IQtronic

Solutions to control and save energy

IQTD-GS820

GSM gateway controlled by SMS, making a call, IVR self service and Bluetooth terminal, with 2 digital optically isolated inputs and 2 power otuputs.

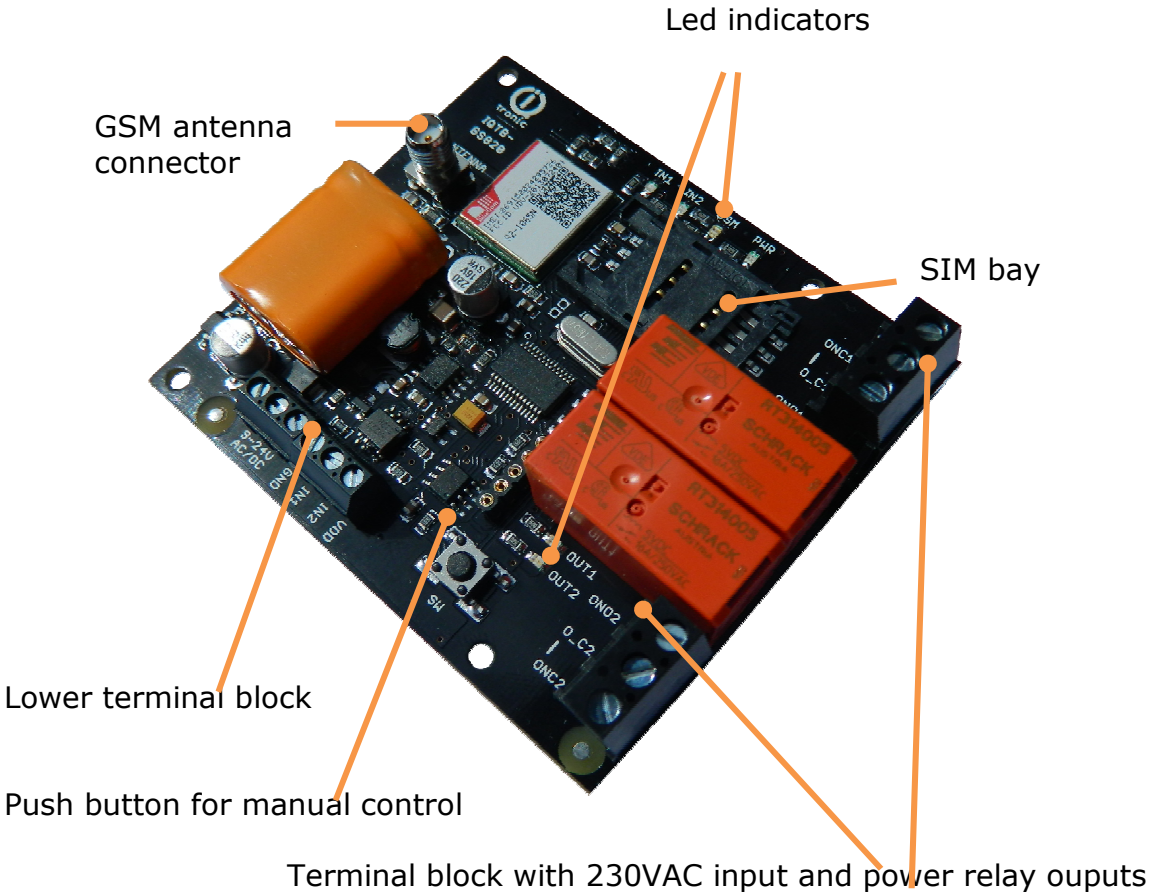
Product features

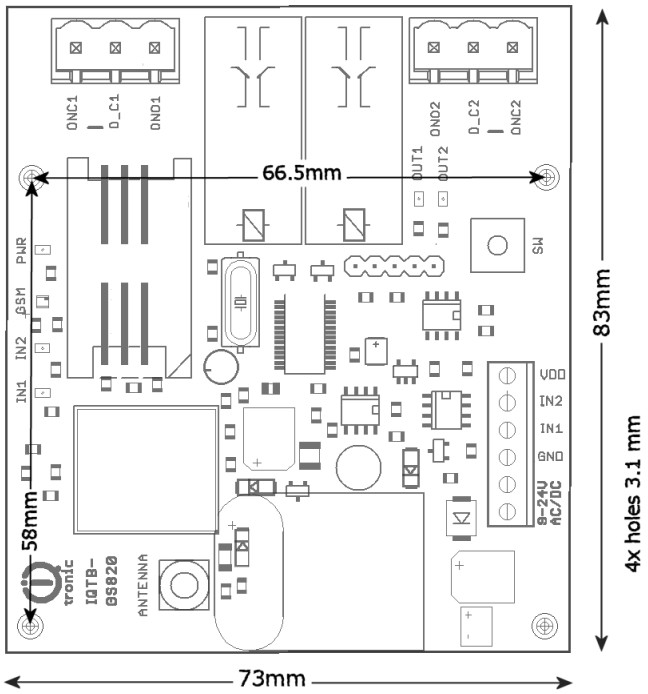
IQTD-GS820 is a highly sophisticated dev
ice intended to control electrical appliances connected to device's output power socket by sending SMS messages and making calls to device's SIM card number by means of a mobile phone. IQTD-GS820 can be also controlled wirelessly via Bluetooth using IQcontrol software terminal. An interactive voice self service (IVR) is another way to control your device.
This product has also two optically isolated digital inputs It incorporates up to 90 implemented SMS commands.

The output of the device is two **230V** switched power relay outputs with the maximum current capacity of **16A. It can be used for capacitive loads – e.g. switched power supplies as well.**

Among others, the product has the following interesting functions:

- **Designed for universal AC or DC voltage type up 24VAC or 40VDC.**
- Turning electrical appliances on and off by SMS messages or by making a call to device's internal SIM card number.
- Automatical control: turning electrical appliances on and off at predermined time by means of a scheduler or at a user-specific time.
- **Sending automatically an alert on power failure and restore.**
- Restarting appliances, such as servers.
- Monitoring the external input status: Two digital inputs for DC voltage.
- Alarm function: event at digital inputs, power failure, power restore.
- Alarm in case of a GSM signal jamming.
