

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 gro www.HW-group.	Version: 4.9.1 com Config utility fo	HW ; www.hw-group. or the HW group de	group com IP address: Netmask: wices Gateway:	rk settings — 192.168.2.1 255.255.252 192.168.1.2	1 <u>?</u> About 2.0 53 <u>About</u>
levice list:	News	(ID)	Davias has	Deat	Proventer
MAC	Name	00.250.21.00	IDevice type		
0.04.55.01.20.30	kotelna	193 179 198 213	iDo 5 15 Net		TCP setup=1, DHCP=N
00:04:59:00:85:7D	Poseidon 3268 online	80 250 21 92	Poseidon model 3268	80	TCP setup=Y_DHCP=N
00:0A:59:00:B2:A0	Back modrany	193 179 198 212	Poseidon model 3262	80	TCP setup=Y, DHCP=N
00:0A:59:10:20:36	HWa-STE	80.250.21.93	HWa-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	<u>192.168.1.77</u>	Poseidon 4002	80	TCP setup=Y, DHCP=N
00:0A:59:03:14:34	Poseidon 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 00		80	TCP setup=Y, DHCP=N
00:0A:59:03:19:A0	Poseidon 4001		n 4001	80	TCP setup=Y
00:0A:59:03:19:9A		Double clic	k for ⁴⁰⁰¹	80	TCP setup=Y
00:0A:59:03:14:5B	Damocles 2404		s model 2404	80	TCP setup=Y, DHCP=N
00:0A:59:03:0E:41	Poseidon 3265	80.250.21.85	Poseidon model 3265	80	TCP setup=Y, DHCP=N
00:0A:59:00:B9:95	Poseidon 3262	80.250.21.90	Poseidon model 3262	80	TCP setup=Y, DHCP=N
		172 20 102 110	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
<i> Open in WEB Browser</i>	Enable DHCP	
lask:	MAC:	
255.255.252.0	00:0A:59:03:1A:16	
ateway:	FW version:	
92.168.1.253	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	
,	🔽 Enable TCP setup	<u>O</u> pen
Default values	Enable TEA authorisa	tion
🥢 Load <u>d</u> efaults		
	Check if new IP addre	ess is empty
X Cancel	🚑 Apr	olv 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 32	68						Networ	K AND TI	ME	
Poseidon	General SNMP S	Settings 161										
General	SNMP Access											
General setup	Comm	unity	Read	Write	Enable	2						
SNMP	private											
Email								5 de	stination	s for SN	MP T	raps
GSM & RFID	SNMP TRAP DEST	TINATIONS		-								
Log & Time	Destination A. pr	Co ublic	mmunity			IP 192.168.1.242	Address		Port 163	Enable		
Portal	В. С.											
Sensors	D. E.											
Inputs												
Outputs	MIB II SYSTEM G	ROUP										
System	SysContact: SysName: SysLocation:	support@HN Poseidon23	Wgroup.o 3268	z						=		
Restart	- Jyseocation.											
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
General General setup	TIME SYNCHRONIZATION		server
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	ie logfile every <mark>300 [</mark> s 211 days, 0 hours and] 10 minutes
Sensors		Open log File Clear log File	
Outputs			
System			
Restart			
Apply Changes			

Portal

	Poseidon2 3268			Portal
Poseidon	Portal Message SensDesk.com: Check sensor online		Message	from the portal
General	Portal		Enable connectio	on to the remote portal
General setup	Portal Enable: Push Period:	900 [s] 0=Disable		
SNMP	Server Address: IP Port:	www.sensdesk.com/pc 80 Default 80	ortal.php	
Email	User Name: Password:	vitolmr qehgLs		
GSM & RFID	Current Push Timer: Current Log Timer: Current Autopush Block Timer:	743 143		
Portal	Manual Push:	Manual Push	Click to con	nect to the portal
Sensors	SENSORS AUTOPUSH CONFIG			
Inputs	Name	ID	Current Value	Autopush
Outputs	Sensor 240	38625	30.3 °C	7 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		1(On)	
Apply Changes	Comm Monitor 1	123	0(Off)	

