

How to construct a Purple Box.

Written 03 Mar 1986 by The Flash

The Purple Box is very simple to construct. It takes only six components and a PC board if you want. The Purple Box is a telephone hold button. It will allow you to switch phones very easily.

A red LED indicates when a party is on hold and is automatically extinguished when either party releases the line.

To install your Purple Box, remove the telephone case and locate the red and green wires. From the green wire make A CONNECTION TO L2 and from the red wire a connection to L1.

To test the circuit, call a friend and then while pressing the push button, hang-up the phone. As soon as the phone is on the hook, you may let go of the push button.

Parts:

D1 = Light Emitting Diode (LED)
D2 = 1N4003 Diode
R1 = 820 ohm 1/2 Watt
R2 = 1K ohm 1/2 Watt
S1 = N.O. Push Button S1
SCR1 = C106B1

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  |
  +--o  o---+----R1----+
  |g|  |
  +-----LED--R2---+-----a--+-c--D2---+
  |         |
  |L1  SCR----/  |L2
  |         |
  To Red  To Green

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The SCR is a three prong PNP. The a,g, and c tell you what pins to use. The "g" pin is the one closest to the notch.

Have Phun,
The Flash

Purple Box Created by The Flash '86. Typed by The Flash.

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