Gsm security alarm system manuale italiano

I'm not robot
reCAPTCHA

Next

Gsm security alarm system manuale italiano

This site is not available in your country Here you have a simple GSM security switching project which is in fact a cell phone-based alert system configured to send an SMS in response to a security switching action. When the security sensor switch input recognizes an event, the system sends a custom alert message to a predefined cell phone number.This simple GSM Security Switch project only needs an Arduino Nano microcontroller and a SIM800L GSM modem.The diagram of the GSM security switch built around the Arduino Nano (V3) and SIM800L modules is shown below. As you can see from the schematic drawing, the system needs a stabilized and clean 5V/1A (min) dc power supply for proper performance. The microcontroller board (Nano_V3) runs on the 5V cc power supply and the modem (SIM800L) gets around 4.3V cc.When the hardware configuration is ready, simply load the sketch given to Arduino, turn on the system, and perform a test. Be sure to insert a valid micro-SIM card into the slot before switching on the system. Normally, the SIM card is automatically registered to the home network within a couple of seconds, and the built-in LED indicator on the SIM800L module flashes once every 2-3 seconds (not continuously) when it is correctly registered to the network.In the schema a micro-usb connector (USB_IN) is used as the dc input port. The red lamp (LED1) is the “ignition power” indicator and the yellow lamp (LED2) is the “status” indicator of the system. The first two resistors (R1-R2) are current limiters, and the rest of them (R3-R5) form a complicated configuration of the translator at a logical level. See also a buffer capacitor (C1) on the VCC line of the SIM800L module. A soft grounding of the sensor input (SW_IN) (Pin 1) will activate the generator instantaneously.Note that my dashboard prototype was tested with a 5VDC/1A mobile phone USB charger. It should be noted that the SIM800L itself requires a dc power input between 3.4 and 4.4 volts (at least 1A), and the module used here does not have a regulator. This cries for a healthy power supply, as if the power supply cannot be kept up to date, the module will be switched off / restarted in the middle of the service. There are so many outstanding Arduino libraries (e.g., that of Cristian Steib - Steibkhriz @ gmail.com) You can try, but the sketch that is included here, without any exceptional library, will work well for this app. Here, the communication between Arduino and SIM800L passes over a serial software, and uses standard in the commands. #Speaking #1x1x1x1x3x0x0x0