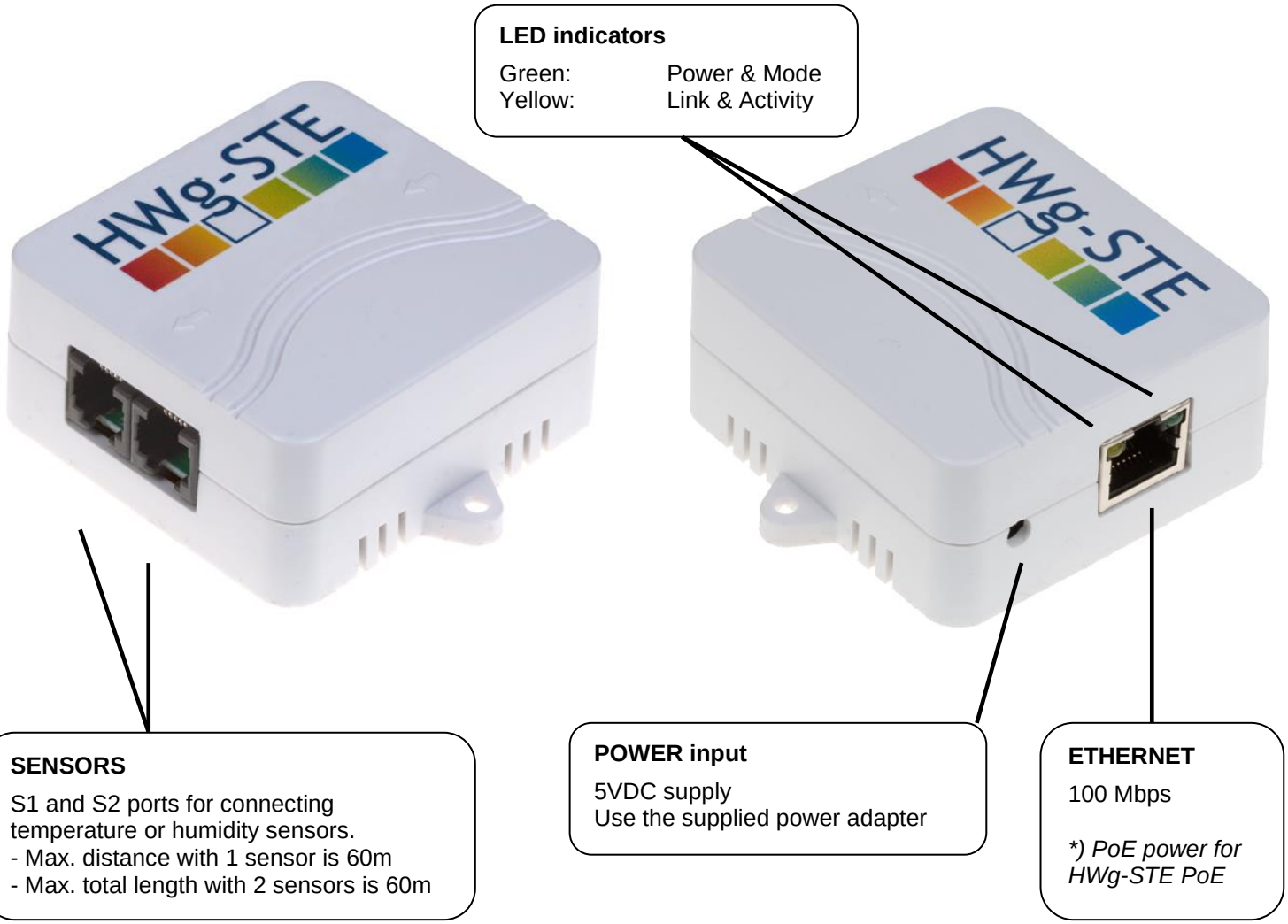
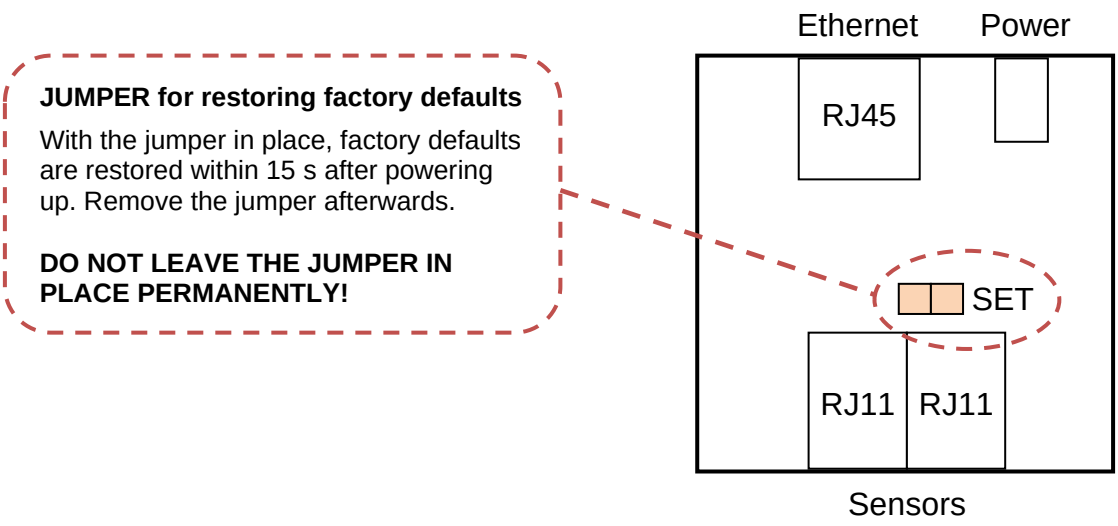
HWg-STE
HWg-STE PoE
MANUAL

