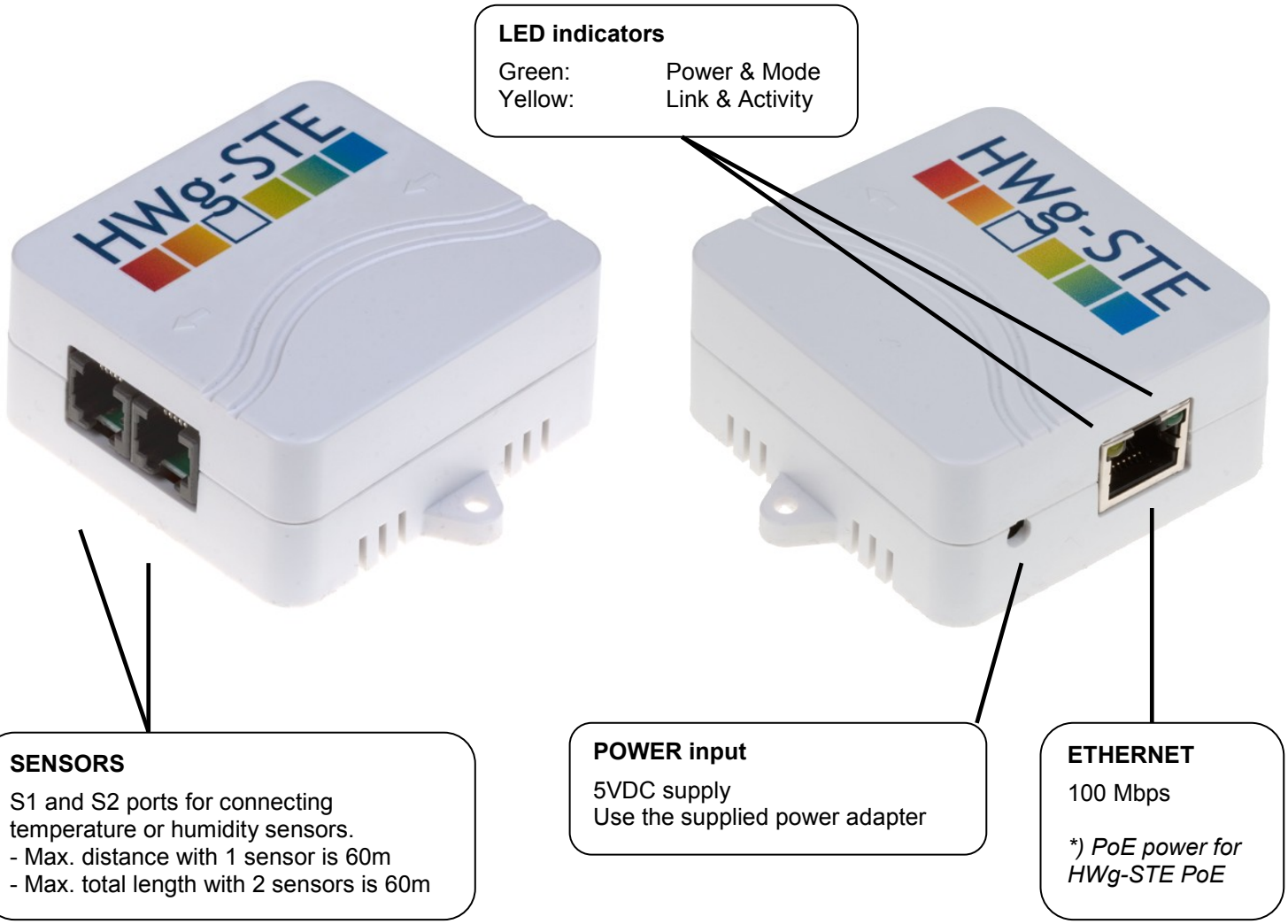
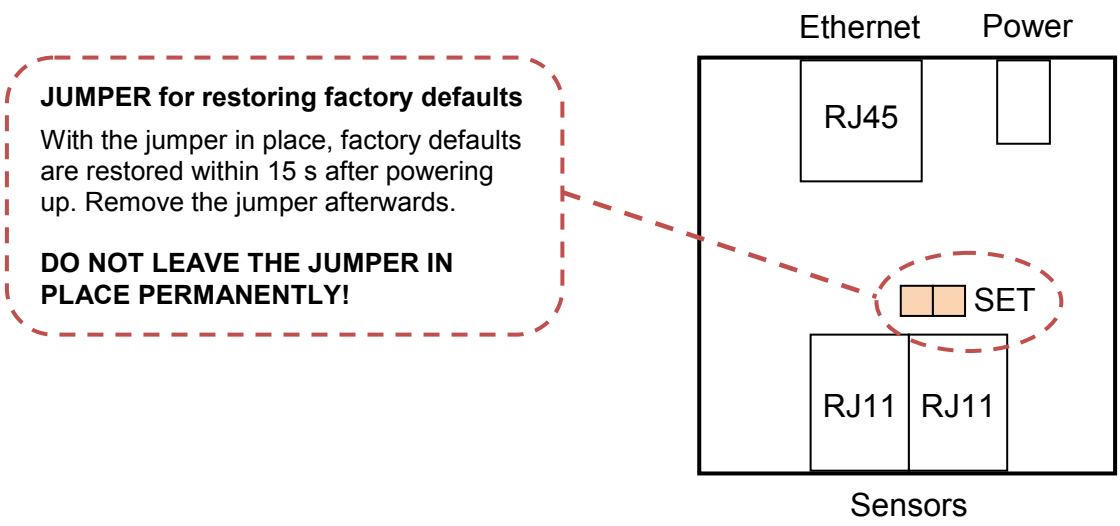
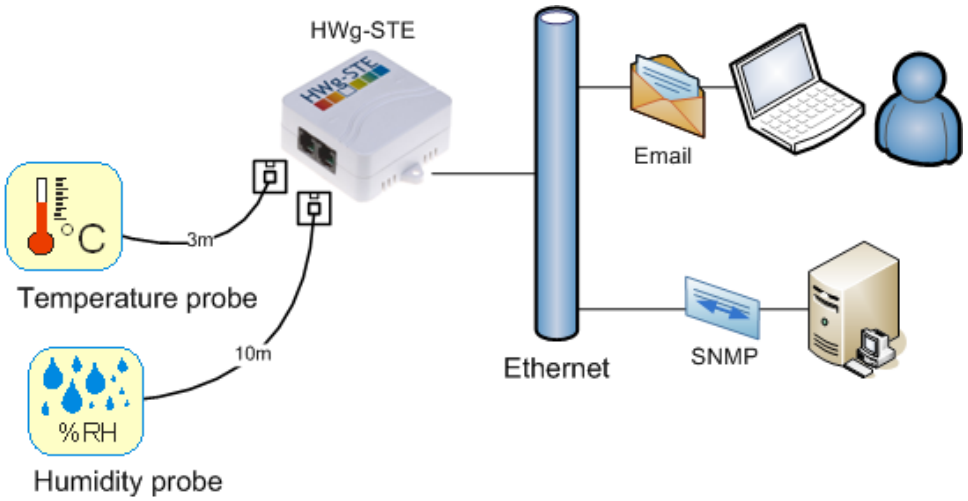
HWg-STE
HWg-STE PoE
MANUAL