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						INPUTS
$\mathbf{\Psi}$	DRY CONTACT INPUTS							
Poseidon	Name	ID	Current Value	Alarm State	Delay[s]	Out of Safe Range SNMP Trap	Out of S Range Email & S	afe 9 5MS
General	Binary 1	1	0(Off)	Active if on 👻	0		V	
Conoral cotup	Binary 2	2	0(Off)	Active if off 👻	0			
	Binary 3	3	0(Off)	Disabled 🚽	0			
SNMP	Binary 4		1(On)	Disabled 🚽	0			
Email	Comm Monitor 1	123	0(Off)	Disabled 👻	0			
GSM & RFID	↑			\uparrow		1	\uparrow	\uparrow
Log & Time								
Portal Enter Dig will be sh text mess	pital Input name, nown in e-mails, sages or SNMP traps	LARM C Active Alarm v	ONTACT ST if On vhen the con	TATUS:	Rea • D • S	ction to dig Disabled Gend a SNM	jital inpo IP Trap	uts:
Inputs		closes	(1 = On)		• 5	Send an E-n	nail	
Outputs	•	Active Alarm v	if Off vhen the con	tact	• 5	Send a SMS		
System		opens	(0 = Off)					
Restart	•	Disable No Alar	ed m					
Apply Changes								





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
Ψ	RELAY OUTPUTS Choose the output mo	de		
Poseidon	Name ID Current Value	Output Control	Target Value	Depend on
General	BinOut 1 151 0(Off) OLocal Condition	Change to On if value equal to Trigger	o On • 28	Sensor 240(38625) 🗸
General setup	BinOut 2 152 0(Off) Manual OLocal Condition	Change to On if any alarm	o On - 0.0	none
Email		F	K	1
GSM & RFID			<u> </u>	\checkmark
Log & Time	Manual mode:	Loca	al Conditio	on mode:
Sensors	Output controlled over the WEB or M2M protocols	Cont to the	trols the ou	uttput 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	ι		
Poseidon	Modbus: XML/HTTP:			
General	SNMP: Time:	0 [s]		
General setup	Co			
SNMP		Procházet Soubor nevybrán		Upload
Email	Save Configuration:			Download
GSM & RFID	System			
Log & Time	Uptime:	12days,12hours, 43minutes		Restart Device
Portal	Device FirmWare:	1.1.6		Update FW
Sensors				↑
Inputs Outputs				
System			Uploads new the	firmware from
Restart				FC
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	
File Edit View Tools Help	
Status Device List Sensor List	
Poseidon & Damocles Monito Overview:	ring System PDMS
90	Periodic XLS Reports:
Hat State of the s	Conine-demos-week)
Device: Interval Prague Poseidon 2250 Last 7 Days Last 7 Days	Add Report <u>Preview</u> Open Report <u>Folder</u>
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 17 9.201311:10:53: Control Server: Authorize successful 127:001:50576 Actual sensor reading interval Actual sensor reading interval 17.9.201311:10:57: Control Server: Authorize successful 127:001:50576 Actual sensor reading interval Actual sensor reading interval 17.9.201311:10:58: Control Mexico successful 127:001:50:07:13:201311:10:57 Interval Interval 17.9.201311:11:05: Schaft Finish duccessful (control Social Statement Social 11:02: Schaft Finish transaction successful 11:02: Schaft Finish transaction successful (control 4: 5: buffend: 0) Image: Control 4: Statement Social 11:02: Schaft Finish Finish Social 11:02: Schaft Finish Finish Social 11:02: Schaft Finish Finis	H Jurdon PRG 11.5 °C Lx tight 32 % E HI Jan BMV car 56.0 XPH Senio 215 23.5 °C Senio 216 44.4 XPH T Jan BMV car 25612 °C T I-mp. MB, 13.3 °C T I-indoor PRG 12.5 °C
Next 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.