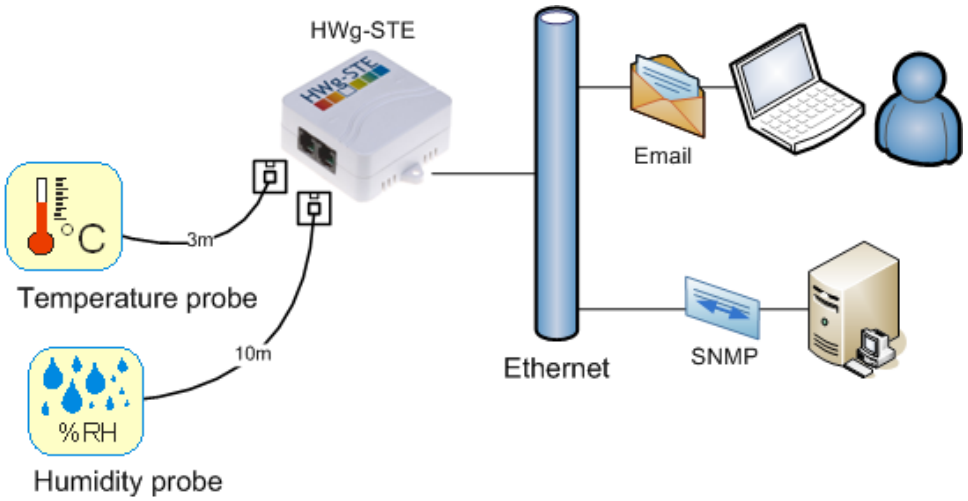
V1.0.1 (fw 2.1.7)

HWg-STE connectors

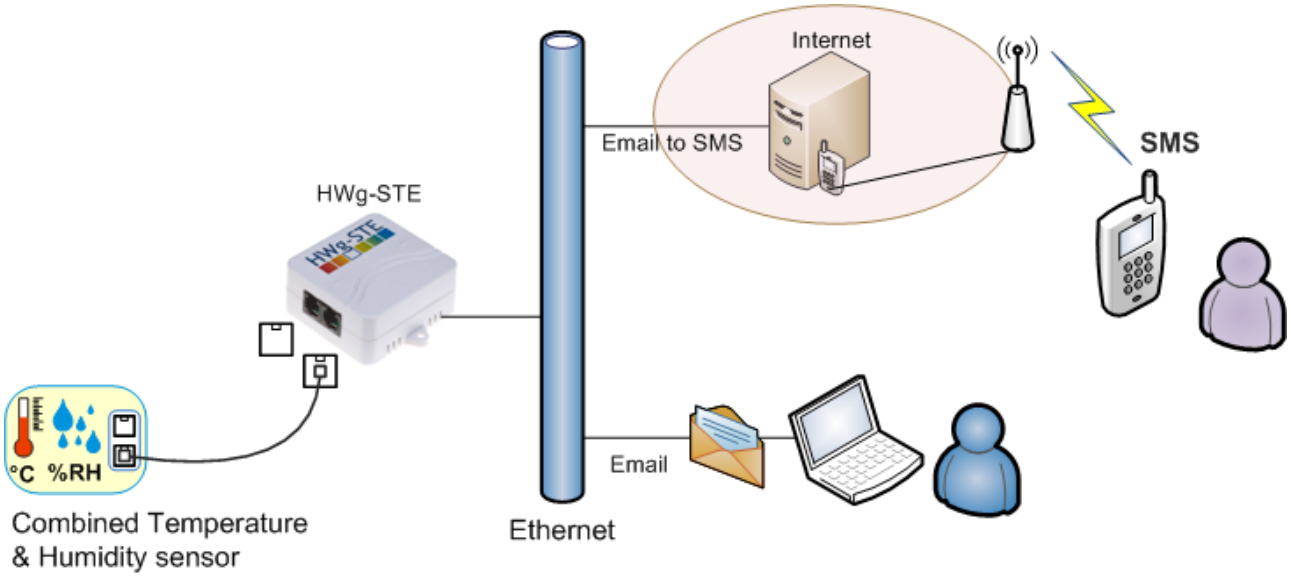




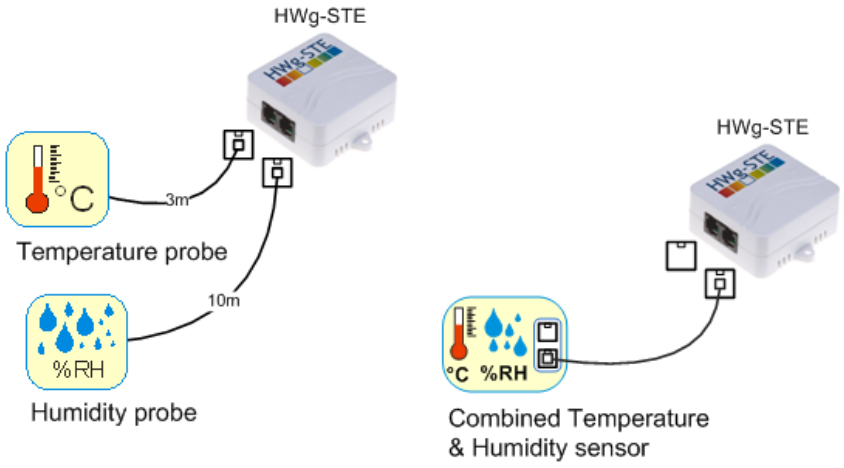
Recommended connection options



Forwarding alarms to SMS (via the Email-2-SMS service):



Sensor connection options:



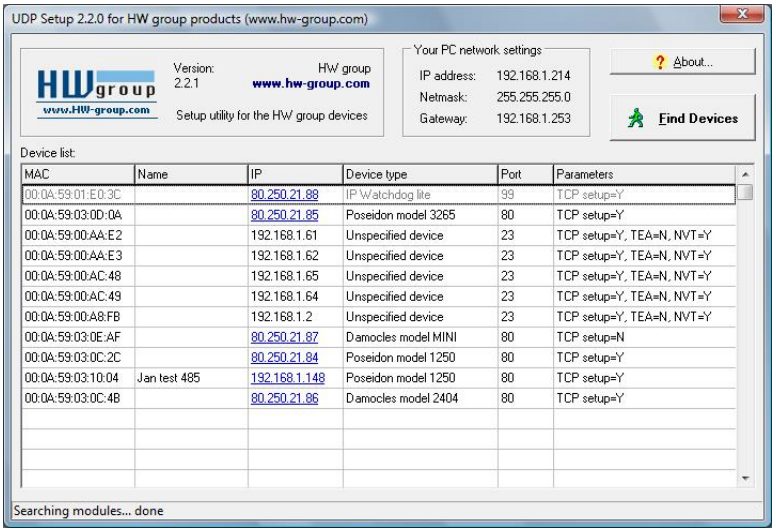
First steps

1) Connecting the cables

- Connect the unit to the Ethernet (patch cable to a switch, or a cross-over cable to a PC).
- Plug the power adapter in to a power outlet and connect it to the HWg-STE power connector.
- The green **Power & Mode** LED in the RJ45 connector lights up.
- If the Ethernet connection works properly, the **LINK** (yellow) LED lights up after a short while, and then flashes whenever data transfer takes place (activity indication).
- After power up, the **LINK** LED flashes rapidly to indicate IP address negotiation over DHCP.