HWg-STE connections

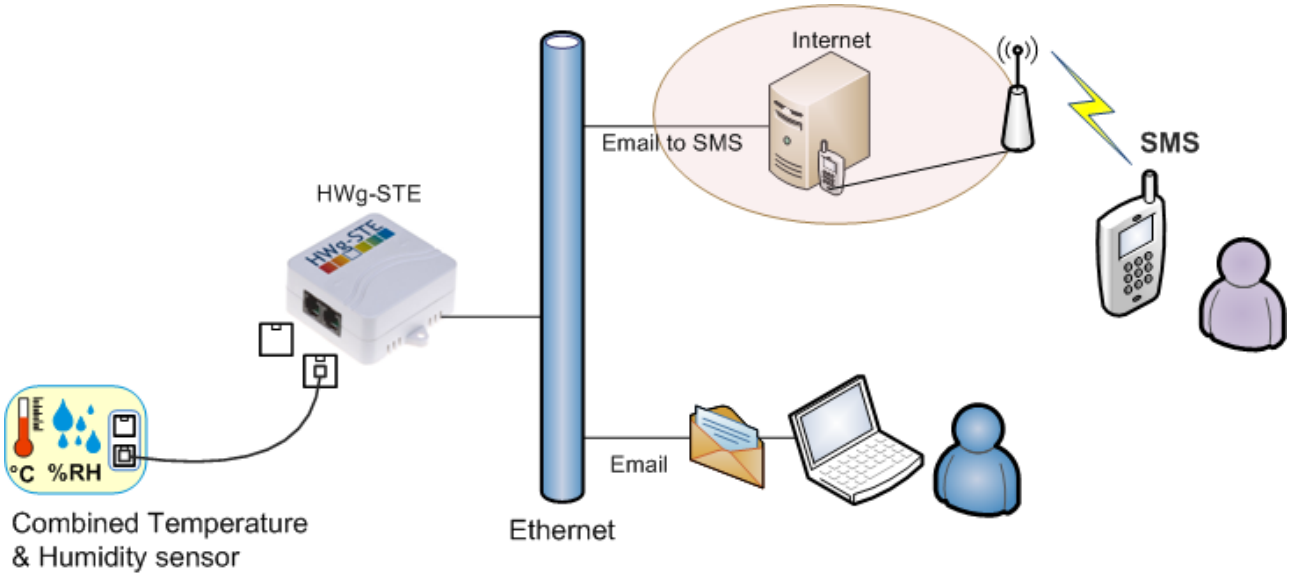




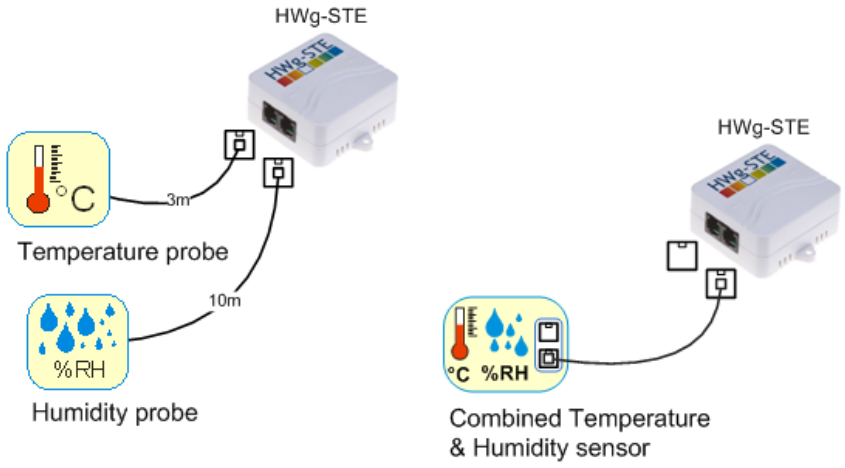
Recommended connections



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



Sensor connection options:



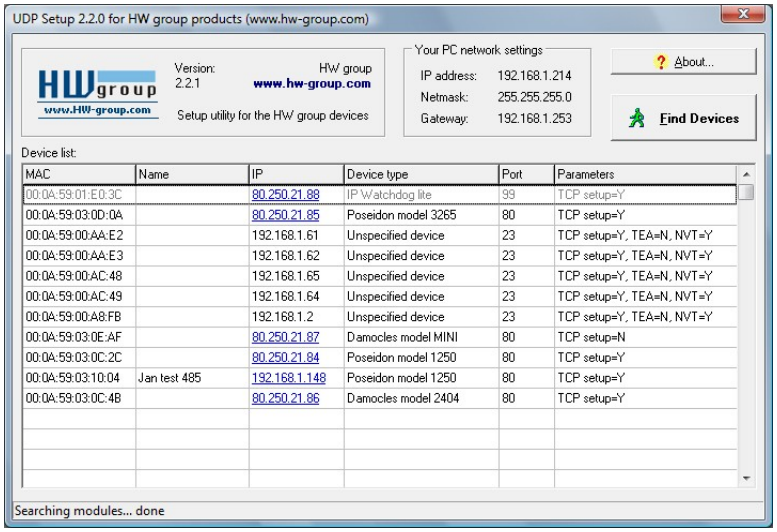
First steps

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.

