HWg-Ares 12

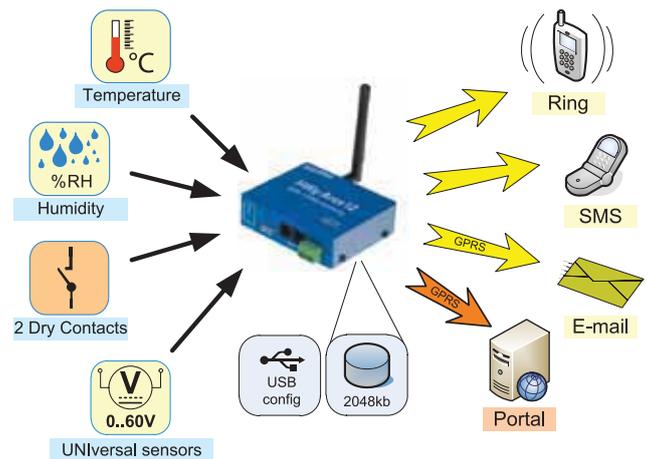## GSM/GPRS thermometer with Email and SMS alarms

HWg-Ares 12 is a remote environment monitoring solution that can be installed in a few minutes. It only needs GSM signal coverage.

The device contains an internal back-up battery. If the external power fails, up to 5 recipients are alerted by e-mail or text message.

Sensor data can be read into HWg-PDMS (free software), connected with a Web portal or passed to a SCADA/NMS system.

The Ares platform is ready for remote installations with hundreds of units. At the same time, it is easy to start with just one HWg-Ares 12 and the supplied PDMS software.

HWg-Ares12 is a complete GSM monitoring system – from sensors to MS Excel data export. GPRS traffic is cost-optimized. HWg-Ares 12 uses open communication protocols for easy connection with software apps.

Applications

- Back-up power systems, generators: environment and status monitoring

- Automatic teller machines – environment monitoring without tampering with the ATM connection

- GPRS monitoring of server rooms without accessing the local LAN

- Technology along roads, highways or railroad tracks

- Water source monitoring, including technical equipment status

- Storage and transport monitoring for pharmaceuticals or food

Sensors

- Temperature / Humidity
- Current 4-20mA
- Current 0-30A AC/DC
- Voltage 0–60V

- Light sensor
- Water flood
- 2x Dry contact input (door contact, flood or smoke detector, etc.)

✔ *Internal battery*

✔ *Configuration over USB*

✔ *FOTA (Firmware Over The Air)*

✔ *Transfer protocols optimized for reducing GPRS traffic costs*

✔ *Free HWg-PDMS software*

Basic features

- HWg-Ares is a telemetry device suitable for integration with third-party central/portal solutions.

- With the HWg-PDMS software, HWg-Ares can offer an instantly usable data collection solution.
  Data outputs include logs+MS Excel analysis or a XML database.

- Data collection over GSM using HWg-Ares can be combined with other HWg IP sensors (Poseidon, Damocles, HWg-STE, HWg-PWR, and more).

- Digital inputs enable monitoring of any device with a relay output.

- HWg-Ares supports the same RJ11 (1-Wire and 1-Wire UNI) sensors as the Poseidon family.

- SMS notification of up to 5 recipients is advantageous for simple applications.
  Text messages can be customized with macros.

- Sensor or device status can be requested by texting or calling the device.

- Configuration software needs no installation. The Windows app appears on a "Mass Storage" drive after connecting HWg-Ares to an USB port.

- The internal battery enables alerting to failed/restored power supply. Suitable for monitoring UPS and back-up generators.

- Roaming functions reduce data costs outside of the home GSM network. Suitable for automotive or marine applications.

- Data can also be e-mailed to HWg-PDMS using GPRS. This works in all GSM networks, including roaming partners.

Basic features

Power supply	9–30 VDC / 0.5 A
Internal battery	Li-Ion (3-8 hodin*)
Digital inputs (dry contact)	2
1-Wire UNI sensors	3
GSM	Quad-Band 850/900 / 1800/1900 MHz
Flash log	2 Mb / 170,000 records (e.g. 3 sensors @ 5 mins = 200 days)
Alarms	Email, SMS, HWg-Push
Protocols	SMTP, NTP, HWg Push (http)
Authentication	STARTTLS (Google SMTP)
Configuration	USB, Mass Storage app
FW upgrade	USB / FOTA
SMS control	FW upgrade, status management
Roaming support	GPRS active in home network only

*) Time on battery depends on the number and types of sensors. Some sensors consume more power.

Dimensions	76 x 93 x 28 mm
Antenna	External, SMA connector
Mounting	Wall mount / DIN rail
Operating conditions	5-50°C / 20-80% RH
Certifications	CE, FCC

Ordering

HWg-Ares 14 plain	HWg-Ares 12 Tset	HTemp-1Wire 3m	Sensor 60V 1W-UNI	Sensor Light 1W-UNI 3m

HWg-Ares 12 Tset	HWg-Ares12 unit, 3m temperature sensor, exteral 3m Quadband antenna, power adapter, CD, quick start guide.
HWg-Ares 12 plain	HWg-Ares12 unit only. Does not include a power adapter, antenna, or sensors.
HWg-Ares 14 plain	HWg-Ares14 unit only. Does not include a power adapter, antenna, or sensors.
DIN Rail box set	DIN rail mounting set