- Up to 12 alarm numbers, each of the numbers can be set for a different event.
- Time scheduler function, up to 50 events.
- Automatical logging of all events into the internal memory.
- **Interactive voice self service that can be customized by a user.**
- Configuration via Bluetooth with a professionally designed IQcontrol software terminal with an intuitive usage.
- One Administrator password and up to one thousand user numbers.
- Texts of commands and responses can be customized by user.
- Option to save and restore of the configuration, to download event log file.
- User numbers can be uploaded from a text file.
- Upgradeable firmware.
- Possibility to change the rights of SMS commands.
- Supports control from Internet SMS gateways.
- Sending of SMS status via GPRS (TCP or UDP).
- **Advanced integrated navigation HELP.**
- Option to control by means of ANDROID application.
- Connector for external antenna for areas with poor GSM signal.
- Option to insert more commands in one SMS message (160 characters).
- Two independent actions can be set for incoming call.





Power Terminal Block

ONC1,O_C1,ONO1 – isolated contacts of relay/output1 16A
ONC2,O_C2,ONO2 – isolated contacts of relay/output2 16A

Lower Terminal Block

AC/DC power supply, it can be used AC ord DC voltage up 24Volts.
GND - Ground potencial of device
IN1 - digital input 1, two stage, 0 – 30 VDC, S0, optocoupler
IN2 - digital input 2, two stage, 0 – 30 VDC, S0, optocoupler
VDD – System voltage 3V3 without fuse protector !

Please note that all signals at the lower terminal block are referenced to the **GND pin**. Be careful when using any from provided voltage outputs, it is not recommended to take significant current from these pins.