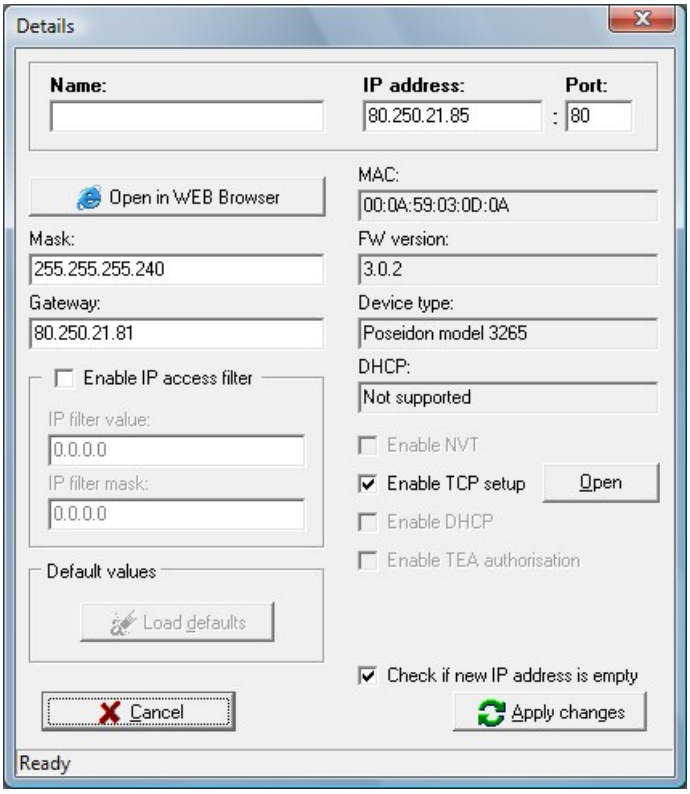
2) Configuring the IP address – UDP Config

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.

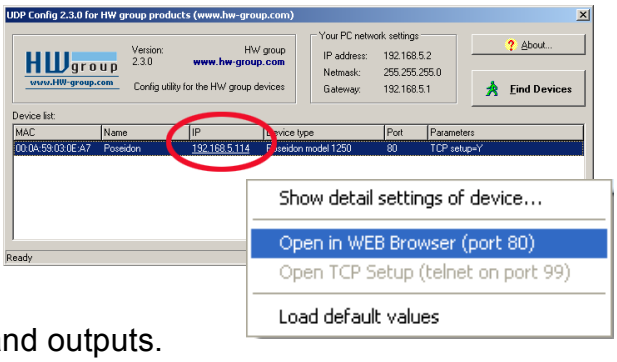
Restoring factory defaults

- Right-click a device MAC address. Within 60 seconds after powering up the unit, factory defaults can be restored using UDP Config.

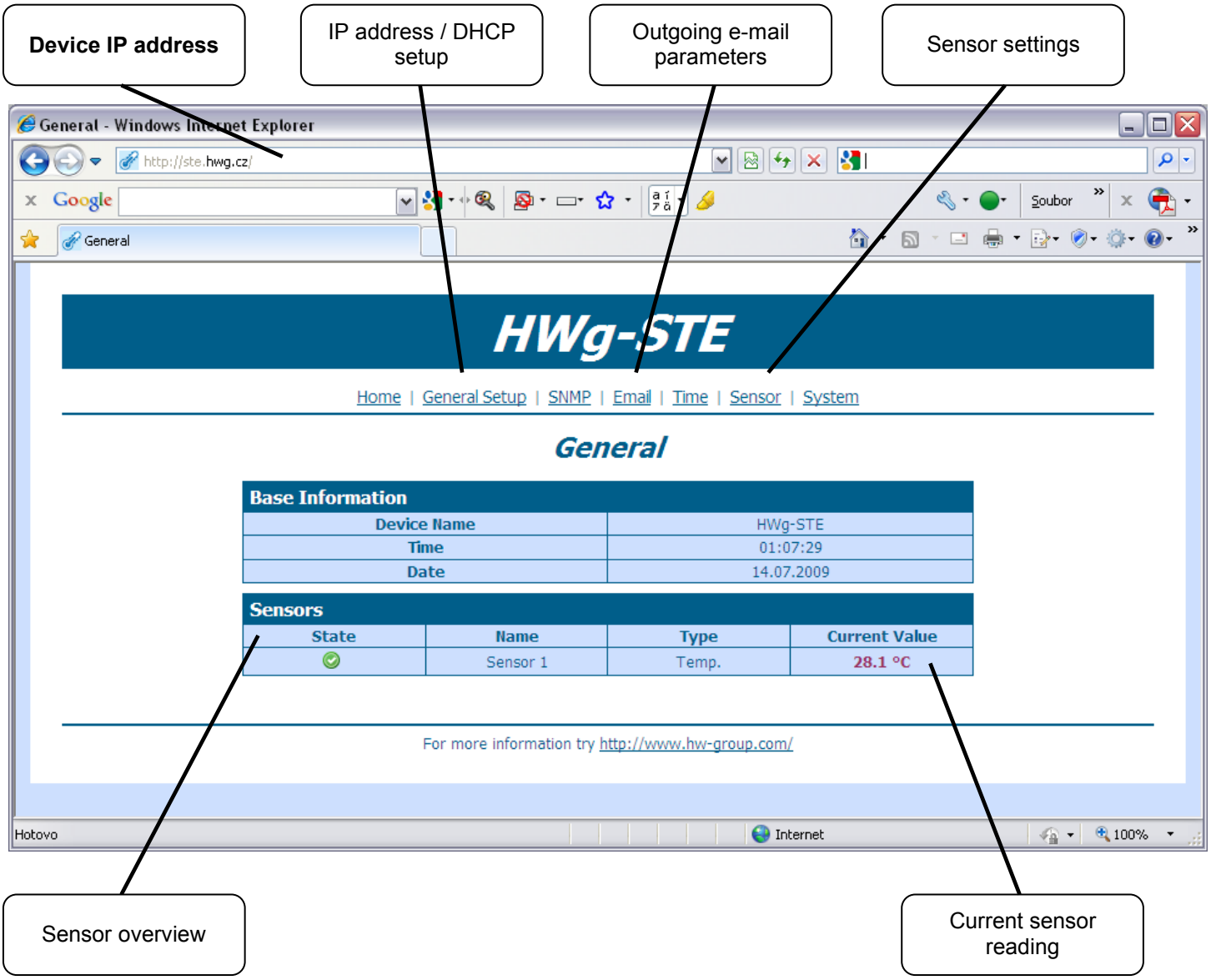
- Disconnect the power jack, connect the jumper near the RJ11 sockets, power up the device and wait 15 seconds. Then, disconnect the power and disconnect the jumper. The device is ready in its factory default configuration.

