

Poseidon 3468 MANUAL



Package contents

A complete shipment contains the following items:

- Poseidon 3468
- Printed manual + datasheet

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 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: <u>support@HWg.cz</u>

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 upside down and write down its MAC address that is printed on the label.
- Set the switches: DIP1=Off, DIP2=Off.
- 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 **POWER** 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> <u>Software</u> > <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 (label at the bottom side).
- Double-click a MAC address to open a basic device configuration dialog.

HW gro	Version: 4.9.1	HW g www.hw-group.	group com Netmask: 2	. settings 192.168.2.11 255.255.252.0		? <u>A</u> bout
www.HW-group.	com Config utility fo	r the HW group de	vices Gateway:	192.168.1.253	*	Find Devices
)evice list:						
MAC	Name	IP	Device type	Port Pa	arameters	
00:0A:59:01:E0:3C	·	80.250.21.88	IP Watchdog lite	99 TI	CP setup=Y, DHCP=N	
00:0A:59:00:BB:91	kotelna	<u>193.179.198.213</u>	iDo 5.15 Net	0 T(CP setup=N, DHCP=Y	
00:0A:59:00:B5:7D	Poseidon 3268 online	80.250.21.92	Poseidon model 3268	80 T (CP setup=Y, DHCP=N	
00:0A:59:00:B2:A0	Rack modrany	<u>193.179.198.212</u>	Poseidon model 3262	80 T (CP setup=Y, DHCP=N	
00:0A:59:10:20:36	HWg-STE	80.250.21.93	HWg-STE	80 T (CP setup=N, DHCP=N	
00:0A:59:00:B4:A0		192.168.1.63	Unspecified device	23 T(CP setup=Y, TEA=N, NV	/T=Y
00:0A:59:03:10:52	Poseidon 2251 online	80.250.21.89	Poseidon model 2251	80 T (CP setup=Y, DHCP=N	
00:0A:59:00:B8:0D	Damocles MINI online	80.250.21.87	Damocles model MINI	80 T (CP setup=Y, DHCP=N	
00:0A:59:03:1A:16	Poseidon 4002	<u>192.168.1.77</u>	Poseidon 4002	80 T (CP setup=Y, DHCP=N	
00:0A:59:03:14:34	Reseidon 1250 online	80.250.21.84	Poseidon model 1250	80 T (CP setup=Y	
00:0A:59:03:19:CA		<u>192.168.1.96</u>	Poseidon 4001	80 TI	CP setup=Y, DHCP=Y	
00:0A:59:03:19:89		192168195	Poseidon 4001	80 TI	CP setup=Y, DHCP=N	
00:0A:59:03:19:AU	Poseidon 4001	Double clic	k for 14001	80 10	CP setup=Y	
00:04:59:03:19:94	D 1 0101	details	14001	80 II	LP setup=Y	
00:04:59:03:14:58	Damocies 2404	00.050.01.05	Is model 2404	80 II	LP setup=Y, DHLP=N	
00:04:53:03:0E:41	Poseidon 3265	80.250.21.85	Pose son model 3265	80 II	UP setup=1, DHUP=N	
00:04:03:00:63:35	Foseidon 3262	<u>00.200.21.30</u>	Poseidon magei 3262		UF Setup=1, DHUP=N	
HERE DO LONG THE 1887 DA		172.20.192.110	PortStore4	50 II	JF setup=1, DHLP=N	

Poseidon 346	8
DIP1: ON = RS-232 Setup 96	00-8N1
DIP2: ON = HW SECURITY N	NODE
MAC: 00:0A:59:03	3:0C:55
S.N.:	
Input: 520V Relay contact: 5A/110V AC, 24V/5A DC HW group s.r.o. www.HW-group.com MADE IN CZECH REPUBLIC	Vcc 12-24V DC I _{%p} : 0.6A = + E CE

