

INTRODUCTION

- **Purpose (or Rationale) behind the development or construction of the exhibit.**

The purpose of the making of this Model is to improve the Security with Brand New Features. From this Model security can be given to anything whether it is a Diamond or any valuable or priceless things. This Idea can be used to provide a full home security. And it can send the **information** of breaking of its security to **Crores of People** in a couple of seconds Using **Message, Facebook, Whatsapp** and **Twitter** by Uploading **Live Images** and **Alert Messages** from the Security System. It is a security with an **affordable price**.

ABOUT SECURITY

It is an unbreakable 360 degree security which cannot be broken through

(i) Physical process (ii) Chemical process (iii) Mechanical process (iv) electrical process (v) logic (vi) mathematical calculation (vii) studies on it and also by understanding it's all concepts. It is **CHALLENGED** that it's security can't be broken through any of this process or beyond this.

WHY THIS SECURITY SYSTEM IS BEST TO USE?

- NEW IDEA (ASSUSITY OF ORIGINALITY)
- HIGH LEVEL SECURITY (UNBREAKABLE)
- COST EFFICIENT
- EASY TO USE
- BETTER FINISHED/LOOK
- LOWER CONSUMPTION OF ENERGY (DC OVER AC)
- WITH A LOT OF FEATURES
- portable
- NOT AVAILABLE ON THE WHOLE INTERNET
- PORTABLE

Features of this model

- 3 buzzers of 4625 kHz
- 30 laser lines (with high security)
- Door locker (wireless)
- Message sender (no limit)
- Facebook status uploader
- Twitter status uploader (connecting to the whole world)
- Photo taker and saver
- Live photo sender on whatsapp
- Live photo uploader on facebook

The scientific principle involved

The Main Working of this Model is based on photoconductivity.

The Security is given using photons.

And most of Features of this Model also include the scientific principle of photoconductivity.

DESCRIPTION

- **MATERIALS USED FOR THE CONSTRUCTION**
 - LASERS
 - Light Dependent Resistors (LDR)
 - 2N222 Transistors
 - 10k resistors
 - 100 ohm resistors
 - Leds
 - Acrylic Sheet
 - Screws and bolts
 - Wires
 - Plastic box

- Switches
- DC Motors
- Rectifiers (12V and 5V)
- Batteries

(Everything is available in near markets)

Construction and working of the exhibit/model

SECURITY BOX

A box of 1x1 feet is made with acrylic sheets. Metal suttles have been fixed at the coners of the box for the support. Screws are used to fix the suttel. Using Aluminum Channels, Lasers have been fixed to the consecutive sides of box at the interior part. Mirrors have been fixed at the corners to change the direction of laser beams. And the Laser beams are made to focus on the LDRs, which were fixed on the other side with the Aluminum Channels. All the Laser's terminals are connected in parallel of the same potential difference across every Laser. Then every LDR's terminals are connected with different wires and all the the wire were passed through the hole from the acrylic box. A stand is made from a circular acrylic sheet and made that stand with spokes. The 2 positive and 1 common negative OUTPUT are connected to the spokes and from the upper end of spokes RED and GREEN leds are fixed.