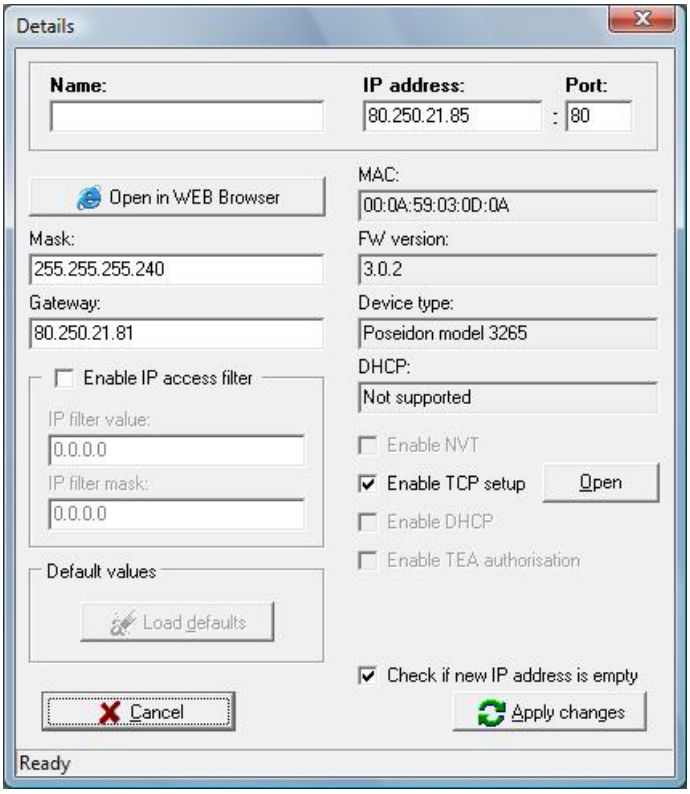
2) Configuring the IP address – UDP Config

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



- Click the icon to launch **UDP Config**. The program automatically looks for connected devices.
- To search for devices, click the **Find Devices** icon.

The program looks for devices on your local network. Double-click a MAC address to open a basic device configuration dialog.



Configure 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.

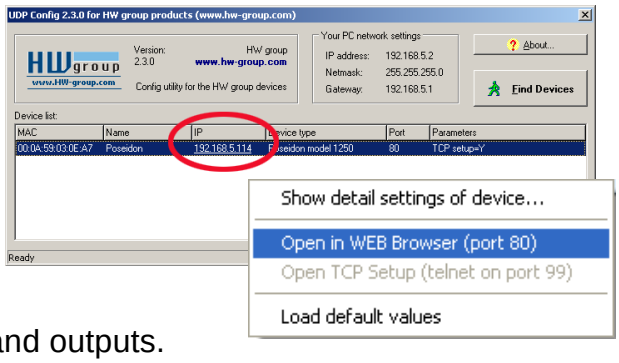
Restoring factory defaults

- Right-click on the device MAC address and select “Load default values”. Within 60 seconds after powering up the unit, factory defaults can be restored using UDP Config.

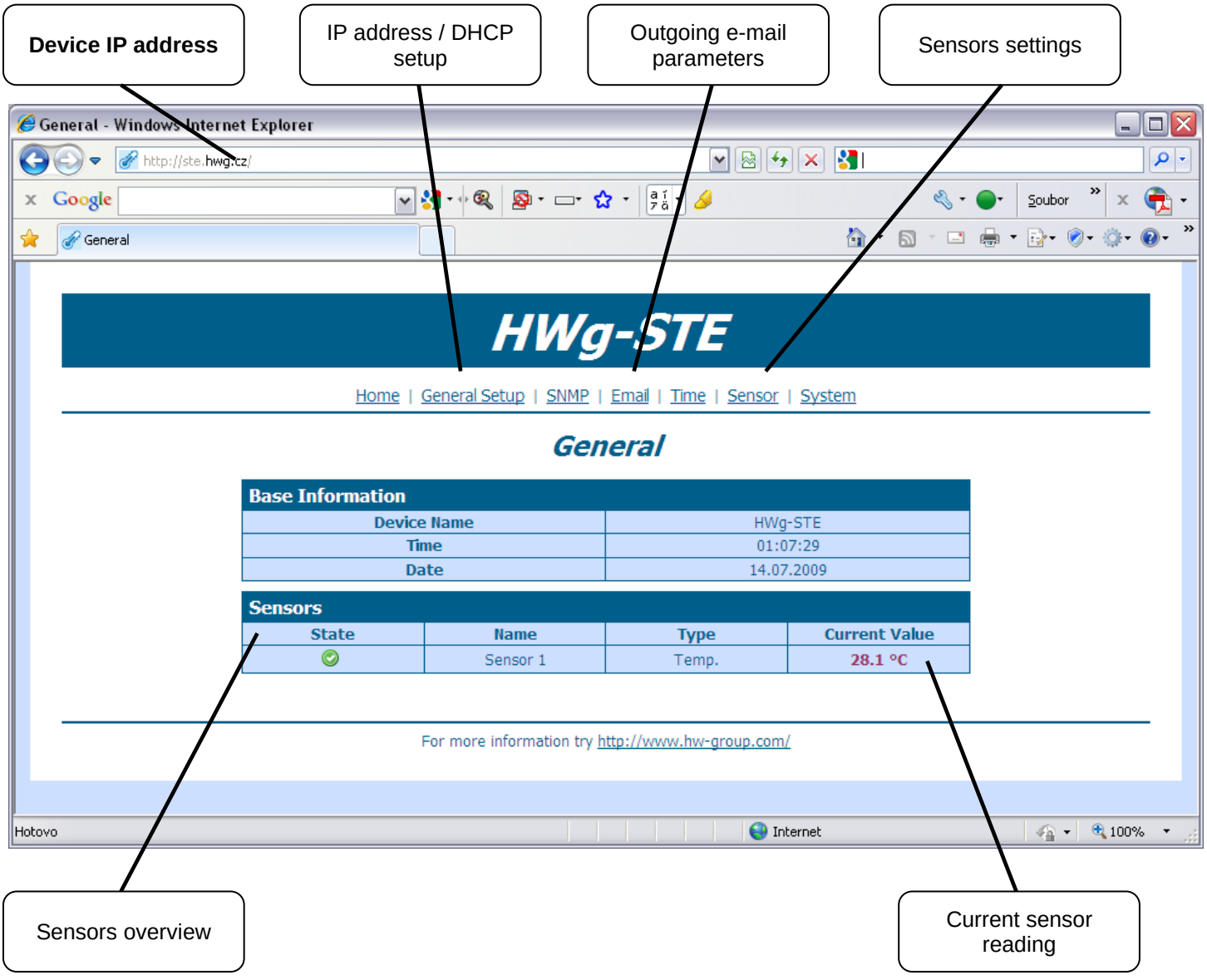
- Disconnect the power jack, connect the jumper near the RJ11 sockets, power up the device and wait 15 seconds. Then, disconnect the power and disconnect the jumper. The device is ready in its factory default configuration.

