

STD32

Telemetry Terminal for Remote Monitoring and Control Applications

The STD32 is a telemetry device designed for alarming applications via SMS or E-mail and to switch up to two output relays via tollfree calls, SMS or using a Smartphone App.

It offers 2 digital inputs to monitor the status of any connected appliances or machinery. In case of an alarm, the STD32 will automatically send an SMS or E-mail to up to 5 recipients.

The Telemetry terminal can be configured by a variety of means, including by sending a defined set of SMS commands or by using a dedicated STD App for Android smartphones.

Key Benefits

- Water protected and robust housing (glass fibre reinforced)
- Toll free phone call function
- Easy configuration via SMS, Configtool and Smartphone app for Android

Key Features

- Quadband GSM/GPRS telemetry device
- 2x Digital Inputs
- 2x 5A Relays
- USB-B internal interface for configuration

Sample Applications

- Remote control and monitoring of heating and sprinkling systems
- Generate alarms (SMS, E-Mail) based on input states
- Remote control of pumps, gates and entry areas



Air Interface

- 2G Frequency Band: GSM / GPRS Quad Band
- GPRS Class: Class 10

Software

- Device Configuration: SMS / Config Tool / Android App
- Status / Event Reporting: SMS / SMTP E-Mail / Android App
- SW Update: DOTA / USB
- SMTP E-Mail: Transmission of Event Data

Hardware Features

- Housing: Robust and water protected, glass fibre reinforced housing (min. GF30)
- SIM Card Holder: 1x (1,8/3 Volt)
- LEDs: 4x (Power / GSM / 2x Status)

Hardware Characteristics

- Operating Temperature: -30°C to +75°C
- Dimensions: 150x65x45 mm
- Weight: 230 g

Power Management

- Voltage Range: 7 - 32V DC
- Power Consumption (Typical): ~14 mA

Interfaces

- USB 2.0: 1x (USB-B connector; internal, for configuration)
- Digital Inputs: 2x (galvanically isolated; common external ground)
- Switching Capacity (Relays): 2x (5A/250V AC, 5A/30V DC, resistive load)

STD Smartphone App

The free of charge STD Android App simplifies the configuration and utilization of the telemetry units. The following features are supported



- Management of all listed devices
- Direct control of Relais
- Extensive options for configuration
- Tracing and monitoring of device, etc.

Accessories (Exemplary)

