

GSM RelayBox v1.0

What is GSM RelayBox v1.0?

GSM RelayBox v1.0 is a kind of an industrial mobile phone which, like a regular mobile phone, has its own telephone number and connects to the mobile network. GSM RelayBox v1.0 enables you to monitor and/or influence a system that resides on some remote location.

GSM RelayBox v1.0 comes in an industrial box, readymade for rail mounting, with dimensions of 90mm X 53mm. The module has four relays which can be controlled by an SMS or by a call. The relays are switched ON for some predefined time which can be adjusted by an SMS.

The module has a unique system for authorisation: it can recognize three types of users, SUPERADMIN, ADMIN and USER. Every user type can use the module according to his privileges. For example, the user with plain USER privileges can switch relays ON and OFF (opening and closing of some gate), but the user with ADMIN privileges can do even more: he can add new and delete existing USERS on the module.

There is also a possibility for expanding the modules field of work by simply adding various sensors (sensors for temperature, humidity, movement detectors and sensors for current and voltage measurement).

The module is delivered with all the necessary equipment: high quality industrial power supply readymade for rail mounting and a GSM antenna. You are only required to put a valid SIM card, and GSM RelayBox v1.0 is ready to work for you.

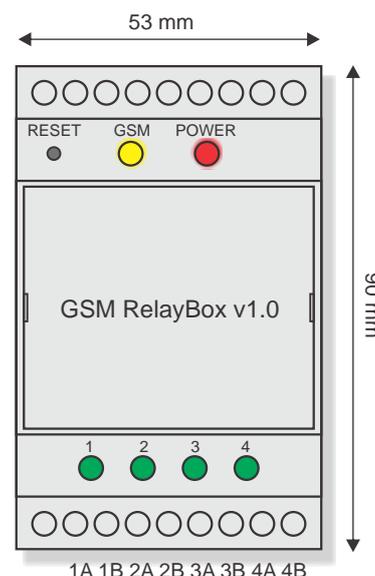
Application examples

Example 1. GSM RelayBox v1.0 has a unique system for authorisation, which can be used as an access control device. After receiving one simple call or an SMS message, it could open or close garage or front door, etc., after checking whether the user is entitled to make such kind of action.

Example 2. You can control irrigation and ventilation in your greenhouse by sending an SMS to the module and by adding necessary sensors you could monitor the temperature and the humidity inside the greenhouse. In this way, maintenance of remote greenhouse is a much easier job to do, while the protection from freezing and from high temperature and humidity is on a much higher level.

Example 3. With the mounting of an appropriate contactor, GSM RelayBox v1.0 can be used to switch ON and OFF electrical devices with various power consumptions on any remote site. You could use it to switch heating in remote warehouses or countryside, to control irrigation, air conditioning, etc.

Example 4. Together with the movement detector, GSM RelayBox v1.0 becomes a powerful security system which could alarm the owner in case of an unauthorized entry into the facility (protection for cottages or warehouses, protection of houses during vacations and holidays, etc.) The same device could be used as an access control system, by allowing authorized users to make actions (open the door, be in the room, etc.)

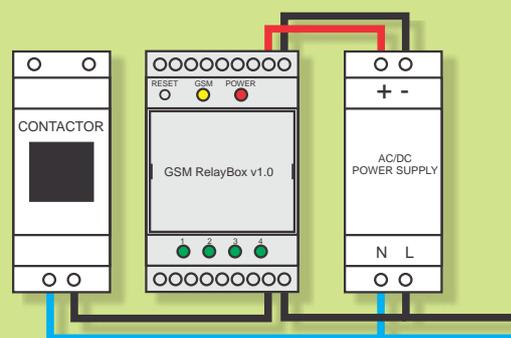


Field of application:

- Agriculture
- Industry
- Residential
- Security
- Access control

Applications:

- Gate control
- Irrigation control
- Remote greenhouse management
- Security system
- Monitoring of remote facilities
- Control of heating and air conditioning at remote sites
- Control over remote machines



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