First steps

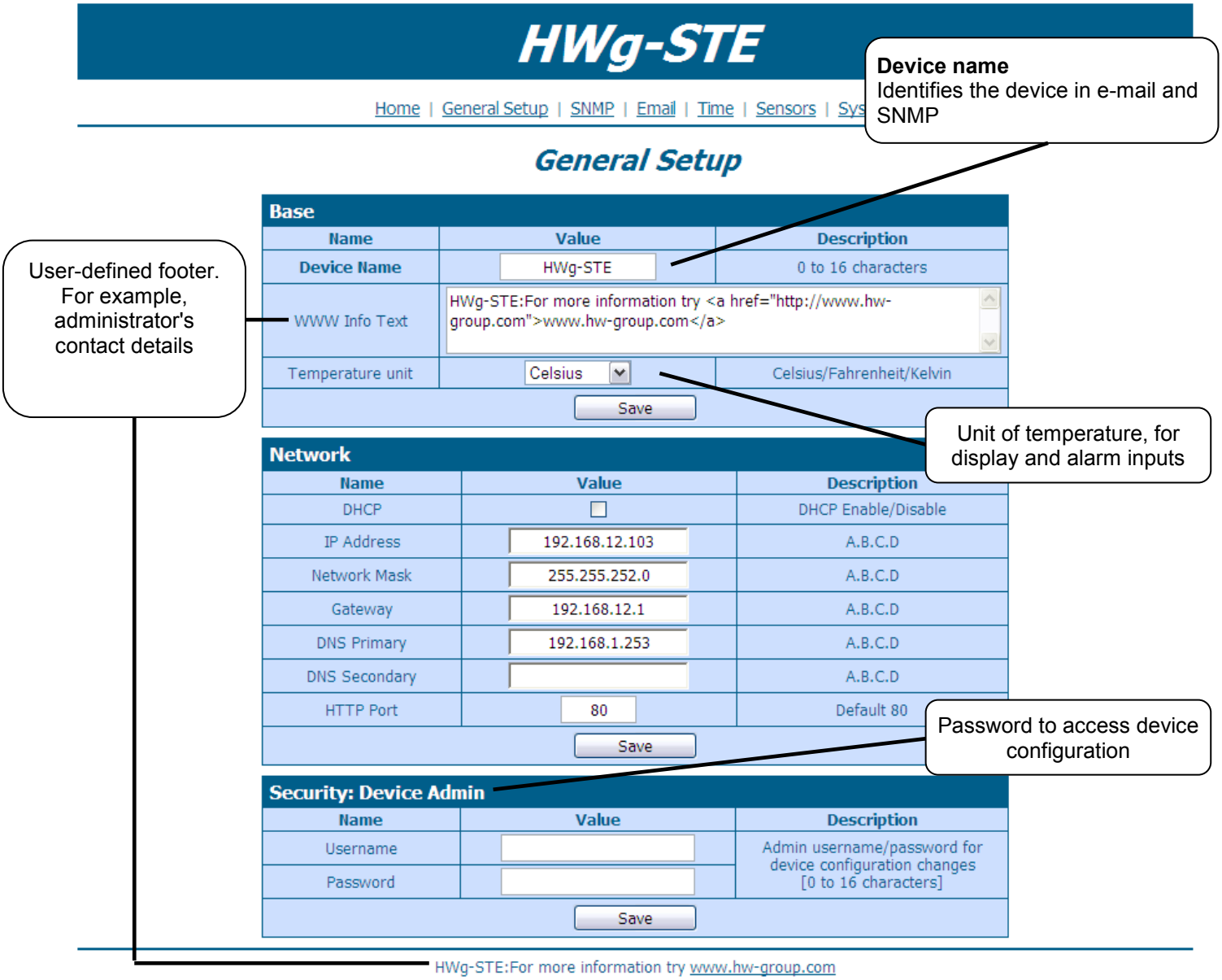
3) WWW interface of the device



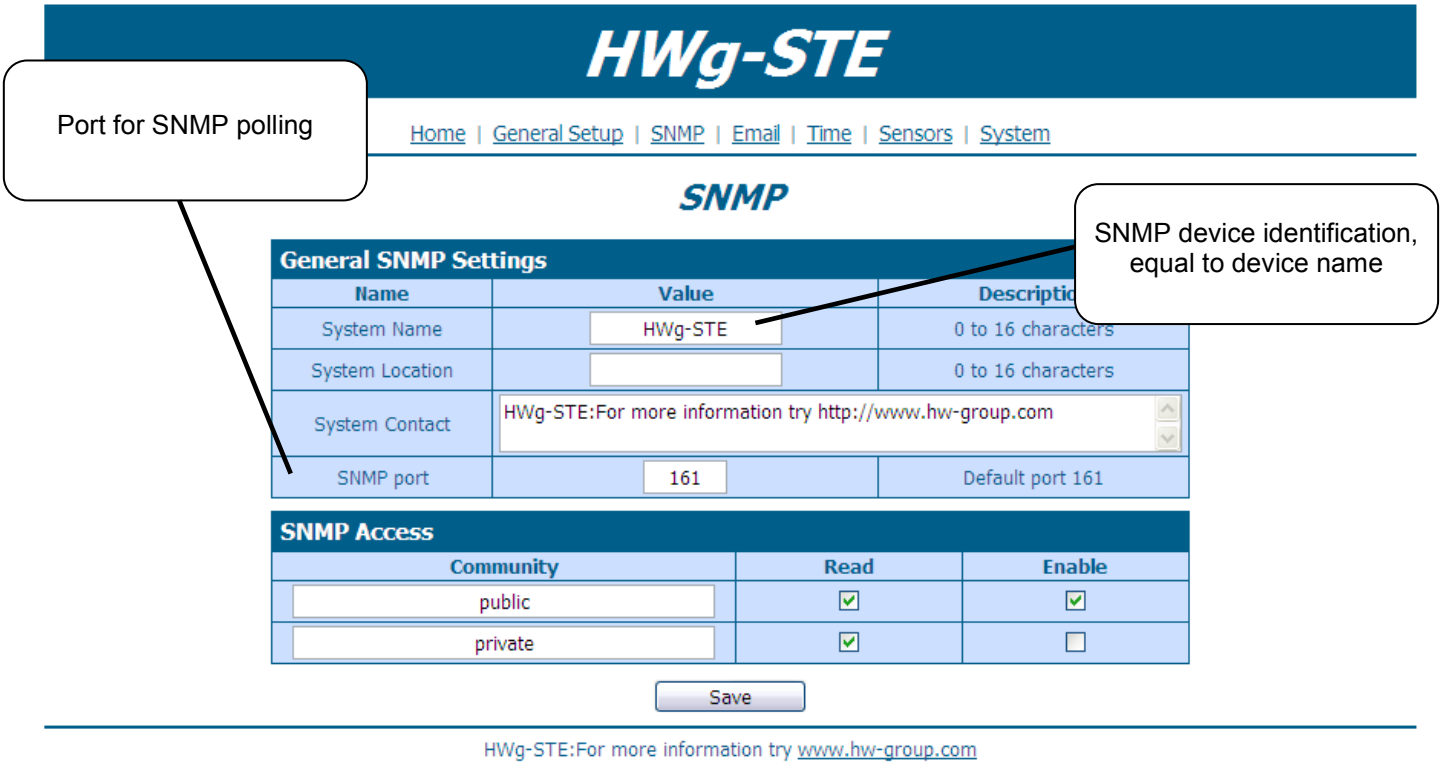
- **To open the WWW interface of the device**:
  - Enter the IP address into a web browser
  - Click the IP address in UDP Config
  - Click the underlined IP address in UDP SETUP
- The WWW page displays current states of inputs and outputs.
- Click the "**Graphic Flash SETUP**" link to open the graphical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



