

STD35

Telemetry Terminal for Remote Monitoring and Control Applications

The STD35 telemetry device is targeted towards remote monitoring and alarming applications using SMS or E-mail messages. It can also be used to switch up to five output relays via tollfree phone call or SMS.

It offers 3 digital and 2 analogue inputs to monitor the status of connected appliances or machinery. In the case of an alarm, the STD35 will automatically send an SMS or E-mail to up to 5 configurable recipients. The integrated backup LiPo battery can ensure that important alarms and status information can be transmitted to the user even in the case of a power outage.

The Telemetry terminal can be configured by a variety of means, including the serial interface or by sending SMS commands.

Key Benefits

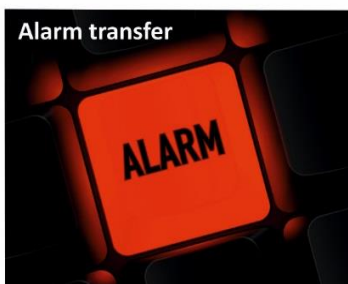
- Water protected and robust housing (glass fibre reinforced)
- Toll free phone call function
- Transmission of alarms event during power cuts
- Easy configuration via SMS or Configtool
- Use analog inputs to transmit measurement values from external sensors

Key Features

- Quadband GSM/GPRS telemetry device
- 3x Digital Inputs
- 2x Analogue Inputs (0 - 32V)
- 2x 5A Relays + 3x 1A Relays
- Integrated 660 mAh backup battery
- 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, also when disconnected from main power source
- Remote control of pumps, gates and entry areas



Wireless Features

- GSM/GPRS Frequency Bands: GSM / GPRS Quad Band
- GPRS Class: Class 10

Hardware Features

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

Software

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

Interfaces

- USB 2.0: 1x (USB-B connector; internal, for configuration)
- Analog Inputs: 2x (12 bit; max. 32V)
- Digital Inputs: 3x (galvanically isolated; common external ground)
- Switching Capacity (Relays): 2x (5A/250V AC, 5A/30V DC, resistive load) | 3x (1A / 30 V DC)

Power Management

- Voltage Range: 7 - 32V DC
- Power Consumption (Typical): ~11 mA
- Internal Battery: 660 mAh (LiPo; backup)

Hardware Characteristics

- Operating Temperature: -30°C to +75°C
- Recharging Temperature: 0°C to +45°C
- Dimensions: 150x65x45 mm
- Weight: 230 g
- Terminal is shipped by default with a rectangular antenna



Magnetic Antenna



Power Supply



Roof Antenna



Patch Antenna



Rectangular Antenna



Stub Antenna

Tellic certified Accessories.



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Product specifications are subject to change without prior notification. CEP Terminals is a brand of the Tellic AG.