

Survey on Password Based Circuit Breaker P Mahalakshmi*

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Perspective

Introduction

As of late when shortcoming happens in transmission line then the lineman goes to the regarded transmission line to fixing the transmission line at the hour of fixing assuming suddenly some other switch on the transmission line it prompts lethal mishaps to the line man. In this undertaking we set secret phrase to the every transmission line. When a shortcoming happens in the transmission line then lineman enter the secret phrase of the regard issue transmission line.

Resister

The resistor is a detached electrical part to make obstruction in the progression of electric flow. In practically all electrical organizations and electronic circuits they can be found. The obstruction is estimated in ohms. Ohms law: $V=IR$ Resistors are utilized for some purposes.

Capacitor

A capacitor is an aloof electronic part which stores energy as electric static release Further more it comprising of two equal plates isolated by a protecting medium called as dielectric. The capacitance is straight forwardly relative to surface space of plates and contrarily relative to Detachment between plates.

Diodes

A diode is a power semiconductor gadget with two terminals that lead current one way as it were so diodes are utilized to change ac over to dc and these are utilized as half wave or full wave rectifier. It is utilized for numerous applications like transformation of AC to DC and result of framework is known as scaffold rectifier. The span rectifier gives full wave correction.

Semiconductors

Semiconductor is a strong state gadget utilized for intensifying controlling and producing electrical sign. They are generally utilized in electronic gear like radios and correspondence satellites. Semiconductor is brief semi directing gadget which fills most roles of a thermionic valve yet with more noteworthy productivity and it can go about as switch or intensifier.

Voltage Controller IC 7812

7812 is a voltage controller coordinated circuit. It is an individual

from 78xx series of fixed direct voltage controller ICs. The voltage source in a circuit might have variances and would not give the decent voltage yield. The voltage controller IC keeps up with the result voltage at steady worth. The xx in 78xx shows the proper result voltage it is intended to provide. 7812 gives +12V controlled power supply.

Rectifier

Rectifier is a power electronic part that converts exchanging current (AC) to coordinate current (DC). A diode like one way current that streams a single way, this interaction known as amendment.

Microcontroller

Microcontroller is a reduced incorporated circuit intended to oversee a particular activity in an insert framework. A commonplace microcontroller incorporates processor memory and I/O peripherals on a solitary chip and miniature regulator processor fluctuate by application to application. In this venture 8-digit miniature regulator with 16 k bytes are utilized.

Transfer

A transfer is an electromagnetic switch. Its fundamental capacity is to permit a low power control voltage work a powerful switch. The control and the switch are electrically separated from one another and they have their own voltage and flow evaluations/ requirements.

Relays are first utilized as speakers and these are utilized to sent sign from one circuit and retransmitted to other circuit. These are widely utilized in phone trades and before that utilized in PCs as rationale tasks.

Hand-off driver

In a low power circuit, the result from a Chip is extremely low. It is adequate for a Driven to shine however to drive a high burden you will require a Transfer (Electromagnet Switch), and to give legitimate voltage or ebb and flow to a hand-off you will require a hand-off driver. Many times one semiconductor with an opposition is sufficient to make a Hand-off Driver.

Network keypad

A keypad is the most broadly utilized gadgets of computerized circuits, microcontrollers or phone circuits. Numerous applications require enormous number of keys associated with a registering

framework. Given that it to the most part holds numbers then it can moreover be known as a numeric keypad

Principle

In this circuit we are utilizing 3x4relay keypad for working the framework. The primary part is 8051 Microcontrollers. We can give distinctive secret key to various transmission lines in the circuit. The secret word is entered with keypad and it will check the predefined passwords of all transmission lines. Assuming that entered secret word is coordinating with transmission lines then, at that point, turning on/off of the transmission line happens. We can notice activity by the heap yield.