CODE FOR ACTIVATING RELAY USING

GSM 900A AND AURDINO UNO

#include <GSM.h>

char inchar; // variable to store the incoming character

int Relay = 8;

void setup() {

pinMode(Relay, OUTPUT);

digitalWrite(Relay, HIGH);

Serial.begin(9600);

delay(2000);

Serial.println("AT + CMGF = 1"); // set mode to text

delay(100);

Serial.println("AT + CNMI = 2, 2, 0, 0, 0");

// just to get a notification when SMS arrives &direct out SMS upon receipt to the GSM serial out

delay(100);

}

void loop() {

//If a character comes in from the GSM…

if (Serial.available() > 0) {

inchar = Serial.read();

if (inchar == '$') {

delay(10);

inchar = Serial.read();

if (inchar == 'a') {

delay(10);

inchar = Serial.read();

if (inchar == '0') {

digitalWrite(Relay, LOW);

Serial.println("Relay OFF");

}

else if (inchar == '1') {

Serial.println("Relay ON");

digitalWrite(Relay, HIGH);

}

delay(100);

Serial.println("AT + CMGD = 1, 4");

// delete all SMS

delay(2000);

}

}

}

}