



Touch less o Sensor- DIY

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Highlights

Branding Free Pr

- No Brand Name/ Projects
- 100% Working p
- Tested Project &

Documentation

- Free Project Syn
- Printed Short Re
- Printable Soft co

Support

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Categories: [Hobby DIY kits](#), [IC & TRANSISTOR](#)

Tags: [Arduino Project](#), [Contactless Doorbell](#), [DIY electronics](#), [Home Automation](#), [Home Security](#), [Infrared Motion Detection](#), [Internet of Things \(IoT\)](#), [Sensor Technology](#), [Smart Home Project](#), [Touch-Free Doorbell](#), [Touchless Doorbell](#), [Wireless Doorbell](#)

Product Description

Kit Includes :

- Electronic Parts (listed in product image)
- Circuit Diagram
- Printed Circuit Board (PCB)
- Printed Short Report

Prerequisite Requirements

Hardware :

1. [Soldering Iron \(Buy Now \)](#)
2. [Soldering Paste \(Buy Now \)](#)
3. [Soldering Wire \(Buy Now \)](#)
4. [Soldering Stand \(Buy Now\)](#)
5. [Wire Cutter \(Buy Now\)](#)
6. [Screw Driver \(Buy Now\)](#)

Skills:

1. Soldering ([Click Here for Free Tutorial](#))
2. Circuit Testing

Introduction:

We all have a doorbell at our homes. When a guest comes to our house, they search for the doorbell switch and then ring it to let us know their presence. If who came to our house and unable to find doorbell, else person is so short then they cannot find the doorbell in this case we need a solution that can find the presence of a person and rings the doorbell automatically. Here we are making an object sensing based “**Touch Less Doorbell**” using infrared transceiver pair and some locally available components. It can detect the presence of a person and then if the person is detected, the doorbell is automatically turned ON when the person is in-front of the door. The touchless doorbell project is designed to provide a contactless alternative for ringing doorbells, eliminating the need for physical buttons or switches. This project employs the LM358 IC, an IR receiver and transmitter pair, and a 10k preset. By utilizing infrared technology, the system detects hand gestures and triggers the doorbell, enhancing convenience and hygiene.

Aim:

The aim of this project is to develop a touchless doorbell system that enables users to ring the doorbell without physical contact. By using hand gestures to activate the doorbell, this project promotes cleanliness, especially in public spaces where multiple people may use the doorbell.

Principle:

The touchless doorbell project operates on the principle of infrared sensing. Infrared light is emitted by the IR transmitter and detected by the IR receiver. When an object, such as a hand, interrupts the infrared beam between the transmitter and receiver, the system recognizes the gesture and activates the doorbell.

[Download Free Project Synopsis](#)

[Working Video](#)

Disclaimer:

This is a handmade complete working Models, Projects & Activity kits supported by rough study material to make a suitable projects report by the student. It is using Cardboard/Wooden base, Paper, Foam based board, stationary items, Electronic-Electrical Components, Mechanical & Scientific goods as per the requirement of a particular model. Colour of product and decoration item may be varying according to availability of material but we make ensure that we will deliver the product with same working, structure and dimensions as describe in product description section.
