

GSM RELAY 2 – DIN

Control of Appliances Using GSM Network - DIN Rail, 230V AC Power

Basic Characteristics

The GSM RELAY 2 – DIN controls two independent electrical circuits in a building. e.g. circuit of an accumulator stove and circuit for garage gate opening. The control is made by SMS messages or by ringing. It is necessary to make connections in an electrical box and insert a SIM card of any GSM operator and the device is ready to operate. There are two galvanically isolated outputs with a semiconductor switch, which can control directly low power circuits up to 400V DC or 260V AC. It's possible to directly control e.g. a thermoregulator circuit of a gas boiler or a coil of one phase contactor 230V AC. The contact of this contactor can control either one phase high power appliance (e.g. electrical radiator) or a coil of three phase contactor of an accumulation stove. There are also two logical inputs which can be activated by a contact from 4V power provided by GSM RELAY 2 -DIN or by an external voltage 4 to 8V or 8 to 30V. Input voltage range can be selected by jumpers separately for each input. There is an internal Lion battery that enables to send an SMS in case of a power failure and to restore the output status after a power failure. It's also possible to monitor the status of inputs and temperatures via SMS during 230V power failure.



Technical Data

Power Supply: 230V AC (+/- 10%),
typ. 3.5W, backup battery included

2 logical outputs: max. 400V DC/ 130mA
or max. 260V AC/ 90mA

2 logical inputs: 4 to 8V DC or
8 to 30V DC (3,5mA for 12V)

2 inputs for temperature sensor:
2 x KTY81 -50°C to +120°C

Operating temperature: -20° to +40°C

Advantages of GSM RELAY 2 - DIN

- **Simple installation**
Attachable to DIN rail, removable screw terminals
- **Plug & Play type device**
Basic setting is automatic after power goes on first time. No complicated setting needed. Just insert SIM card and switch on 230V power supply

GSM RELAY 2 – 12V

Control of Appliances Using GSM Network –12V Accumulator supply

Basic Characteristics

The GSM RELAY2 - 12V device controls two electrical appliances located in remote areas without 230V power supply, where 12V accumulators, charged from solar panel or by wind, are used. The control is made by SMS messages or by ringing. After making necessary connection insert a SIM card of any GSM operator and the device is ready to operate. GSM RELAY 2 - 12V has two outputs with bistable relays each with change-over relay contacts 230V/ 8A max., which is capable to switch directly an appliance. Bistable relays having no power consumption in stable state are used. The energy is needed only for a state changing. There are also two logical inputs which can be activated by an external voltage 8 to 30V. In case of a 12V power failure the device restores the output setting after power goes on again.

Technical Data

Power: 12V DC, 20mA typically

Operational period: With accumulator 12V / 7.5 Ah
375 hours (it means 15 days)

2 logical outputs: each output has change-over contact 230V/ max. 8A
(2x 3 terminals)

2 logical inputs: 8 to 30V DC, 5mA

2 inputs for temperature sensors:
2 x KTY81 -50°C to +120°C

Operating temperature:
-20° to +40°C



Advantages of GSM RELAY 2 – 12V

- **Simple installation**
Mount the GSM RELAY 2-12V on a installation box or directly on a wall and connect wires into terminals
- **Plug & Play type device**
Basic setting is automatic after the first power on. No complicated setting needed.