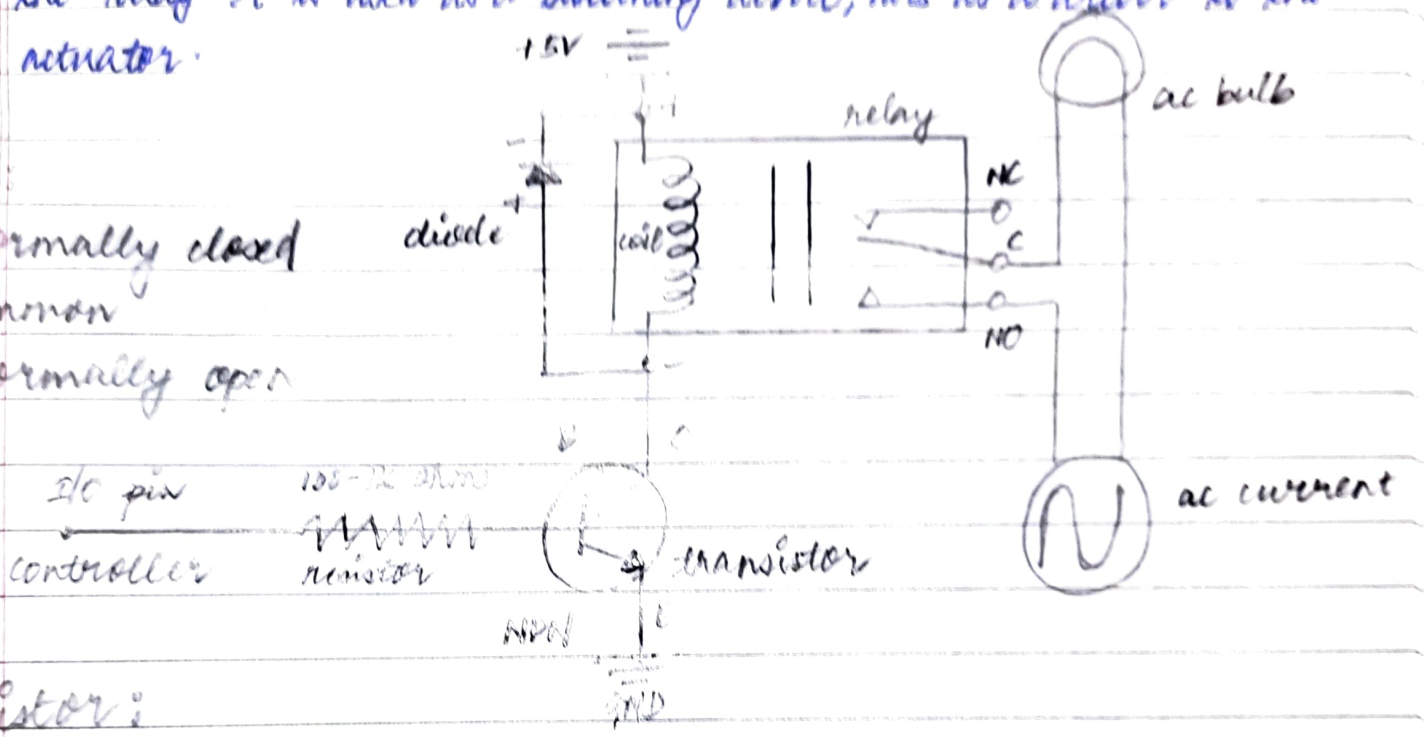
LECTURE 30 - RELAY INTERFACING

Relay is an electromechanical device, having an electromagnet inside the relay. It is used as a switching device, acts as a driver to the actuator.

relay:
NC = normally closed
C = common
NO = normally open



transistor:
B = base
C = collector
E = transmitter

Figure - circuit for controlling an AC or other high-current device from a microcontroller by using a relay

When the coil is energized, the pole will come in contact with normally open and the bulb will glow. Hence, the common acts as a switch. The coil is switch ON using a transistor.

The DC source is set as the same voltage of the relay, i.e. 5V. The diode is used to remove the back EMF.