First steps

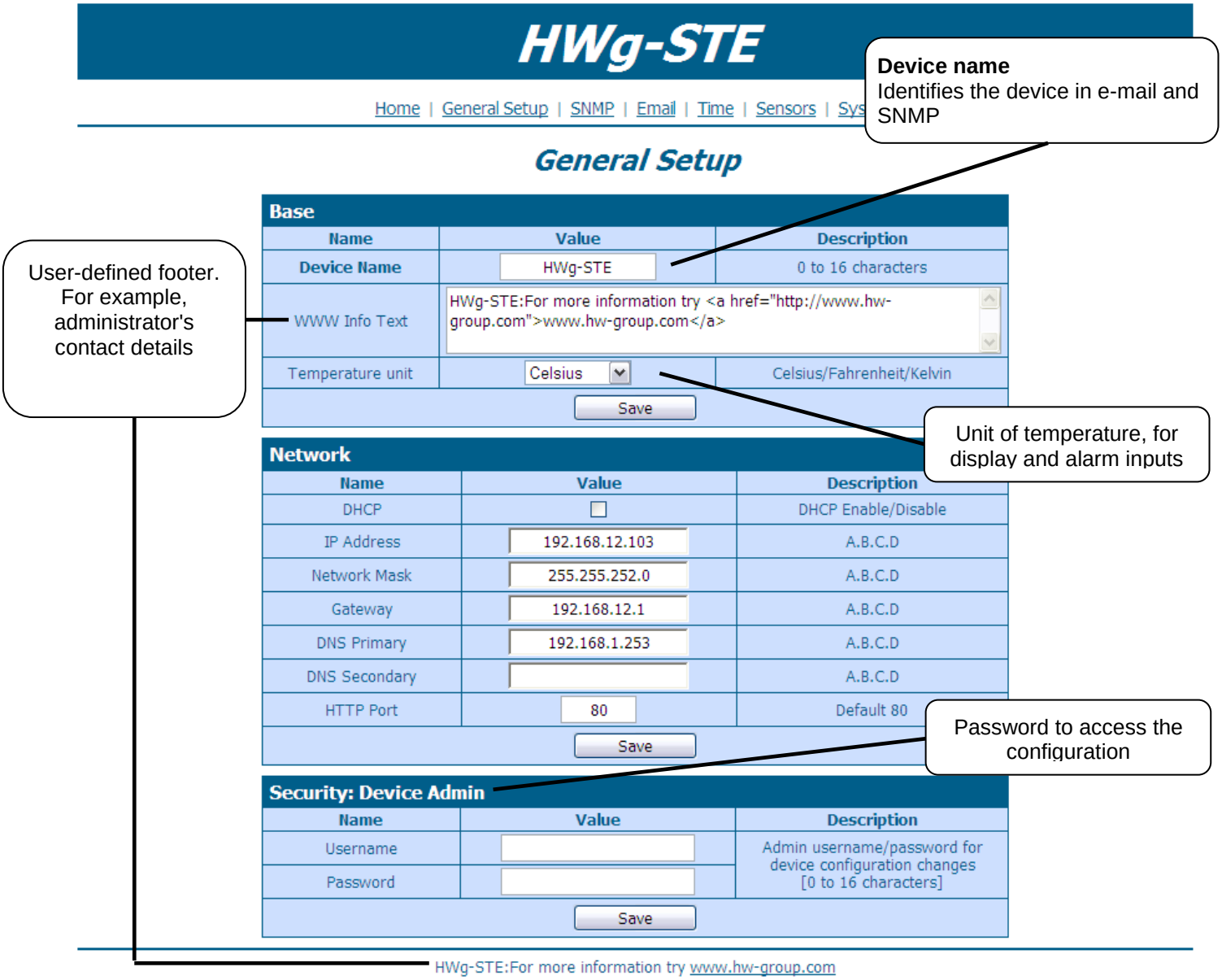
3) WWW interface of the device



- **To open the WWW interface of the device**:
  - Enter the IP address into a web browser
  - Click the IP address in UDP Config
  - Click the underlined IP address in UDP SETUP
- The WWW page displays current states of inputs and outputs.
- Click the "**Graphic Flash SETUP**" link to open the graphical configuration interface (Flash Setup).

