

A

Report on

SHORT CIRCUIT INDICATOR

A report submitted for the partial fulfillment of the requirements for Mini Project of
BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINI PROJECT

(SHORT CIRCUIT INDICATOR)

BY

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SHORT CIRCUIT INDICATOR

ABSTRACT

A short circuit is a fault. It means there is a very low resistance conducting path from one side of a component to other. A short circuit makes the circuit behaves as if the component wasn't there. The component stops working and the current everywhere in that circuit will increase, which can damage other components or, in extreme cases, cause a fire. So how can we explain shorts? A very misleading way of explaining them is to say that current takes the easiest path. A high current flowing through a battery can cause a rapid increase of temperature, potentially resulting in an explosion with the release of hydrogen gas and electrolyte (an acid or a base), which can burn tissue and cause blindness or even death. Overloaded wires will also overheat causing damage to the wires insulation, or starting a fire.. Whenever you are working with electricity, the proper use of safety precautions is of the utmost importance to remember, in the front of all electronic technical manuals, you will always a find a section on safety precautions. Also posted on each piece of equipment should be sign list in the specific functions.