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-h,	be 1p errs ins error-leve 1		Prist Ruspi Prist	this hel	p and exit a information ar cels and exit	of east
	es: anio -u 192,160 anio -u cridato anio -u 1-00,15 anio -u 1-00,15 anio -u 1-1,192 anio -f urtup.3			erstatas 18	ealars.onl 192.1	168.9.41
F7-Dan 192.16 111 er	PecIO-peodania) d.1.344188 cana sipat 1+1. 08	pordani ecting.		-1 192.16	1.1.144	
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F:-Due 172.16 117 es es15 F:-Due 022.16 CET se baTE 81.00 13 13 13 13 12 15 12 10 12 10 10 10 10 10 10 10 10 10 10 10 10 10	dvald-poordania) di.1.04188 cons ripot 1=1.0X dvald-poordania di.1.14188 cons dvald-poordania di.1.14188 cons dvald-poordania	perdan erting erting force force false 26.4		-1 192.16 168.1.144 0 86408 Betine	Device_IP 132.1349.1.144 Safe Range 18.0 25.3	
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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	SensDesk	× 👽 Poseidon2 3468	× +						
((((((((((.sensdesk.com				🚖 ⊽ C 🔡 ▾ Google	٩		45m	⋒
		-1		Login: rehak3		My account Messages	Log o	ut	^
	Senspe	SK							
	IPsen	sors portal							
Dashb	oard Devices	Sensors Device gr	oups						
Dash	board								
	Only alarm values		Only sensors with problem with logging	9 Devices in group:	- All Device groups - 💌	APPLY FILT	ER		
HWg	g-STE Push Ja	n Office (ID: 35)							
Se	nsors with unit:	°C (Temperature)							
	Office STE ind. test 30 min 46 sec ago	Office STE Outdoor							
	28.5	31.3							
	- 18	173							Ξ
No. 1	9.5 41.5	47							
	23.7 °C	18.3 °C							
Ares	s14 (ID: 92)								
Se	nsors with unit:	°C (Temperature)	Sensors with unit: % (Percent)	Sensors	with unit: (Switche	es)			
	Office Outdoor	OfficeAr14 Test	Battery Monitor	External Power	Input 1	Input 2			
	28 sec ago		100 - 100	28 sac ago	28 səc ago	28 590 890			
(11.1		1 4.5	ON	1 0.5			
	- 10 60 1	312	25						
	JI 8	11		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

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 Internal memory 250,000 records in flash memory Logged items Sensors, DI, DO SENSORS Internal 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 Dry Contacts) Port Port 11, 12, 13, 14
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 Internal memory 250,000 records in flash memory Logged items Sensors, DI, DO SENSORS Type 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 Dry Contacts) Port 11, 12, 13, 14
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Internal memory 250,000 records in flash memory Logged items Sensors, DI, DO SENSORS Type 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 Dry Contacts) Port 11, 12, 13, 14
Logged items Sensors, DI, DO SENSORS Sensors Type 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 Dry Contacts) Port Port 11, 12, 13, 14
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Sensors Up to 8 sensors in total (temperature + humidity combo sensors count as 2 sensors) Sensor distance Up to 60m DI (Digital Inputs for Dry Contacts) Port I1, I2, I3, I4
Sensor distance Up to 60m DI (Digital Inputs for Dry Contacts) Port 11, 12, 13, 14
DI (Digital Inputs for Dry Contacts) Port I1, I2, I3, I4
DI (Digital Inputs for Dry Contacts) Port 11, 12, 13, 14
Port 11, 12, 13, 14
I ype Digital input (supports NO/NC Dry contact)
Sensitivity $1 (On) = 0-500 \Omega$
Max. distance Up to 50m
DUTPUTS
Max voltage 601/ AC/DC
Max. voltage 60V AC/DC Max. load Max 1A, up to 60V/A/24/W/ (0.5A/48)/)
State Dewer up state (no state restart memory)
State Power up state (no state restant memory)
POWER input
Port POWER 9-30V DC
Power input Connectors: Jack (barrel, inner 2.5 mm outer 6.3 mm) + Terminal Block
POWER output
Voltage Power Out = Power IN (9–30V)
Current / Connector 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
DIP1: Setup OFF = Normal state
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] / 300 g
EMC ECC Dart 15 Class P. CE. EN 55022 EN 55024 EN 64000

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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