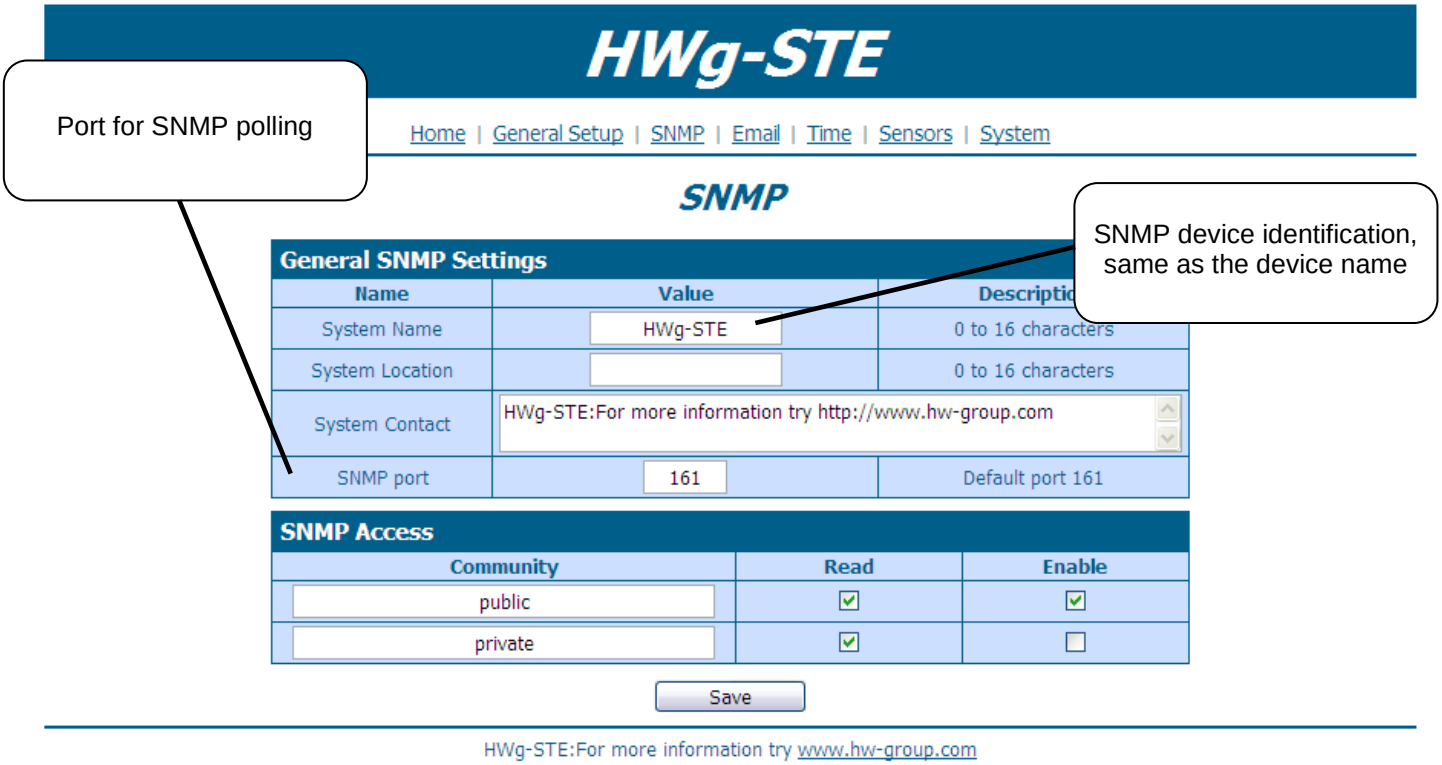


Product configuration

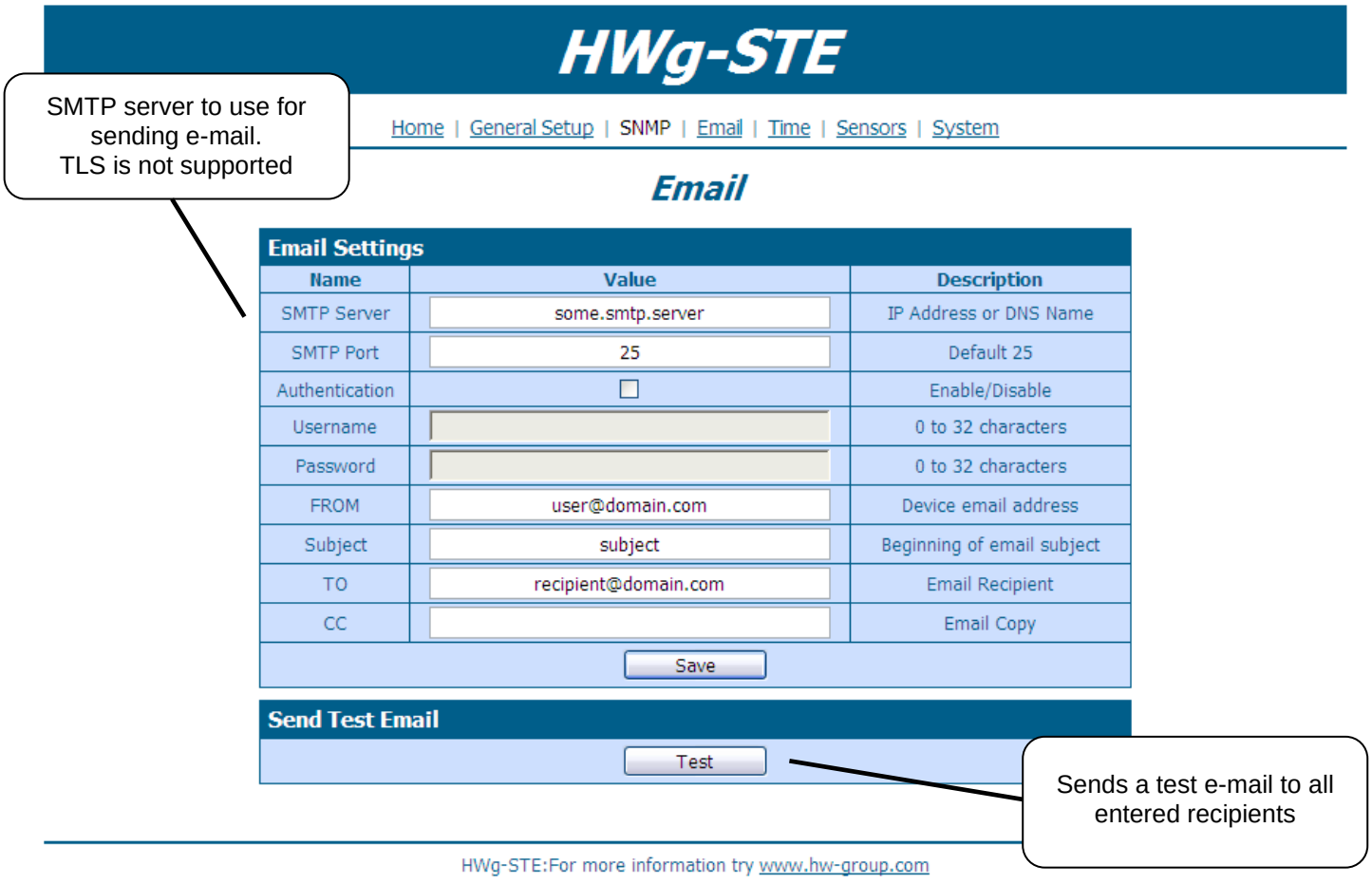


***added function:**
Outgoing ping – function could be used as a “heartbeat”. HWg-STE will ping target IP address.

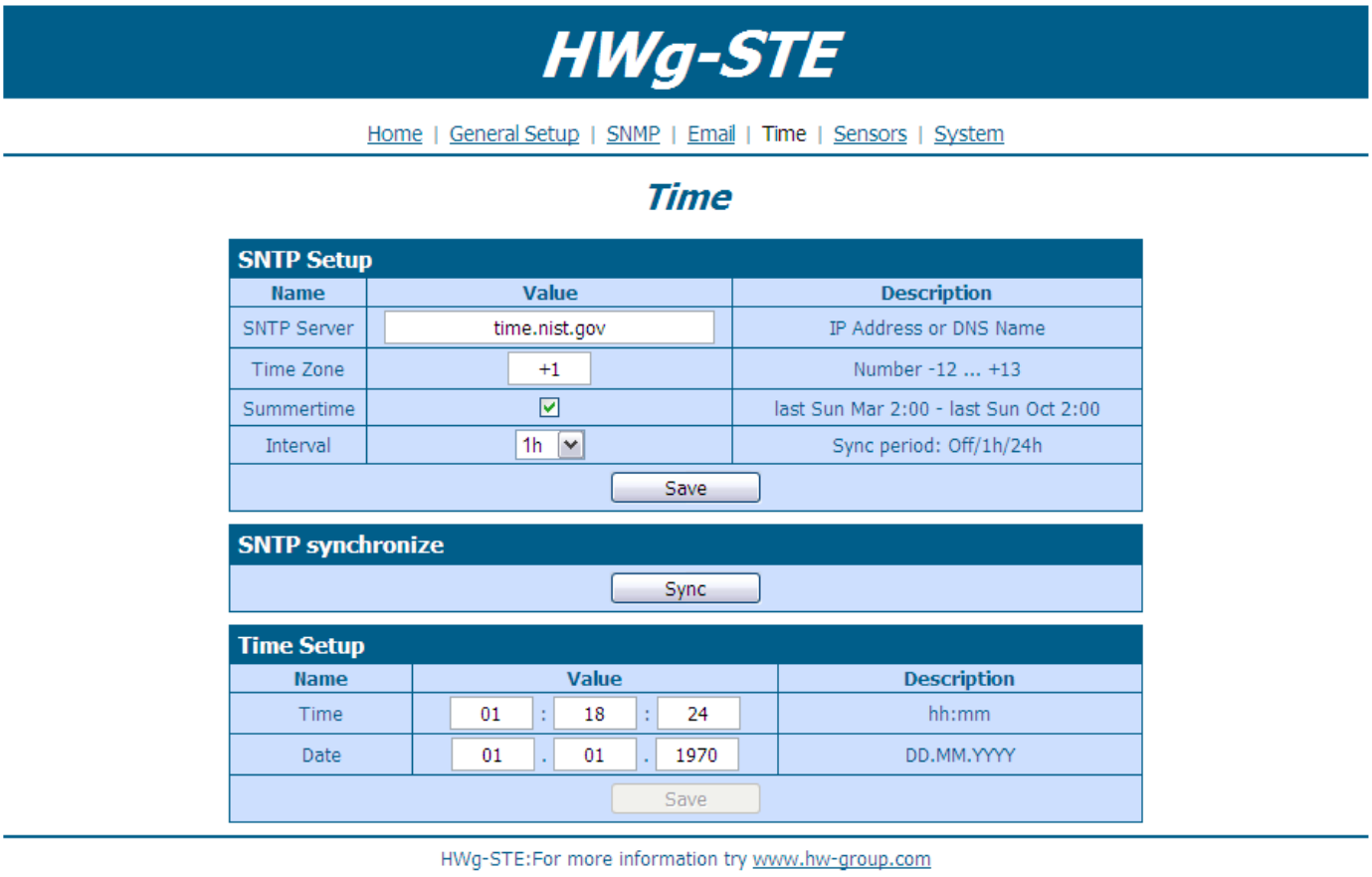
SNMP


Port for SNMP polling
HWg-STE
Home | General Setup | SNMP | Email | Time | Sensors | System
SNMP
SNMP device identification, same as the device name
General SNMP Settings
Name
Value
Description
System Name
HWg-STE
0 to 16 characters
System Location
0 to 16 characters
System Contact
HWg-STE:For more information try http://www.hw-group.com
SNMP port
161
Default port 161
SNMP Access
Community
Read
Enable
public
private
Save
HWg-STE:For more information try www.hw-group.com

