IQtronic SMART Controller

IQTD GS440

GSM gateway controlled by SMS, making a call, IVR self service and Bluetooth terminal, with universal inputs.

...makes your life more comfortable

Technical information

IQTD-GS440 is a highly sophisticated GSM smart controller 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-GS440 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 a universal input to connect external accessories: up to 8 temperature and humidity sensors. It incorporates up to 130 implemented SMS commands, but please note: **advanced functions are permited under licencies Medium and Full.**

The size of device is 4 DIN units.

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Among others, the product has the following inputs, outputs and functions:

- Two 230V switched power relay outputs with the maximum current capacity of 16A – resistance load.
- Two DC switched outputs up 40VDC with 6A, it can also be set as PWM outputs – LED bulbs, FANs, e.g.
- Two independent powered and monitored inputs: 230VAC and DC up 24VAC/VDC with alarm SMS alerts for power fail/restore.
- SIM card and SD card (not supported in this time) is inserted from front panel.
- Back up battery (not included) as option – LiPol/LiIon cell 3.7V size 14500 easy inserted throught front panel with precise monitoring status: inserted, charging, charged and its capactity in case of power fail.
- Turning electrical appliances on and off by SMS messages or by making a call to device's internal SIM card number.
- GPRS M2M function, TCPIP get for directly send inputs status to server (for example Thingspeak), also for get XML status from server to set device's outputs.
- 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 A/D inputs - monitoring electric fences and AC/DC voltages with autodetect, 4 digital inputs DIN1, DIN2, DIN3, DIN4 for DC voltage.
  One universal bus for temperature and humidity sensors.
- Thermostat function.
- Alarm function: temperature alarm, humidity alarm, A/D, or change 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.
- Up to 1000 authotized users and 2 Admin numbers.