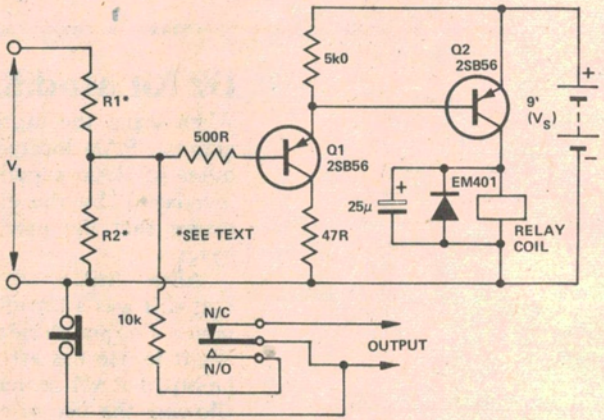

Relay PSU Protector

This circuit may prove very useful when trying out a project for the first time. Any power supply shorts will pull the supply voltage (Vi) down, turning the transistors on and tripping the relay. This then causes the 10 k resistor to latch the circuit in the 'tripped' mode. The relay is connected so that it disconnects the supply to the circuit being tested. The circuit can be reset by pressing the momentary-contact switch shown.

R1 is selected so that Vi/R1 is greater than Vs/R2. R2 must be greater than R1 and Vs/R2 must be large enough to turn the first transistor on.

The circuit (which was sent in by **Scott Field** of Taree) work with Vi ranging from 3 to 18 volts.