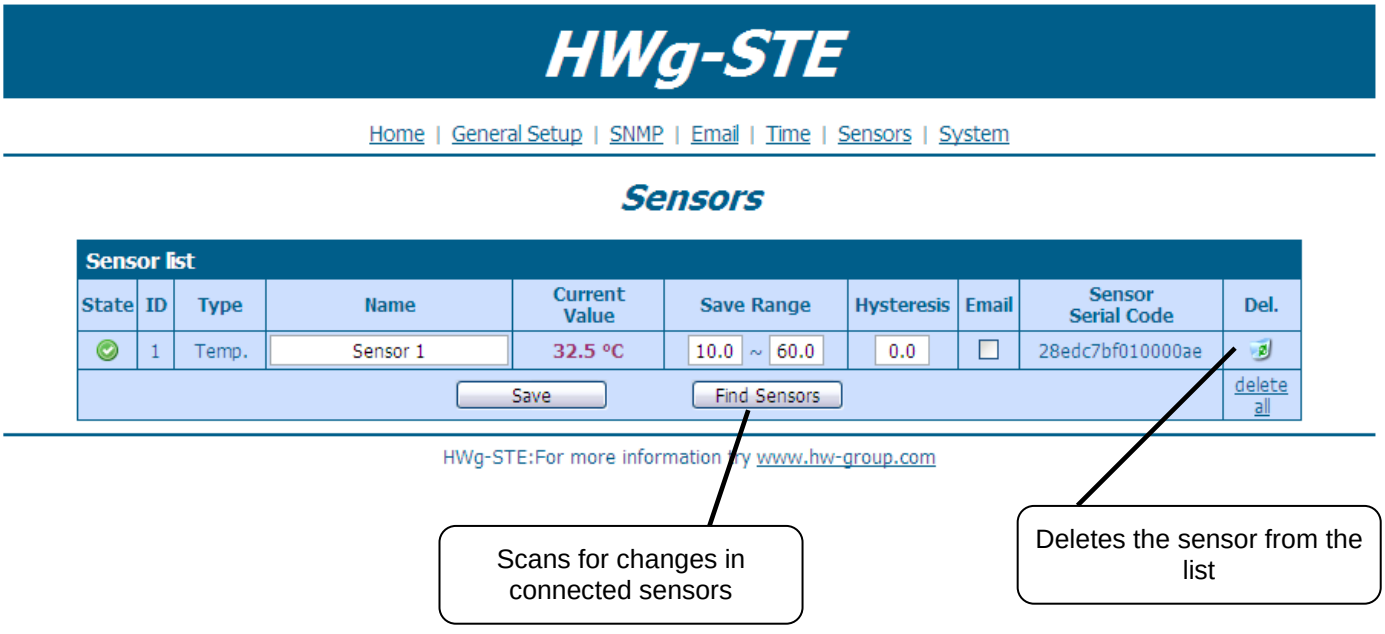
Email


SMTP server to use for sending e-mail.
TLS is not supported
HWg-STE
Home | General Setup | SNMP | Email | Time | Sensors | System
Email
Email Settings
Name
Value
Description
SMTP Server
some.smtp.server
IP Address or DNS Name
SMTP Port
25
Default 25
Authentication
Enable/Disable
Username
0 to 32 characters
Password
0 to 32 characters
FROM
user@domain.com
Device email address
Subject
subject
Beginning of email subject
TO
recipient@domain.com
Email Recipient
CC
Email Copy
Save
Send Test Email
Test
Sends a test e-mail to all entered recipients
HWg-STE:For more information try www.hw-group.com

Time



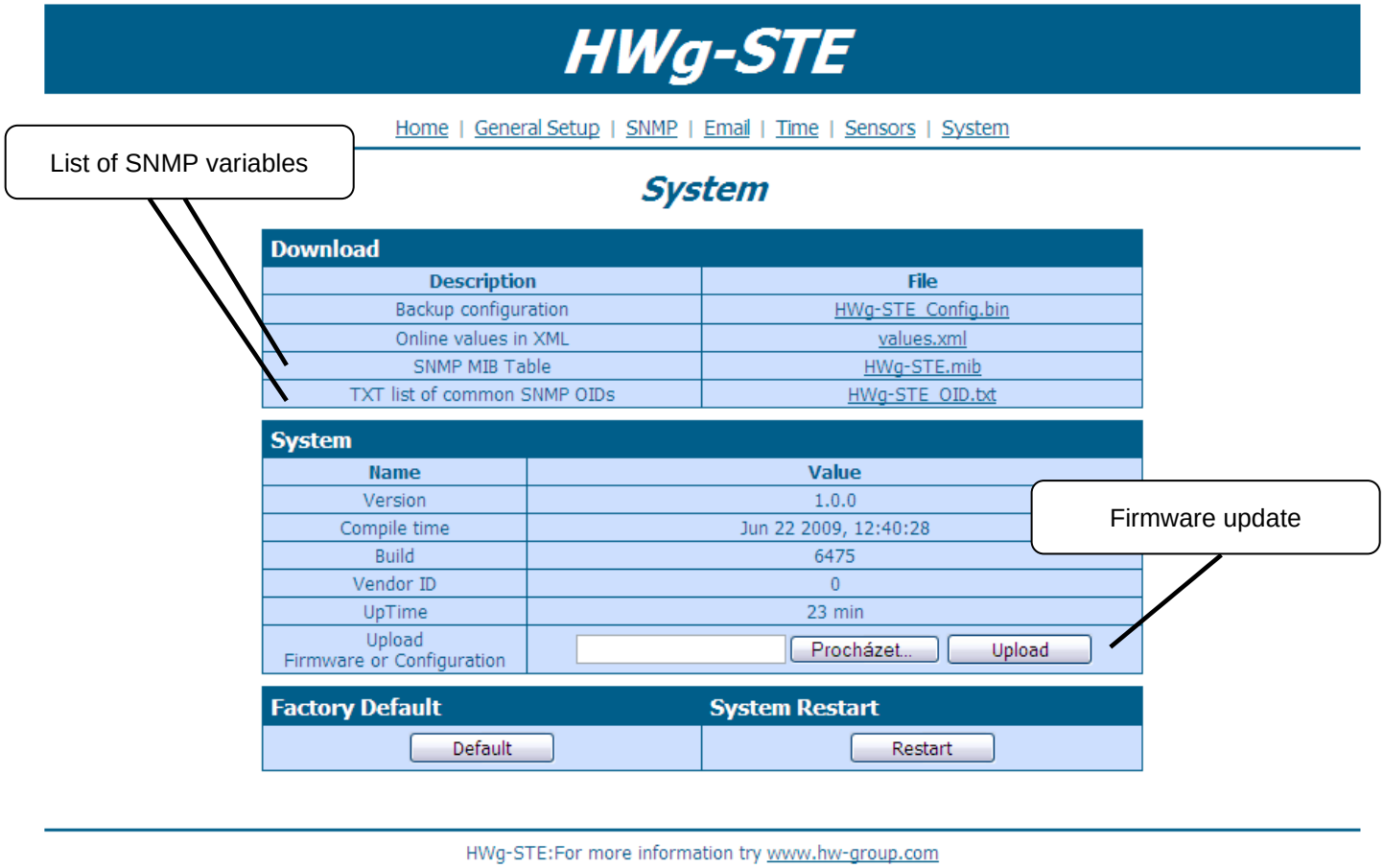
Sensors



Graph*

**Graph was available in firmware versions 1.0.12 up to 2.1.6.*
Due to Adobe Flash technology End of Life (31st of December 2020) and discontinued support in web browsers, the feature in firmware 2.1.7 has been permanently removed.