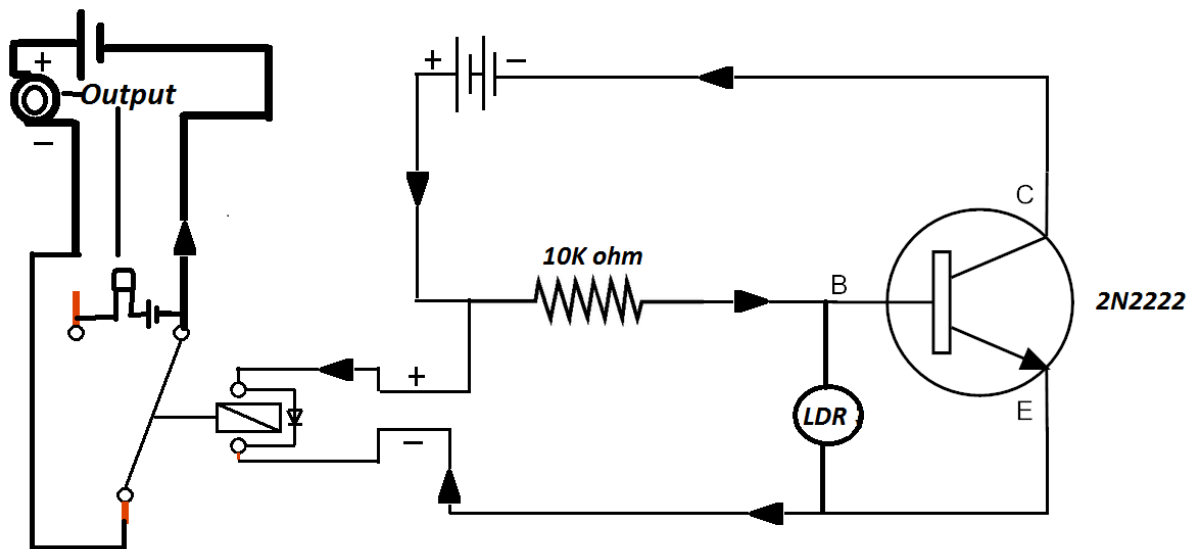
CONNECTION BOX

All the LDR wires are connected to NPN transistors and then connected to Rectifier. The wires of Lasers are connected to Rectifier. By the use of Two consecutive NPN transistors in a different manner. The fluctuating OUTPUT is changed in a standard OUTPUT which is connected to a Relay. And by the relay the Red and Green light glows along with the buzzers. 2 More Relays are used for powering the features. The Message Sender is a mechanical process. The door locker is made by using silicon transmission circuits.

WORKING

When someone cuts the path of photons coming from Lasers the LDRs doesn't get the concentration of photons and enables the output. The buzzers starts buzzing. The Output then further used for the Features of this model. The reason of making this model as Unbreakable 360 security is the Right placement of lasers and ldrs. As everything is balanced here so there would be output leaking if any of the wire gets cut.

Circuit Diagram



The security is also given to the connection box if someone tries to open the box then there would the buzzer buzzing along with all its features enabled. Door Locker Works with the help of transmitter and receiver. Message sender is a mechanical process. Camera of a phone is used to click photo which works with the help of programmer (the programming is done by me only and I have tried to joint up a phone with the programmer and tries to make a instructor of the phone to click a photo and send to a whatsapp group containing more than 200 peoples and then upload the photo on to the Public wall of Facebook.

References

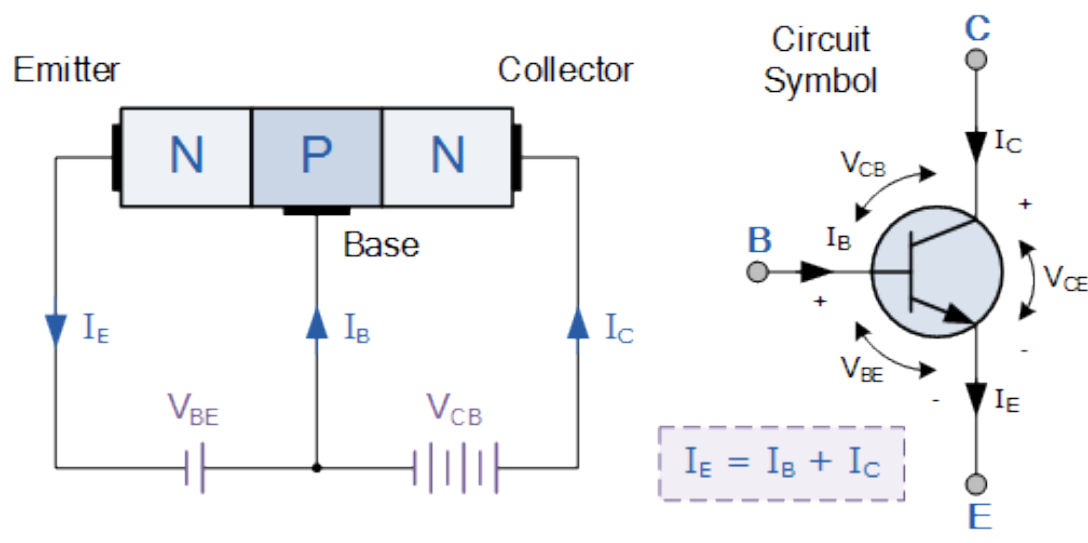
I don't use any references; I just used my own creativity.

