A time delay relay is a relay that stays on for a certain amount of time once activated. This time delay relay is made up of a simple adjustable timer circuit which controls the actual relay. The time is adjustable from 0 to about 20 seconds with the parts specified. The current capacity of the circuit is only limited by what kind of relay you decide to use.

**Schematic**

![Schematic Diagram]

**Parts:**

- **C1**: 10uf 16V Electrolytic Capacitor
- **C2**: 0.01uf Ceramic Disc Capacitor
- **R1**: 1 Meg Pot
- **R2**: 10 K 1/4 Watt Resistor
D1,D2 1N914 Diodes
U1 555 Timer IC
RELAY 9V Relay
S1 Normally Open Push Button Switch
MISC Board, Wire, Socket For U1

Notes:

1. R1 adjusts the on time.

2. You can use a different capacitor for C1 to change the maximum on time.

3. S1 is used to activate the timing cycle. S1 can be replaced by a NPN transistor so that the circuit may be triggered by a computer, other circuit, etc.