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: Poseidon 4002	IP address: Poi 192.168.1.77 : 80	t:
🥭 Open in WEB Browser	Enable DHCP	
task:	- MAC:	
255.255.252.0	00:0A:59:03:1A:16	
iateway:	FW version:	
192.168.1.253	2.0.4	
 Enable IP access filter IP filter value: 	Device type: Poseidon 4002 (26)	
0.0.0.0 IP filter mask:	Supported	
0.0.0.0	Enable TCP setup	<u>)</u> pen
Load defaults	Enable TEA authorisation	
	Check if new IP address is	empty
X Cancel	😷 Apply ch	anges

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

- UDP Config for Linux
- RS-232 serial port (any terminal program, 9600 8N1, DIP1=ON, restart)

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:
 - $_{\circ}~$ Enter the IP address into a web browser
 - Click the IP address in UDP Config
 - Click the underlined IP address in UDP SETUP
- The WWW page displays current states of devices and sensors.
- Click the "Graphic Flash SETUP" link to open the graphical configuration interface (Flash Setup).

Device IP address



HW group



Flash SETUP

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To open the FLASH interface, FLASH support needs to be installed on your PC. If the computer is connected to the Internet, the needed plug-in is downloaded automatically.

- General: Overview of current readings
- General Setup: IP address, DNS, security (username/password or IP range)
 - **SNMP:** SNMP / SNMP Trap configuration (ports and alarm recipients)
- Email & SMS: Configuration and test
- Log & Time: Time configuration, NTP server
 - (Sensors:) Device name, sensor names, status overview
- Outputs: Control and mode configuration of outputs
- System:
 Firmware upgrade

General General Setup SNMP Email & SMS Log & Time Sensors Inputs Outputs System Info Index Page



Refresh: The Refresh function in the main tab sets the time interval for displaying new sensor readings.

Email & SMS

General	General Setup	SNMP	Email & SMS	Log & Time	Sensors	Inputs	Outputs	System	Info	Index	Page
			imail Settings						- 5110		
P		F	ort mail Sender Ad	25 dress us	er@domain	.com		Address c			
	Joordon	¢ N E	uthentication lame/Password mail Subject Te	Nu Us ext Su	o er login nar ibject_0	me					
			llarm Email Rec llarm Email Cop	ipient To y To	0@domain. 1@domain.	com com					
	Sends a test e- shows the conne	mail and ection log		ipient				→ Ser	id Test E	mail	
		(SSM SMS Inter	face					Enab	le 🗹	
		F 	RS-232 GSM Mod MS + Ring whe MS Center Nun Narm SMS Recip Narm SMS Recip	fule Wa n Alarm nber bient 1	aiting for m	odem		Sei	nd Test (SMS	
						Apply C	hanges				

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.

Sensors

Gener	al General Setup	SNMP E	imail & SMS	Log & Time	Sensors	Inputs	Outputs	System	Info Index Pa	ige
	Sensors									
	Name	Sensor ID	Current Value	Safe R	ange	Hysteresis Idle Range	Delay [[s]	Out of Safe Range SNMP Trap	Out of Safe Range Email & SMS	
	Temp Rack19	57982	25.5 °C	10.0	60.0	0.0	0	V		
	Htemp Rack 19 T	10918	26.1 °C	10.0 -	60.0	0.0	0	V		
	Htemp Rack19 H	22253	25.6 %RH	10.0 -	60.0	0.0	0			
	Temp 1wire	51229	26.8 °C	10.0 -	40.0	0.0	0	✓		
Sens in the	or name will be sh e e-mail, text mess or SNMP traps	own age,			Sends Ra	a SNMP t ange" for ti is exce	rap if the his sense eded	e "Safe or		
	Sends a text message if the "Safe Range" for this sensor is exceeded									
	Scans connected sensors and displays detected sensors									
				Appl	y Changes			Autoo	letect Sensors	