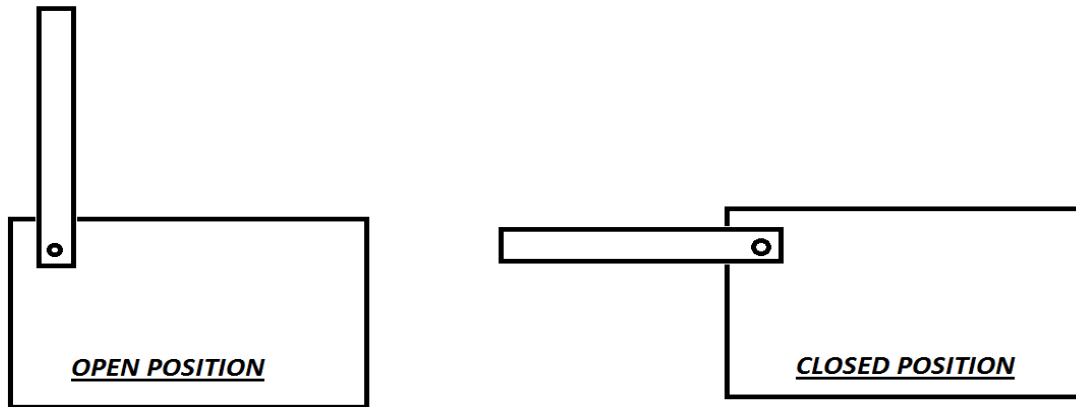
The Whole Idea is new and I claim the Originality of My Model.

My whole Model along with the features are not available on the Whole Internet. I give the assurity.