System



***added function:**
Demo Mode – Active demo mode prevents any changes in your device configuration. Demo mode can be turned off in the same way after entering the password.

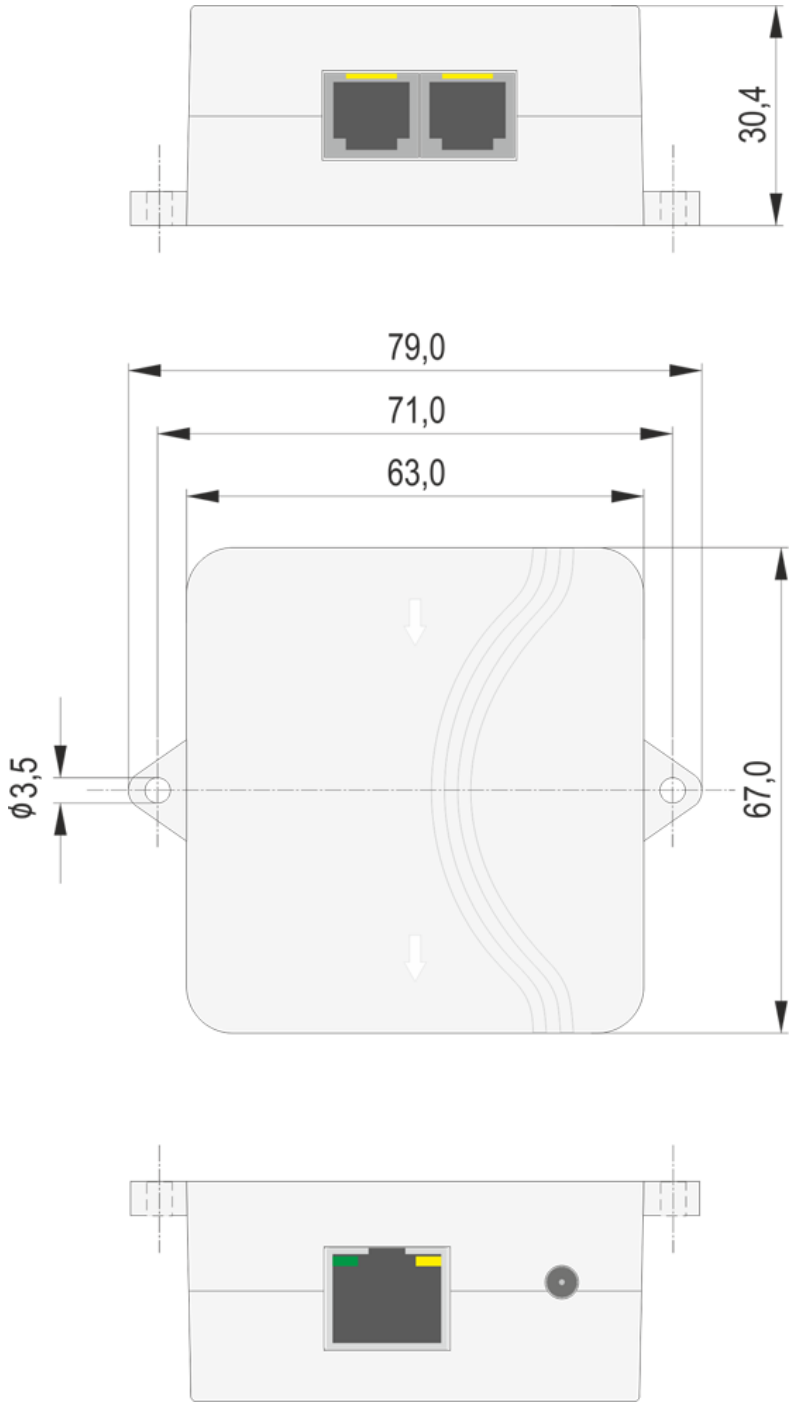
Technical specifications

- **Ethernet**: RJ45 – 10/100 BASE-T
- **2 sensor inputs:** RJ11 ports for connecting 1-Wire sensors (temperature, humidity...)
- **"SET" jumper**: configuration jumper for restoring the factory defaults
- **Device features**
  - **Alarms** by e-mail when a threshold is exceeded
  - **Remote monitoring** of the inputs states and values
- **Power supply**
  - **HWg-STE:** +5V / 250 mA
  - **HWg-STE PoE:** +5V / 250 mA (adaptor) or **PoE IEEE 802.3af** (Power over Ethernet)
- **Dimensions:** 65 x 80 x 30 [mm]

- **LED indicators in the RJ45 connector**
  - Green: Power / Status
    - Rapid flashing: DHCP network configuration in progress
    - Slow flashing: A sensor is in alarm
  - Orange: Link & Activity

ETHERNET	
Interface	RJ45 (10/100BASE-T) – Compatible with 10Mbps and 100Mbps networks
Supported protocols	IP: ARP, TCP/IP (HTTP, SNTP, SMTP), UDP/IP (SNMP)
SNMP compatibility	Ver:1.00 compatible, some parts of the ver 2.0 implemented
SENSORS	
Port / connector	S1, S2 / RJ11 (1-Wire Bus)
Type	HWg original accessories
Sensors	Up to 2 sensors in total
Sensors distance	Up to 60m total bus length with one or two sensors
POWER input	
Power supply	POWER 5V / 250 mA
Connector	Jack Ø3.5 x 1.35 / 10 [mm]
PoE (Power over Ethernet)	RJ45 - IEEE 802.3af (for HWg-STE PoE only)
LED Status indicators	
POWER / status	Green - power OK (status = DHCP/Local alarm)
LINK & Activity	Yellow - Ethernet connectivity
JUMPER	
SET	**Load defaults:** Power-on with jumper ON for 15 seconds, switch off and remove jumper
Other parameters	
Operating temperature	–10 to +60 °C (+14 to +140 °F)
Dimensions / Weight	65 x 80 x 30 [mm] / 500 g
EMC	FCC Part 15, Class B, CE - EN 55022, EN 55024, EN 61000

Mechanical dimensions



Contact details

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http://www.HW-group.com