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

Inputs

General	General Setup	SNMP	Email & SMS	Log & Time	Sensors	Inputs	Outputs	System	Info	Index Page
		D	ry Contact Inp	uts						
	Ŵ	U	ry Contact Inpu	ne state reac	IION:	Ina L Current	Value	Alarm Sta	te i	Delavísi
Dr	ncoidon	Bin	ary 1	/	1 1	0 (0ff	n Ir	active		
FU	Seluon	Bin	ary 2		2	0 (0ff) A	rtive if On		
		Bin	arv 3		3	0 (off) A	ctive if Off		
		Bin	ary 4	_/	4	0 (Off) Ir	active	•	
		Bin	ary 5	/	5	0 (Off) Ir	active	•	
		Bin	ary 6		6	0 (Off) Ir	active	•	0
Enter show	sensor name, w m in E-mail, SM SNMP traps	rill be S or	 ALARM CO Active if Alarm wh closes (1) Active if Alarm wh opens (0) Inactive No alarm 	NTACT STA On hen the conta I = On) Off hen the conta I = Off)	TUS: ct ct	Appl	REAC • In • Se • Se • Se	CTION TO active end a SN end an E-i end Email	CON MP Tr nail and S	TACTS: ap SNMP Trap



	FAQ
•	Poseidon informs about alarm activation and alarm deactivation for each contact 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 details about the settings and all tabs of the configuration interface, see the "**Poseidon family**" manual on the web or on the install CD.

Outputs

G	eneral	General Setup	SNMP	Email & SMS	Log & Time	Sensors	Inputs	Outputs	System	Info	Index Page
	Outpu	i ts Settings Name	D Current		Output Control			Targe	et c	epende	nt on
	BinOut	11	51 Off(0)	• Manual • Local Condi	ition On if valu	e higher tha	an Trigge	26.0	Sensor	240(65)	264) 🔽 🗲
	BinOut	21	52 Off(0)	Manual DLocal Condi	Chang	e to On					
	(Choose output r	node		Manual mod Output contro WEB or M2M	e: blied over I protocols	the				
								Local Output "Htem the ter	Conditio t activated p Rack 19 np excee	n mode d by the)" sens ds 30°(e: e or if C
	HW S	Security Protection	n Disabled								
					Арј	ly Changes					

Output mode:

A) Manual

Output <u>can be controlled</u> in the Flash interface, or from any application using M2M protocols (XML, SNMP, Modbus/TCP).

The output cannot be used in "thermostat" mode – local condition.

B) Local Condition

The output <u>cannot be controlled</u> in the Flash interface. The output is controlled with a specified condition. The output is read-only for all M2M protocols. The output <u>cannot be controlled remotely</u>.

On if any alarm

The output is active if at least one of the inputs or sensors is in alarm.

- On if value equal to Trigger
 The output is active if the sensor reading matches the "Target Value".
- **On if value higher than Trigger** The output is active if the sensor reading exceeds the "Target Value".
- **On if value lower than Trigger** The output is active if the sensor reading is below the "Target Value".
- **Dependent On –** sensor / input to which the condition applies.
- *Note:* Configuration changes must be confirmed by clicking the Apply Changes button.

Software Applications

HWg-PDMS

Windows application for data logging and quick export of reports to MS Excel. Sensor readings from connected devices are stored in a database. Readings are received over XML (http) or e-mail. Works with the PD Trigger application to process alarms.

The database can be accessed from a MS EXCEL sheet, or through an API (examples are available for .NET, VB, C#, Borland C++, Delphi, Microsoft C++).

Status Device List Sensor List						
						HID PDMS
Overview:						Periodic Report Templates:
500 Fer 0 1						☑ Report!
21:56:09 23:01:12 23:01:12	22.08.14	22:16:19	22.28.24	22.36.28	22.46.33	
Device: Sensor: Poseidon 3265: Humid 1Wire = 27.8 %RH	Interval: Last Hour From 8.4.2009	21:48:10	Τα: 8.4.2009 💌	22.48.10	<u>R</u> efresh	Add Breview
Status: 120 connected sensors 2 sensors in alarm 0 sensors net respoding	1 devices O devices no	t responding		Add <u>D</u> i Edit C	evices & Sensors evices & Sensors	Alarm Sensor List 13 switch = On V1 Sens-UI = 5.3 V 11 Sens-UI = 4.2 mA
Log messages: Posidon 1250 online: Getting values successf mess: BEGIN serves COUMIT serves Count = 520543 (prinustek: 57)	ul			•	+ Zoom Log	

