

GSM RELAY, GSM RELAY 2 Control of Appliances Using GSM Network

Basic Characteristics

The GSM RELAY device controls electrical appliances by switching on or off the power 230 V / 50 Hz, 10 A max. in the power socket. The control is made by SMS messages sent to the device, that can sent back SMS confirming, that the command was executed. The SIM card of any GSM operator is inserted into the device and upon the first switching-on the device stores the basic settings in the card that can be later modified by user. The GSM RELAY is provided with the reed contact inside the box activated either by motion of magnet or by 12 V voltage applied to the optional 12V DC coil (item GSM-RELE-IN) fitted outside the box. GSM RELAY 2 has additional 3 logical inputs and 2 logical outputs with solid state relays on the connector to be used to control more devices like gate opening or garden watering. There is also internal input with the temperature sensor and a connector for the external temperature sensor to measure and control the temperature.

Use of GSM RELAY

- **Houses, bungalows** remote control of heating, water heating, air conditioning, remote controlled thermostat, gate opening
- **Event reporting** opening of doors, windows, alarm



Advantages of GSM RELAY

- **Simple installation** only plugging in into the wall socket without any necessity to make changes in electric installation
- **Easy control** just send a SMS message in the required form from your mobile telephone or from Internet
- **Plug & Play type device** no complicated settings are necessary, just insert the SIM card and plug into the wall socket – automatic basic setup
- **Settings on the SIM card** can be easily modified by editing the phonebook in any mobile telephone
- **Logical inputs** enable a call or sending a SMS to the users when an input state is changed (e.g. alarm activation). The coil or magnet is ordered separately

GSM RELAY 2 has more:

- **Events history** any User's activity is recorded into the SIM card
- **Heating control to desired temperature sent by SMS** if desired temperature is higher than actual temp. the selected output is switched on
- **Remote control by calling the device phone number** open an entry gate or a garage door by calling from your mobile telephone, no charge for refused call



Technical Data

Voltage: 230 V (+/- 10%)

Internal consumption: max. 0.8 W (idle) / 1.5 W (active)

Operating temperature: -20 to +40 °C

Output, input:
El. Power socket: 1x230V/10A
Magnetic contact: 1x

GSM RELAY 2 has more:
3 logical inputs: 8 .. 30V, 5mA
2 logical outputs: 60V, 100mA
Temperature sensors: KTY81
- 50 °C to +150 °C
(1 internal and 1 external)

The number of inputs and outputs at the connector can be changed on customer request for extra charge (total 5 I/O).