



WEBU TCP-GPRS MULTIVECTOR REMOTE ALARM PERIPHERAL DEVICE



DESCRIPTION

The WEBU TCP-GPRS device is an alarm transmitter that works on two different vectors: the TCP/IP and the GPRS/GSM networks. It is equipped with both a RJ-45 – Ethernet 100 T-Base interface and one GPRS/GSM Dual Band module.

The peripheral device has been conceived for applications with ADSL flat connection available. The TCP network is used as main channel to connect the peripheral device with the central station, whereas the GPRS, GSM or SMS vectors are available as back up channels in case of TCP network failure.

ADVANTAGES

WEBU TCP-GPRS provides for the highest safety level thanks to:

- a constant check of the operating status in TCP
- a constant monitoring of external tampering
- two completely independent vectors

FUNCTIONS

- “Out of GSM network” signal
- Jamming alarm transmission
- Black box
- Time band check for local management of system inputs/outputs
- Standard time automatic update
- Management of holidays and exceptions
- Cyclic function with feedback
- Alarm transmission temporary disabling
- Survival signal at no cost with fast polling via GPRS
- Remote update from central station **new**
- Peripheral device status scheduled checks upon Link TCP disconnection **new**

ALARM CAUSES

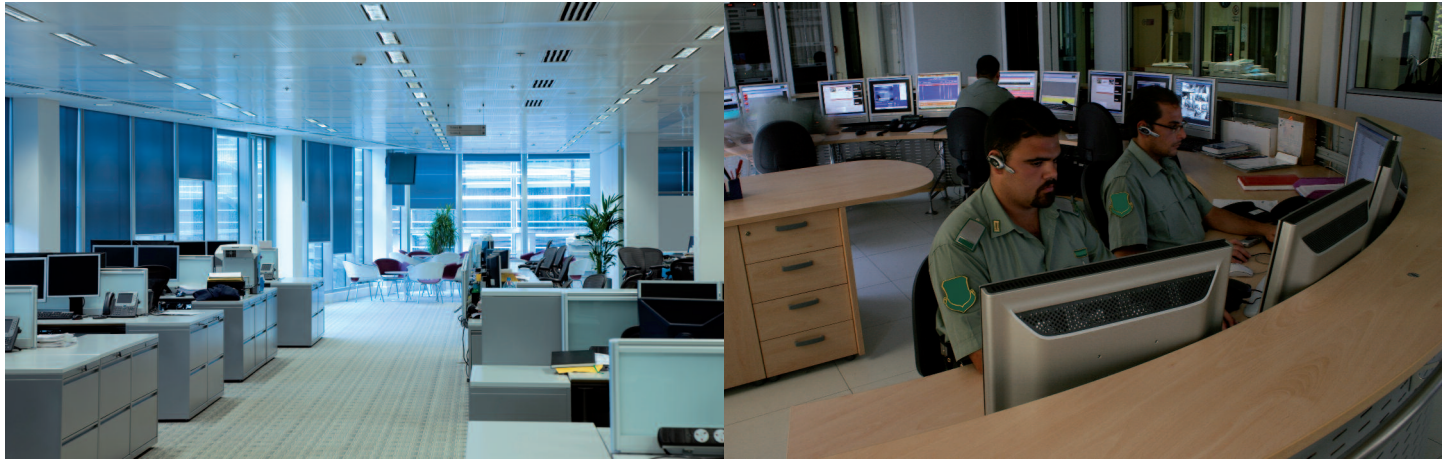
- Variation of digital input status
- Alarm threshold exceeding of an analogue input
- Tamper activation
- Test key pressed
- Power supply failure or restoration
- Low battery
- Jammer connection
- No GSM field
- System local enabling/disabling failure

ALARM MANAGEMENT

In case of alarm the peripheral device connects to the central station in TCP/IP mode; if it is not possible to establish a connection, the device activates in sequence the alternative channels: GPRS, GSM data, SMS.



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CONFIGURATION AND PROGRAMMING FROM THE CENTRAL STATION

The device complete programming can be carried out by the central station via TCP and GPRS/GSM. Besides the TCP/IP addresses and code, the central station sets up the alarm transmission attempt strategy via GPRS/GSM channel as well as the input and output configuration.

OTHER OPERATIONS FROM THE CENTRAL STATION

- Device reading to acquire the status of digital and analogue inputs, as well as dedicated outputs and inputs (tamper, network and battery status)
- Activation of both bistable and impulsive outputs
- Programming parameter check

IT SAFETY

The peripheral device rejects any incoming call; being a client it can communicate with Ateargo server only. This system proves to be extremely safe thanks to the central unit software for TCP communication management combined with a last-generation firewall.

TECHNICAL FEATURES

- **Device type:** PA66 – WEBU TCP GPRS Peripheral device
- **Ethernet interface:** RJ-45 100 T-Base
- **Inputs:** 14 clean contact inputs with pull-up - low level <0.8V; high level >2V; low level current 1 mA; max voltage 5V; 2 analogue inputs that can be configured both in current and voltage; tamper for device opening signal; alarm transmission test key
- **Outputs:** 8 open collector outputs that can be configured both as bistable and monostable, max. 100 mA; auxiliary voltage 13.5 V and max current 200 mA
- **Power supply failure/restoration alarm** with programmable delay
- **Battery:** 12 V 2 Ah. Protection against polarity inversion.
- **Battery autonomy:** nearly 16 hours (recharge time, nearly 8 hours)
- **Battery status detection:** charged battery / low battery / stop-battery with device automatic switching off
- **Indicators:** 5 LEDs indicate the device operation status
- **Programming software:** in Windows environment for device local configuration
- **Power supply:** 230 V~ ±10%, 50 Hz
- **Consumption:** 100 mA
- **Operating temperature:** -10 / +55°C
- **Dimensions (mm, L x H x D):** 240 x 265 x 75
- **Weight:** (without battery) 2 kg

Urmet reserves the right to change the characteristics of the illustrated product.

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