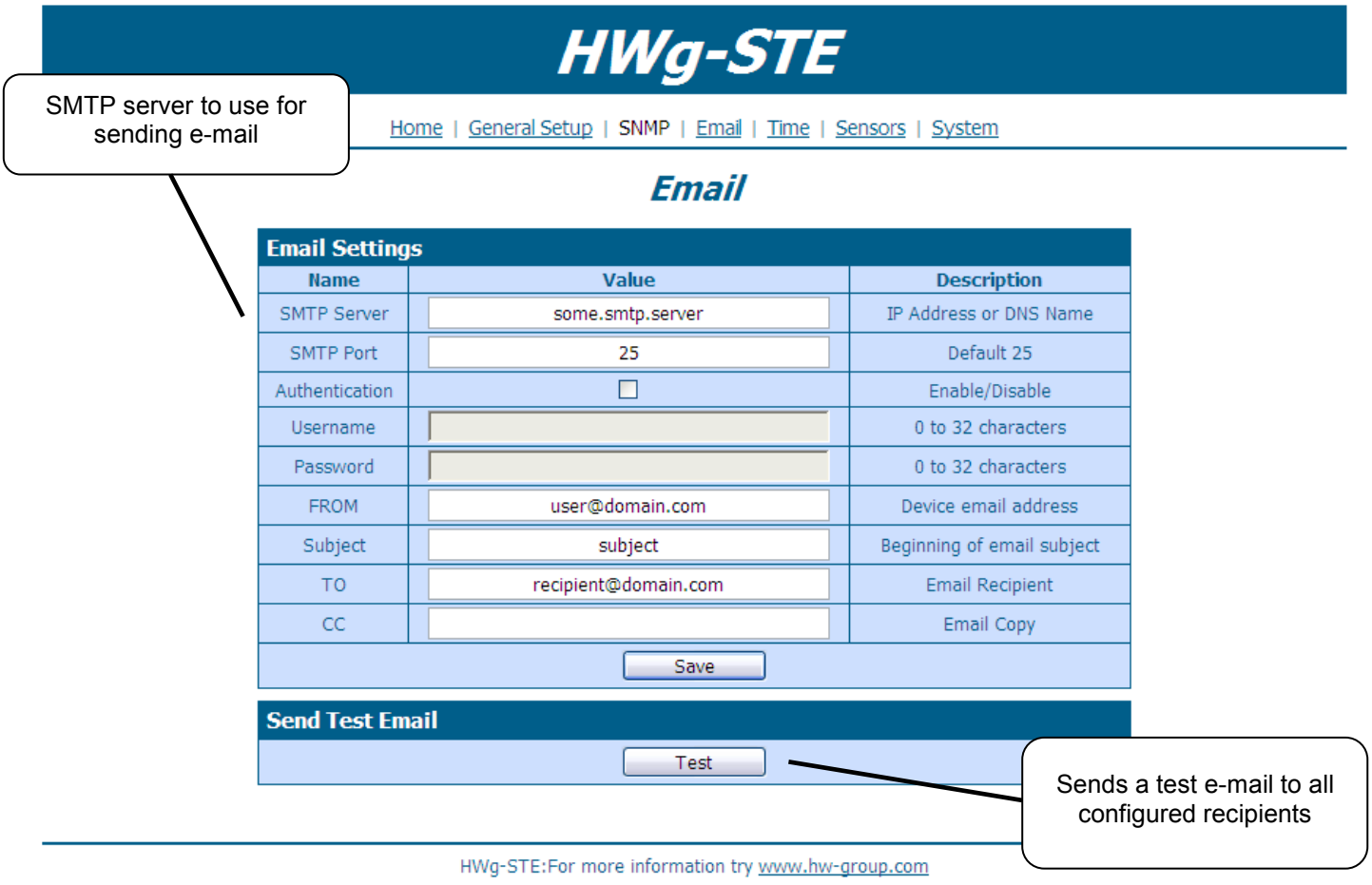
Product configuration



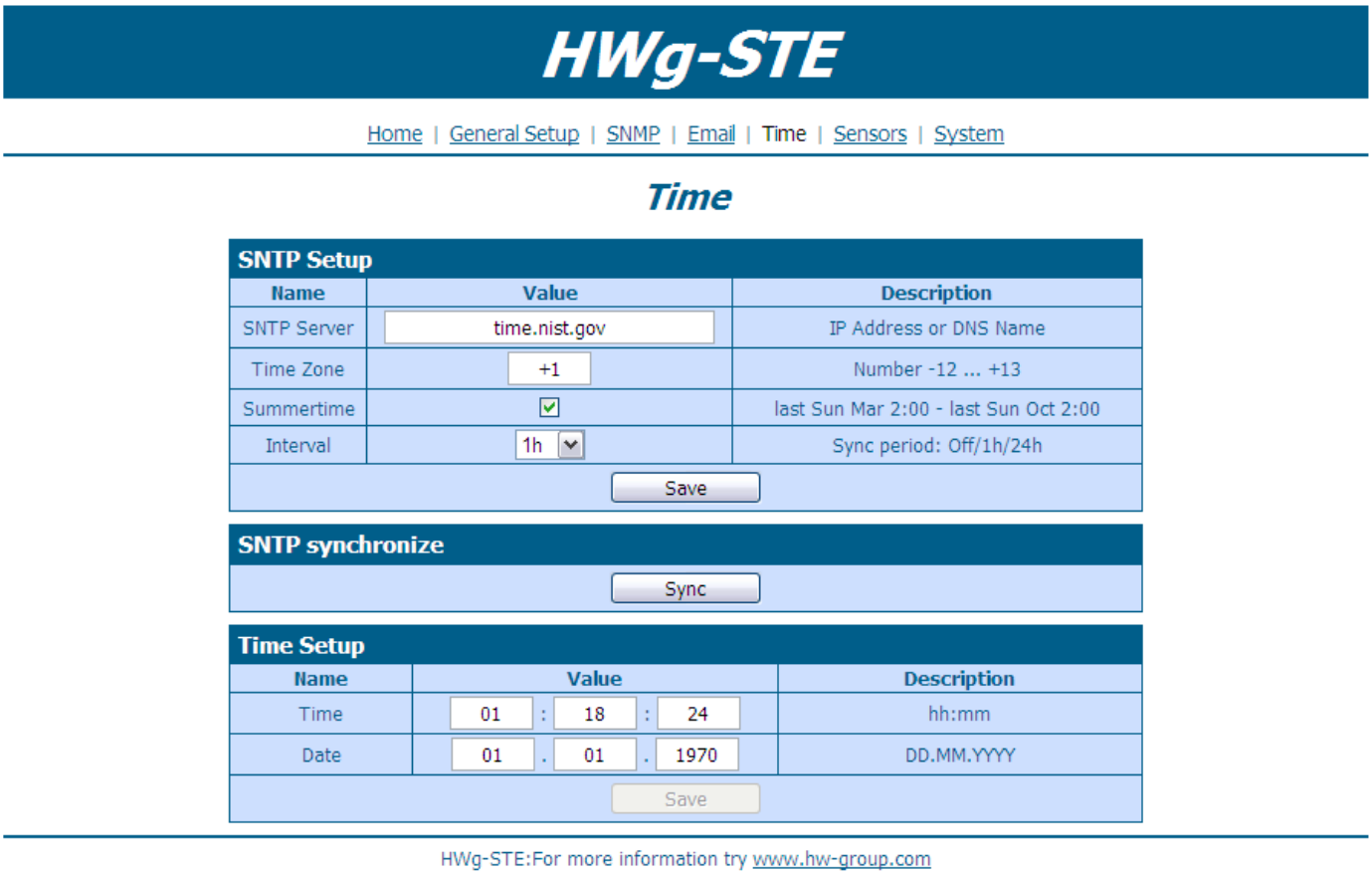
SNMP


Port for SNMP polling
SNMP device identification, equal to device name
HWg-STE
Home | General Setup | SNMP | Email | Time | Sensors | System
SNMP
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

