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GSM REMOTE CONTROL RELAY

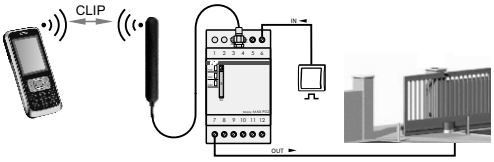
SIMply MAX P02

5 908312 597223

Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.

PURPOSE

SIMply MAX P02 is a GSM relay which allows to remotely open automatic gates, garage doors, barriers using a mobile phone. It can be used for objects with protected access and a large number of users in order to eliminate cost of remote controls for every user.



Program CONFIGURATOR

COMUNICATION

PC software can by run on computers with following operating systems: Windows 2000, Windows NT, Windows XP, Windows Vista, Windows 7, Windows 8. Before first run USB driver has to be installed. In order to perform the installation user has to run CDM20802_Setup.exe file. After the installation controller should be connected with PC via USB cable (USB-miniUSB).

PC Software

Software packet consist two files. The P02Config.exe is a application allowing to setup the SIMply MAX P02. The "phonebook" file stores phone numbers and user descriptions.
Run P02Config.exe and wait for the controller connection. Software should establish the connection automatically.

SIMply MAX P02 MESSAGES

SIMply MAX P02 successfully connected
SIMply MAX P02 disconnected
SIMply MAX P02 not found - connection failed
Searching - connecting to SIMply MAX P02
Success - operation ok
Failed - operation failed
Reading phones - reading phones numbers
Writing phones - saving phone numbers
Read success - verifying - comparing data between controller and "phonebook" file.

SUPPORTED FUNCTIONS

* cost-free operations (GSM CLIP service)
* two output relays with separated switching time settings
* possibility to set two different close times for both outputs
* two inputs witch can be used to direct control of the devices with external switches
* automatic close function with programmable delay
* PC configuration software
* memory for 500 mobile phone numbers

FUNCTIONING

Relay can works with any GSM 900/1800 mobile operator (no SIMLOCK). In order to operate properly a valid SIM card has to be installed.
Controller has two output relays used to generate external signals for gate openers or electric door bolts. Both of relays are working parallel but different signal durations can be set.
Thanks to the use of CLIP service all of commands are performed with no additional costs. The user dials to the controller number and waits until the controller rejects his connection. Relay verifies incoming phone number and decide to execute or ignore command. Additional external switches can be connected to device in order to control relays manually. In automatic mode, the relay output is activated again after a certain time in order to close the gate.

SETTINGS

File

Connect - connect to the controller
Disconnect -disconnect controller
Exit - Close PC software

Help

Information about PC software version.
Phonebook
Mobile phones numbers and descriptions form “phonebook” file

Commends

Read parameters - read current setup.
Write parameters - write new setup.
Verify phones - verify content of the controller memory and “phonebook” file. After the verification the controller will show one of this message:

* Phones are identical! - all of mobile phone numbers stored in controller memory match with “phonebook” file.
* Phone are different! - the differences were detected. After this controller will ask if user wants to restore memory with data stored in “phonebook”: Restore from phonebook? YES / NO.

Write phonebook - write phone data to the controller and "phonebook" file.

Pulse length

This parameter controls the relay closing time for corresponding output (practical time is in 1-2 s range).

Auto-off time

This parameter controls the time of delay for automatic close function. When auto-off time elapses the relay will close for the 2nd time.

SIM CARD

Controller requires a SIM card without PIN code protection. If the SIM card has a PIN code the user can deactivate it using his mobile phone.

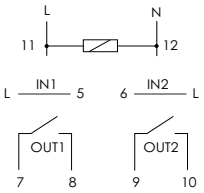
LED INDICATORS DESCRIPTION

* POW - Power supply ok.
* STAT - blinks for 0.5s with 1s period, GSM - turned off No SIM card
* STAT blinks for 0.25s with 0.5s period, GSM turned off Could not connect to the mobile operator (Make sure that SIM card PIN code is disabled)
* STAT blinks for 0.5s with 1s period, GSM turned on connecting to the GSM network
* STAT turned on or blinking, GSM blinking normal operation

GSM signal strength indication GSM blinking 0.15s in 6s period (from 1 to 6 blinks, 1-low signal 6 excellent signal)
Communication states indication STAT blinking 0.5s in 6s period (6 blinks incoming call)

* STAT turned off; GSM turned off - restart of controller is required

TERMINALS DESCRIPTION

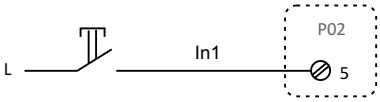


5	1st input
6	2nd input
7-8	1st output (separated relay)
9-10	2nd output (separated relay)
11-12	power input

WIRING

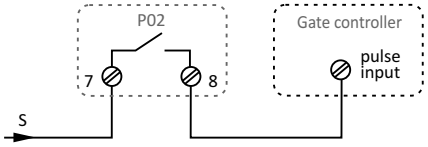
Note that the gate controllers can have different input types. Before wiring check the gate controller technical documentation and chose suitable option from the presented examples.

Input signal wiring for the manual control example. (terminal no. 5)

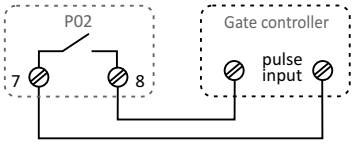


Output signal wiring example.

a) N or L signal input



b) non-volteage input



INSTRUCTION OF ASSEMBLY AND CONNECTION

1. Make sure the power is turned off.
2. Mount the SIMply MAX P02 on a DIN rail.
3. Connect the power supply to the device:(L - terminal no. 11; N - terminal no. 12).
4. Place the antenna in a place where the GSM signal is strong and plug the antenna connector into the controller.
5. Use a thin screwdriver to press the SIM card tray release button, place a SIM card on the tray and push it back into the controller. Make sure that you are using a SIM card without PIN code protection. You can easily disable PIN protection using any mobile phone.
6. Connect input signals and output devices according to wiring examples.

SPECIFICATION

Power suplly	230V AC
Inputs	
quantity	2
voltage tolerance	160÷260V AC
Output relays	
quantity	2
type	1NO
rated voltage	230V AC
rated load	<8A
Input ports	SIM, USB
Power consumption	
standby mode	1,3W
GSM communication	<3W
Operating temperature	-10÷50°C
Connectors	screw terminals 1,5mm²
Dimension	3 modules (52mm wide)
Mounting	35mm DIN rail
GSM Antena	SMA connector / dim. 20×100mm l=2,5m

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