

A

Report on

PASSWORD BASED CIRCUIT BREAKER

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

(PASSWORD BASED CIRCUIT BREAKER)

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PASSWORD BASED CIRCUIT BREAKER

ABSTRACT

The project work Password based circuit breaker is a simple project that helps in controlling the electrical line with help of a password. Now days electrical accidents to the line men are increasing while repairing the electrical lines. This is due to the lack of proper communication between the electrical sub-station and the maintenance staff. This project gives a solution to this problem to ensure the safety of the line man. In this proposed project work, the control (ON/OFF) of the electrical line lies with the line man. The concept is designed such that maintenance staff or the line man has to enter the password to switch ON/OFF the electrical line. If there is any fault in the electrical line or any repair is to be done to the line, then the supply to the electrical line is cut off by entering the password and can comfortably repair the line. After repairing the line, by entering the password again, supply to the electrical line will be restored. Separate passwords can be assigned to different electrical phase lines. The system is designed with three outputs with three different passwords. At each output a relay is connected and this relay contact is used to make or break supply to the electrical line. Presently the demo module is constructed with three lamp loads; all of them can be controlled independently.