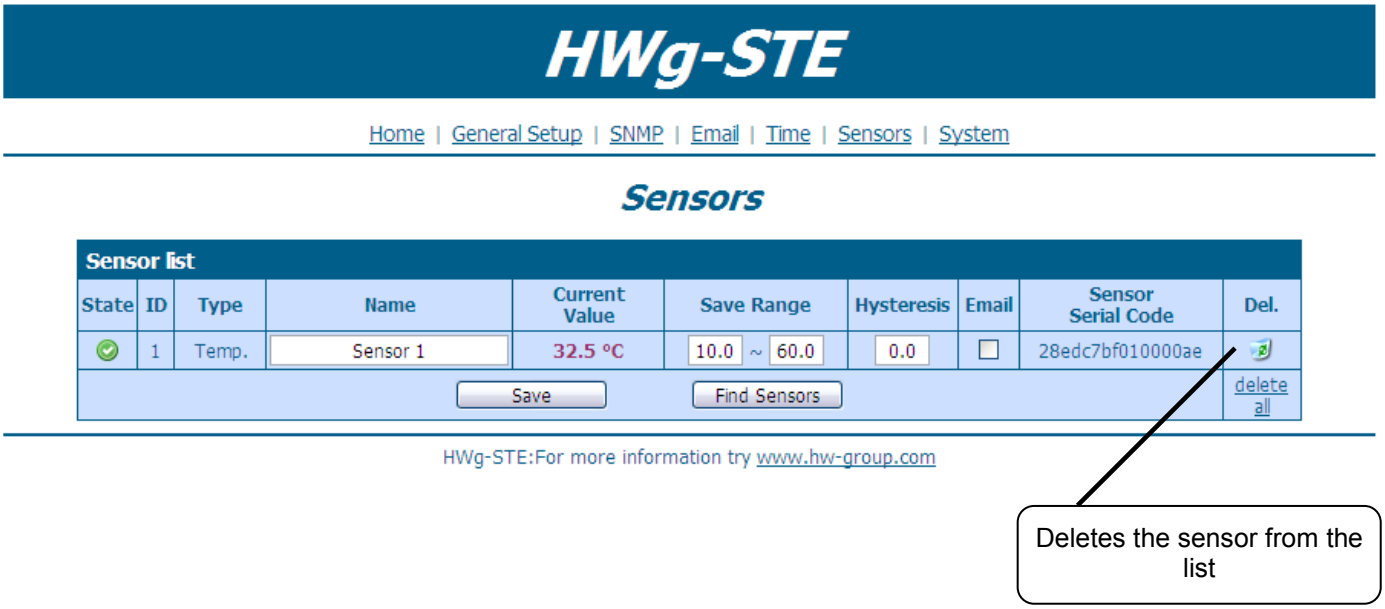
Email


SMTP server to use for sending e-mail
Sends a test e-mail to all configured recipients
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
HWg-STE:For more information try www.hw-group.com

