



## ■ Features

- GSM 900/1800/1900 MHz relay management device
- No domain restriction for sending the command
- Management of one relay output with NO contacts with free call
- Adjustable time interval of relay output activating after the call
- Up to 200 GSM numbers that can control relay output
- Adjustment through SMS or RS232
- One digital input with ability to notify about status change by SMS
- RS232 DCE serial interface
- Power supply range 8 to 30V DC
- DIN 35mm rail mounting

## ■ Description

GSM Key is GSM relay management device that uses GSM network for managing one relay output with free call. Managing of relay output is allowed to numbers defined in list that can contain up to 200 GSM numbers. It is possible to adjust the device with SMS, and to get report about digital input status. Standard RS232 connector is used for simple adjusting of parameters through PC terminal. Antenna is connected on female SMA 50Ω connector. State of the device is indicated with four LED diodes. Device is powered with 8V to 30V dc voltage and is suitable for DIN 35mm rail mounting.

## ■ Application

- Managing (open/close) electrical gates and barrier gates with free call
- Door opening and switching lights in objects with interphone systems with free call (buildings, companies ...).
- Using cell phone as remote controller.

## ■ Function

GSM key enables remote management by one free call using one relay output. Device can be configured to send SMS about status changes on digital input. Input and output are galvanically isolated, thus enabling easy implementation into system. Relay output has high current capacity, so it can directly drive devices working on 220V.

## ■ Technical specifications

<b>GSM</b>	SIMCOM SIM300DZ Tri-Band GSM/GPRS 900/1800/1900 MHz Compliant with GSM phase 2/2+ standard
<b>Output power</b>	Class 4 (2W at 900MHz) Class 1 (1W at 1800/1900MHz)
<b>SIM card</b>	Mini SIM, 1.8V/3.0V
<b>Serial interface RS232</b>	DCE configuration, DB9 female
<b>Serial baud rate in command mode</b>	9600 bps, 8N1
<b>Digital input</b>	1 input with conjoint bulk Nominal 12V DC – 24V DC max 30V DC Logic 0 – Input voltage < 4V DC Logic 1 - Input voltage >5V DC
<b>Relay outputs</b>	1 relay with NO contacts, 5A, 30V DC / 250V AC Working in puls mode with interval of 10ms to 11min
<b>Antenna connector</b>	SMA female, GSM 50Ω antenna with 3m cable included
<b>LED indication</b>	Power ON, GSM ON, Ready, Busy
<b>Power supply</b>	DC power supply, from 8 to 30V
<b>Power supply connector</b>	Pluggable screw clamp 5mm, 2.5mm <sup>2</sup>
<b>Power consumption</b>	Standby 0.2W, max 3W
<b>Dimension</b>	70 x 85 x 58 mm (without connection blocks)
<b>Weight</b>	cca 150g
<b>Protection</b>	IP40
<b>Temperature range</b>	-20°C to +75°C, 0 to 95% RH (non condensed)
<b>Mounting</b>	DIN 35mm rail