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Description: Arduino GSM Alarm System- This project is based on the Security system using PIR Sensor, Arduino Uno, and GSM module "SIM900A". The PIR sensor is used for Intruder detection. Whenever an unauthorized person is detected a message is sent on the desired number.

Arduino Based Home Security System

The security system can dial up to two phone numbers to alert you. It can also send text message to one of the numbers. Circuit and working. Fig. 1 shows circuit diagram of the Arduino based GSM home security system. It works off a 12V power supply (connected across CON2). An Arduino microcontroller (MCU) requires only 5V but a GSM modem ...

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The security system comprises of an Arduino Uno microcontroller and a standard SIM900A based GSM/GPRS modem. The whole system can be powered from any 12VDC/2A power supply unit/battery. System diagram of the security system is shown here.

Arduino GSM Home Security Alarm System Project

These systems do not require any human interaction. Detailed description. IOT and Arduino Based Home Security System uses four Sensors, namely, Temperature, Smoke, LPG and IR sensors. Data from these sensors is then sent to the Arduino, which has an in-built signal converter. Arduino then sends data over to the Wi-Fi module - ESP8266.

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Smart Home Automation & Security System Using Arduino, PIR ...

Password Based Security System Using Arduino & Keypad. In this project, we will learn how to make the Password Based Security System Using Arduino & Keypad. As thefts are increasing day by day security is becoming a major concern nowadays. So a digital code lock can secure your home or locker easily.

Password Based Security System Using Arduino & Keypad

The block and flow diagram of the aduino home security system is given below. Pir motion detector and magnetic door switch sends their respective status to arduino. Arduino then decides what to do next with the inputs from pir and door sensor. If arduino finds both the sensors transmitted the positive status.

Arduino home security system using Sim900 Gsm module, Pir ...

Coding The Alarm System. Now that we have all the pieces of this puzzle, let's combine them together. Go ahead and make a new sketch, called Alarm. Start by combining all the variables and pin definitions we've in the test examples until now. `#include <NewPing.h> // Select which PWM-capable pins are to be used. #define RED_PIN 10`

How To Make a Simple Arduino Alarm System | MakeUseOf

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GSM Alarm System Using Arduino and a PIR Sensor

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In this project, we will make a DIY Arduino Home Security System using an Arduino Mega and ROHM's Sensor Evaluation Kit. The system uses a passive infrared sensor (PIR) sensor to detect any suspicious movement and ROHM's Temperature Sensor (B-D1020HFV) and Barometric Pressure Sensor (BM1383GLV) to detect heat.

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