputs use IDs from 1 to 24



# M2M interface

The product is ready to be connected with third-party SW applications. For a description of the interfaces (XML format, detailed SNMP description, mapping of Modbus/TCP variables), see the detailed "**Poseidon family**" manual.

- XML (over HTTP)
- SNMP , SNMP traps
- Modbus/TCP
- SMTP (E-mail)

TIP

• For a detailed description of the M2M communication interface and other details, see the **detailed Poseodin family manual**.

# SDK (Software Development Kit)

Programmers can take advantage of the **HWg SDK** (Software Development Kit) with an ActiveX interface and ready-made examples.

- VB Visual Basic (6.0) (3xx examples)
- Borland C++ (1xx examples)
- Microsoft Visual C++ (2xx examples)
- C# / .NET (5xx examples)
- Borland Delphi (4xx examples)
- JAVA
- PHP / ASP
- **other** examples that do not directly use SDK functions (all 9xx examples)

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Note:

The latest version of HWg-SDK is available for download at the HWg website. You just need to register your e-mail.

# Updating the firmware over the WEB

Upload the **.hwg** firmware file over http to <u>http://x.x.x.x/upload/</u>. Connection problems must be avoided during file transfer.

🚈 File Upload - Microsoft Internet Explorer								
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Firmware in the .HWg format is available at our website, or on the supplied CD.

# **Restoring factory defaults**

To restore the factory default configuration (including deleting all passwords):

- 1) Turn the device off by disconnecting power.
- 2) Set DIP1 to ON.
- 3) Turn the device on.
- 4) Toggle DIP1 several times during the first 5 seconds after powering up.

#### TIP

• For a detailed product description, see the **detailed Poseidon family manual**.



# Contact



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