

GSM Key

GSM relay management device

Highlights

- 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 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.

Technical specification

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

DECODE d.o.o.

Bulevar Nikole Tesle 30A

11080 Belgrade, Serbia

Tel: +381 11 311 0027

E-mail: office@decode.rs

www.decode.rs

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