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TITLE OF INVENTION	AI AND IOT BASED MINIATURE CIRCUIT BREAKER		
FIELD OF INVENTION	ELECTRICAL		
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(57) Abstract:

An AI and IOT based miniature circuit breaker comprising a surge protector (106); a current sensor (108); a voltage sensor (110); a reconfigurable microcontroller (112); a wi-fi module (114); an electric relay (116). The miniature circuit breaker (100) for an electrical appliance based on AI & IoT technology, controlled by a mobile application and voice control comprises: a set of power pins to be inserted into a wall socket. The set of power pins electrically connects to a power source, to provide power to an electrical appliance. The miniature circuit breaker will help in detecting whether the appliance is operating efficiently. Users can turn the appliance on or off remotely depending on/demand. The invention is to minimize the power consumption cost and save energy.

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