

Password Based Lineman Security System

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Abstract: Circuit breakers are an important safety feature in electrical systems, used to protect against overloads and short circuits that can cause damage or even fires. However, traditional circuit breakers have limitations in terms of remote control and monitoring, making them difficult to integrate into modern smart homes and buildings. This paper proposes a novel approach to circuit breaker design that leverages multi microcontroller networking systems and password-based authentication to enable remote control and monitoring of circuit breakers. The proposed circuit breaker system consists of multiple microcontrollers that communicate with each other over a network. The slave devices detect whether the fault has happened in any line or not and inform the central control unit. The microcontrollers are connected to a central control unit, which manages the phase lines.

Keywords: Password

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