NOTE: Free HWg-PDMS version for 3 sensors

PD Trigger

To read the PD reacts instanc (Availa

react to alarms and to control outputs, PD Trigger application can be used. It cts to incoming Alarm alerts by, for cance, activating a networked relay. ailable for download at our website.)	General Show This Computer Ethernet Address Image: Computer Ethernet Address Image: Computer Ethernet Address Rule List No Name Filter Stat edge Message Action type Command 1 11/2 feed message 11/2 Alarm stat & stop No Output Curren: Command 3 118 pays sound *117 Alarm stat & stop No Output Curren: Curren: Stat 9192-1881.99.80.151 eX 3 118 pays sound *118 Alarm stat No Sound C://WINDOWSMeds/tada wav 4 113 send SMS *119 Alarm stat No Send SMS c:/Pogum Filer/HW goup/PD Taigger/sms_send exe 5 132.168.1.* statup 192.168.1.* Device statup Yes Output 3IP2:80.151=1
PD Trigger Events	
Condition: 192.168.1.* startup	Output Action Wizard
Time: 31.2008, 16:02:01 Device IP Address: 192.168.1.68 Source Name: 192.168.1.68 Value: start Alarm Status: alarm Condition: #10 play sound, Source: 192.168.1.* start, Status: alarm, Device: Condition: #12.168.1.* Source: 192.168.1.58 Condition: 192.168.1.* Source: 192.168.1.68 Source: 192.168.1.68 Condition: 192.168.1.* Source: 192.168.1.68 Source: 192.168.1.7 Sourc	Device List ⊕ ♣ 80.250.21.87:80 · Damocles model mini ♣ 80.250.21.87:80 · Damocles model 1250 ♣ 80.250.21.86:80 · Domocles model 2404 ⊕ ♣ 80.250.21.86:80 · Doseidon model 3265 ♣ 80.250.21.85:80 · Poseidon model 3265 ♣ 80.250.21.85:80 · Poseidon model 3265 ₱ ♣ 80.250.21.85:80 · Poseidon model 3265 ₱ ♣ 80.250.21.85:80 · Poseidon model 3265 ₱ ♣ 192.1681.16:180 · Poseidon model 3265 ₱ ♣ 192.1681.01:80 · Poseidon model 3265 ₱ ♣ 192.01 · Poseidon model 3265 ₱ ♣ 190.01 · Poseidon model 3265 ₱ ₱ ₱ ₱ ₱ ₱ ₱ ₱ ₱ ₱ ₱ ₱ ₱
Show Logfile Show Configurator	Manual Configuration Output Action IP Address: Port: 80.250.21.84 : Image: Set to DFF C Set to DN C Set to DN C Set to DN Set to DFF when alarm active C Set to DFF when alarm active Image: Search interfaces finished Image: Search interfaces finished

O PD Trigger 1.4.2 Configurator

NOTE: Free HWg-PD Trigger version for 2 conditions

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.

Co Bushes 10							
Enage: pond	opendancial inte COPTI	Cest 1 11		SE LPORT	Gefault: 8823		
Rytians: W	P.396 .8% FL	Gental Balans	Set settal values and prist list of services of 11.60 tests 7.0, 1.007, 000 Fils with configuration for spinsing to the recent drains (ass., 1880) hytes) Fils to store satural values in 55, forwart Fils to store remote drains can figuration fils to store remote drains in the forward fill mathemication user				
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Examples : peodamico peodamico peodamico peodamico peodamico	-9 192,160 -0 cTvdate -0 1-0M 19 -0 1+1 193 -f setep.3	.#.41 2.168.0 .168.0 #3 192	201	erstatas 18	nalass.sml 192.1	68.9.41	
SEI sutput	11. 08	ecting.	×				
FT-DumPes10 192.160.1.3 CET setsp.s	44180 cane no. 08	ecting.	* 197.	168.1.144			
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9DaskPecto 192.160.1.3 292.160.1.3 201.001.001.00 0012 81.80.1920 10 Mane 81.605 state 32398 Seco Secono.1	rgeoglanis) 44188 cons m2, 68 1198 83185119 1 2	Provine Foreid Walne 26.8	en 192. Inne Unit C	160.1.144 JJ BLADH BLELKO	Device JP 192,168,1,164 Safe Bauge 18.0 25.3		
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CapTemp

Software for collecting and analyzing sensors readings in food processing and other industries.

