Buzzer

Intro

→ *So, in this video, we are going to see Buzzer following the four-step process which I have already created a video on, so let's start.*

What is the Buzzer?

→ *The Buzzer is a component that is used to produce Sound, it is an audio signaling device.*

→ *There are three types of Buzzers:*

- *Mechanical Buzzer*
- *Electromechanical Buzzer*
- *Piezoelectric*

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Mechanical Buzzer

→ *A Joy Buzzer is an example of a purely Mechanical buzzer*

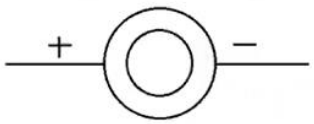
Electromechanical Buzzer or piezo Electric Buzzer

→ *Early devices were based on an electromechanical system identical to an Electrical Bell without the metal gong.*

Circuit Symbol and Circuit Diagram

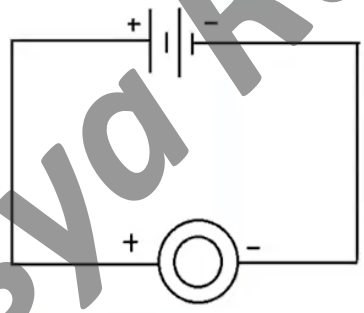
→ *The circuit symbol of the buzzer is very simple it's like two circles one inside another and labeled positive and negative on the sides.*

Symbol -



→ *The circuit symbol is to connect the positive terminal of the battery to the positive wire and the same with the negatives.*

Circuit diagram -



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Real-Time Application

- *Alarm clock*
- *Speaker*
- *Etc.*

Online Circuit Simulation

→ *Now let's go to tinker Cad and then create a new Circuit.*

→ *Then I will drag a buzzer, a Bread Board, and a battery. Then I will connect the terminals of the battery to the power rails of the Bread Board.*

→ *Then I will connect the filaments of the buzzer to any of the strips of the Bread Board and then connect the positive strip to the positive power rail and so for the negative strip. Once you're done click on start Simulation and the buzzer will start producing sound.*

Practical Experimentation

→ *Now I am going to practically experiment.*

→ *Components required are:*

- *A battery*
- *A Bread Board*
- *A Buzzer (obviously)*
- *Some Jumper wires*

→ *First, we will connect the power rails to the terminals of the battery then we will connect the buzzer with the Bread Board by connecting its filaments to the normal strips then will connect those positive and negative strips to their respective power rails, and there you go the Buzzer will start beeping.*

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Representation of the Circuit Diagram

→ ***First, we will draw the battery then the Buzzer the Circuit Symbol of the buzzer is like two circles one inside another and the sides are labeled as positive and negative.***

→ ***Then we will simply connect the positive and negative lines to each other, and there you go our Circuit Diagram for the Buzzer is ready.***

Outro

→ ***That's all for this video and I will see you in this next one until then BYE BYE!!***

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