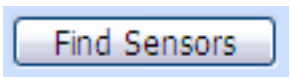
Time



Sensors



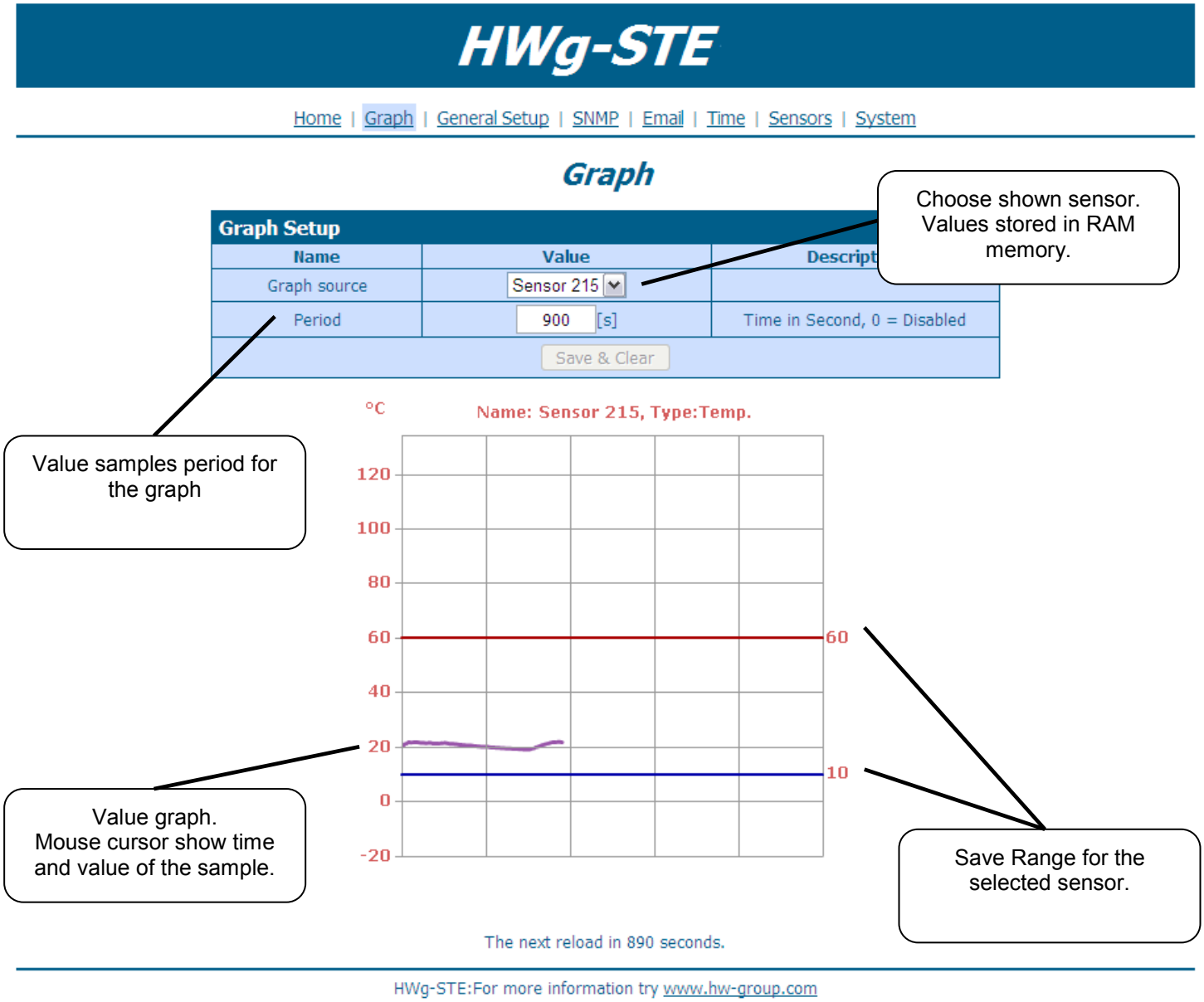
Deletes the sensor from the list



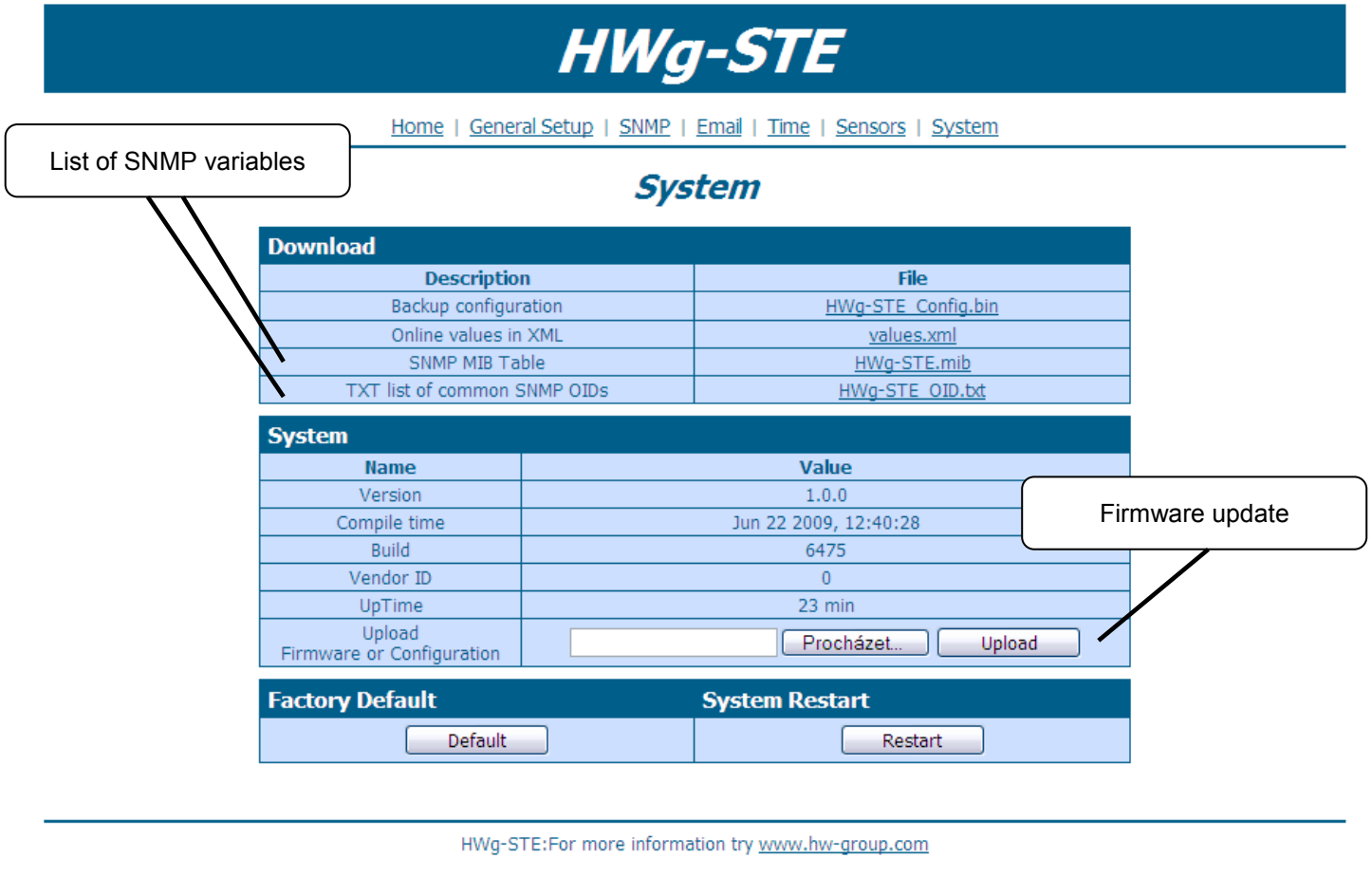
- Scans for changes in connected sensors

Graph

Graf is available in firmware 1.0.12 or higher



System


HWg-STE
Home | General Setup | SNMP | Email | Time | Sensors | System
List of SNMP variables
System
Download
Description
File
Backup configuration
HWg-STE_Config.bin
Online values in XML
values.xml
SNMP MIB Table
HWg-STE.mib
TXT list of common SNMP OIDs
HWg-STE_OID.txt
System
Name
Value
Version
1.0.0
Compile time
Jun 22 2009, 12:40:28
Build
6475
Vendor ID
0
UpTime
23 min
Upload Firmware or Configuration
Procházet...
Upload
Firmware update
Factory Default
System Restart
Default
Restart
HWg-STE:For more information try www.hw-group.com

Technical specifications

- **Ethernet**: RJ45 – 10/100 BASE-T
- **2 sensor inputs:** RJ11 ports for connecting 1-Wire sensors (temperature, humidity...)
- **"SET" jumper**: configuration jumper to restore factory defaults
- **Device features**
  - **Alarms** by e-mail when a threshold is exceeded
  - **Remote monitoring** of input states and the temperature sensor
- **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