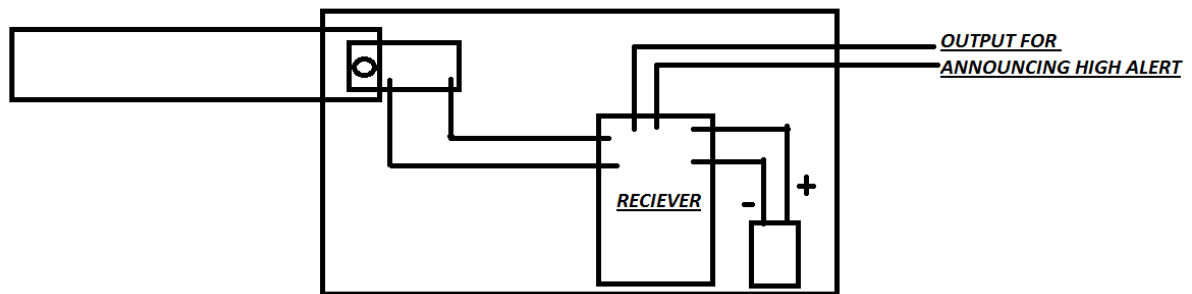
Illustration

Circuit Diagram





DOOR LOCKER



UNDER DOOR LOCKER

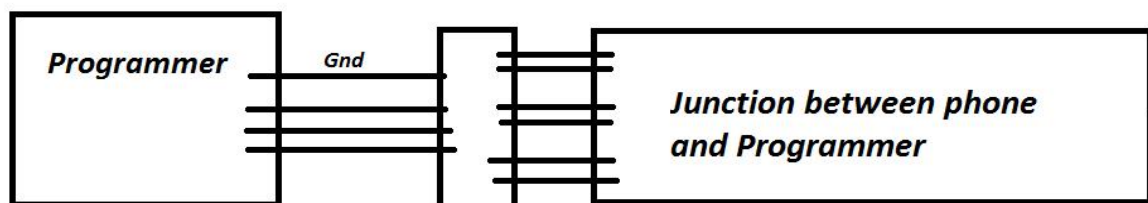
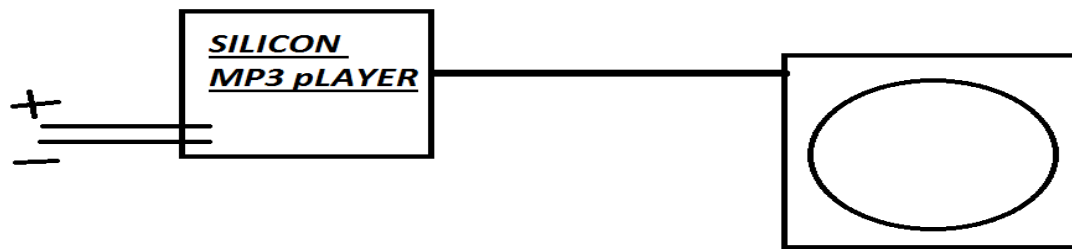
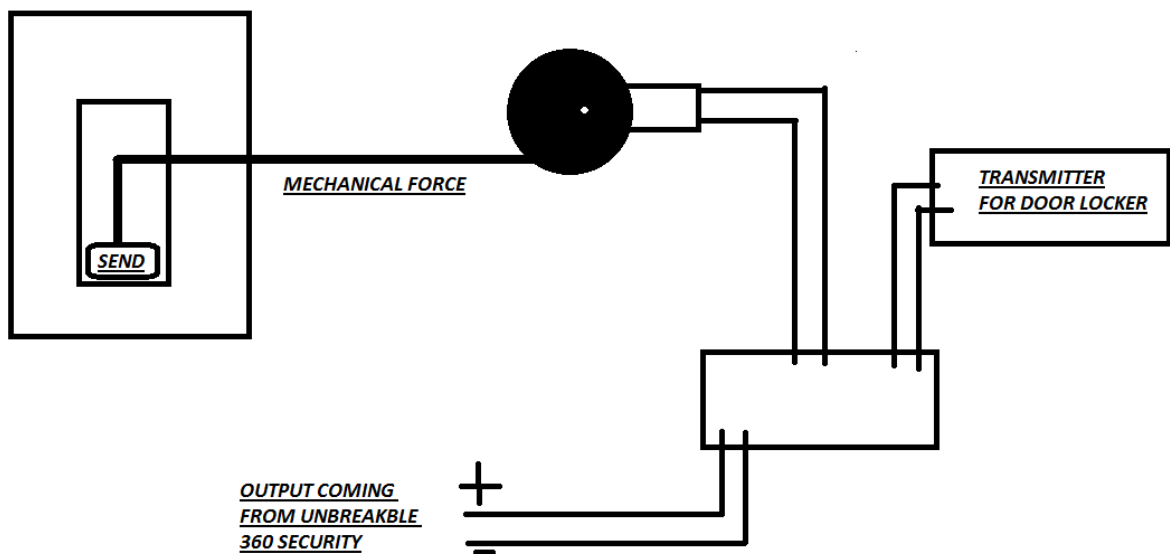


PHOTO TAKER , WHATSAPP PHOTO SENDER AND FACEBOOK PHOTO UPLOADER



HIGH ALERT



MESSAGE SENDER

IF SOMEONE TRIES TO GET ANYTHING FROM THE UNBREAKABLE 360 SECURITY THEN :-

- 3 Buzzer will buzz
- Leds of the connection box changes from green to red

- Leds of the circular stand inside the security box changes from green to red
- Message is sended to all the contacts whom we wanted to send (NO LIMIT, it can send message to 1000 of peoples at a time)... (NO DISTANCE LIMIT CAN SEND MESSAGE TO ANYONE IN THE WHOLE WORLD) it takes 1 second for the whole process.
- Door will be Locked
- CAMERA WILL TAKE A PHOTO AND SEND IT TO A NUMBER (MORE THAN 200) OF PEOPLE THROUGH **WHATSAPP** (a multiple camera can be fixed, NO LIMIT)
- CAMERA WILL TAKE A PHOTO AND UPLOAD IT ON **FACEBOOK**
- CAMERA WILL TAKE PHOTO AND SAVE IT
- SPEAKERS OUTSIDE THE ROOM WILL START ANNOUNCING HIGH ALERT