CapTemp and MonTemp is a pair of utilities to monitor production processes. The programs can supervise all sensors by HW group (temperature and humidity sensors, contacts, etc) as well as sensors by other manufacturers.

CapTemp logs the values into an internal database, displays several most recent ones, and processes conditions and alarms. Alerts to values within an alarm range are sent by e-mail, or by SMS via a GSM modem connected to the PC.

MonTemp subsequently processes stored data and generates graphic reports, histograms, as well as ISO or HACCP protocols.

- CapTemp supports Poseidon, Damocles and I/O Controller products
- Alarm alerts are sent by e-mail or SMS (GSM modem)
- Concise graphical environment
- Supports conditions and rules for simple control tasks
- Evaluation version functions for 21 days without restrictions

Third-party SW applications

HW group maintains a database of software applications that are tested to work with Poseidon products. See the HWg website for an overview:

- SNMP Network Management applications
- IP surveillance systems
- Security applications



Technical specifications



- Ethernet: RJ45 10BASE-T/10 Mbit/s
- Communication: WEB, SNMP, XML, SMTP, DHCP
- Sensors: RJ11 ports for connecting 1-Wire sensors (temperature or humidity)
- Digital inputs: 4 dry (voltage free) input contacts
- Digital outputs: 2x relay contacts rated at 110/230VAC / 16A
- Device features
 - o Alarming when a reading threshold is exceeded
 - Remote monitoring of input states and temperature sensor
 - Remote output control
 - Local output control with Alarm conditions (Local Condition)

ETHERNET	
Interface	RJ45 (10BASE-T) – 10 Mbps or 10/100 Mbps network compatible
Supported protocols	IP: ARP, TCP/IP (HTTP, Modbus over TCP, NTP, SMTP), UDP/IP (SNMP)
SNMP compatibility	Ver:1.00 compatible, partial ver. 2.0 implementation
SENSORS	
Port	S1, S2
Туре	HWg original accessories: 1-Wire (Temperature or Humidity)
Connector	RJ11 (1-Wire Bus)
Sensors	Up to 4 sensors in total
Sensors distance	Up to 60m per each single port – 2x 60m in total
DRY CONTACT INPU	TS
Port	11, 12, 13, 14
Туре	Digital Input (ready for NO/NC Dry or Wet contact)
Sensitivity	1 (On) = 0500 Ω (Right pin from terminal block can be connected to 12V GND)
Max. distance	Up to 50m
OUTPUTS	
Port / type	OUT1, OUT2 / Relay contacts (NC-COM-NO)
Max. load	max. 24V / 16A DC; max. 250V / 16A AC
State	Power up state (no state restart memory)
POWER input	
Port	POWER 12-30V DC / 150 mA
Connector	Jack (barrel, inner 2.5 mm outer 6.3 mm) + Terminal block (parallel connection)
DIP SWITCH	
DIP1: Setup	ON = RS-232 Setup mode over serial port (RS-232 mode only)
	ON = Secure mode – remote configuration disabled
DIP2: Security	OFF = Non-secure mode – remote configuration enabled
Physical parameters	
Temperature range	Operating: -5 to 50 °C (23 to 122 °F) / Storage: -25 to 85 °C (-13 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
Mount	Wall or DIN rail

Poseidon 3468 – Manual

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
- Indication: 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

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 description of the M2M communication interface and further details, see the **detailed Poseidon 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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				popla 🐉					
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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/upload/</u>.

Connection problems etc. must be avoided during file transfer. If the update fails, upload the firmware over RS-232.

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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.

TIP

- 3) Turn the device on.
- 4) Toggle DIP1 several times during the first 5 seconds after powering up.

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