SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Coimbatore-35

DEPARTMENT OF BIOMEDICAL ENGINEERING

High power devices

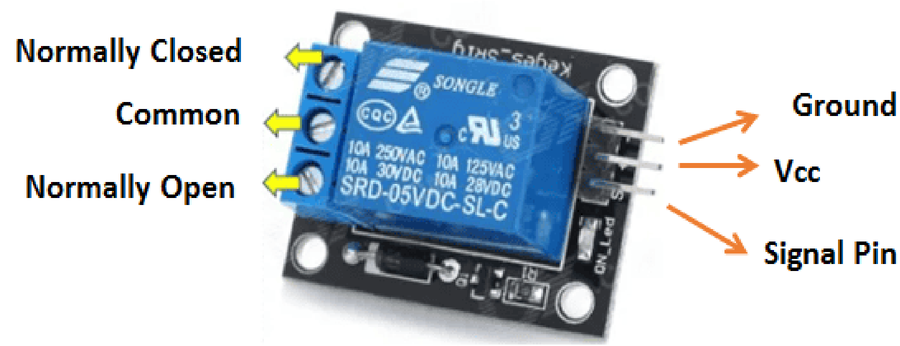
III Year/ VI Sem

Dr. K. Manoharan,
ASP / BME / SNSCT

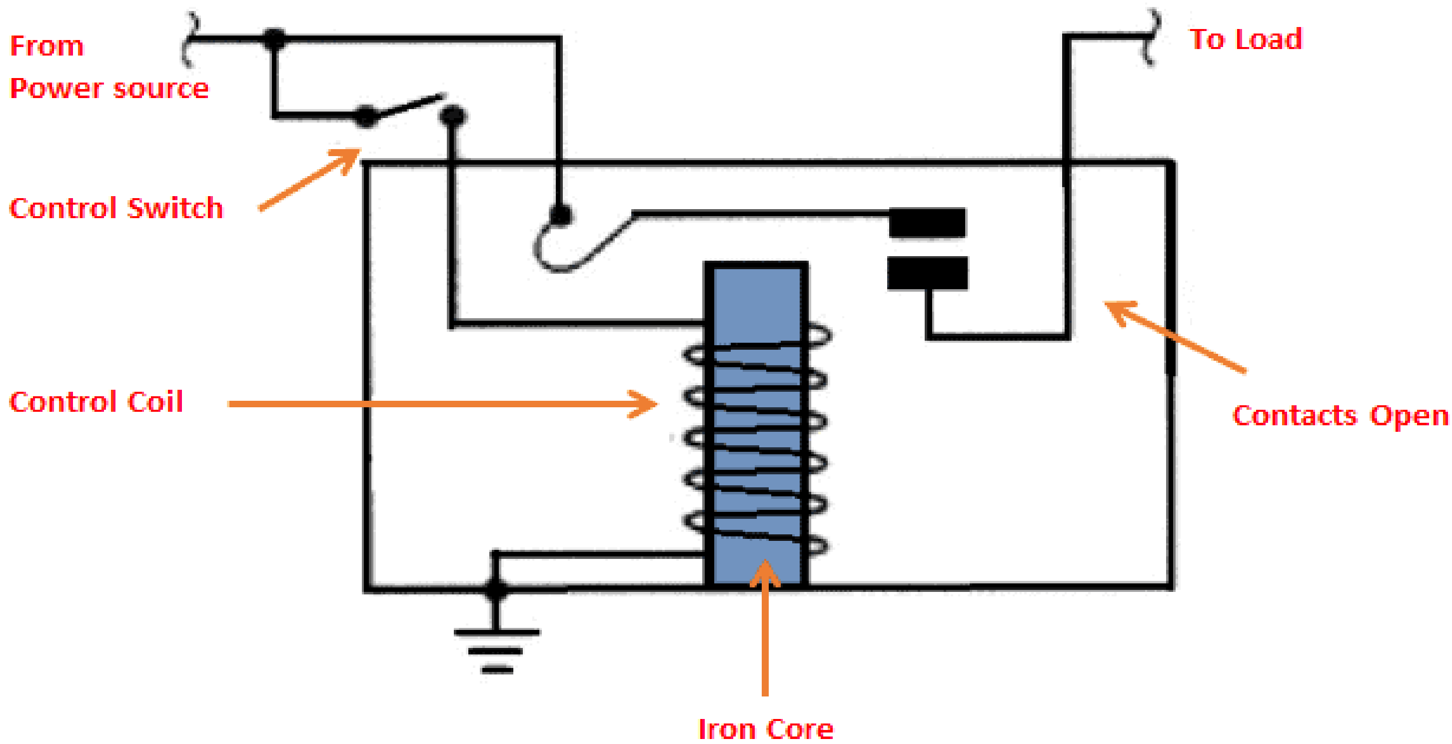
High power devices

Relay is an electromagnetic switch that opens and closes circuits electromechanically or electronically.

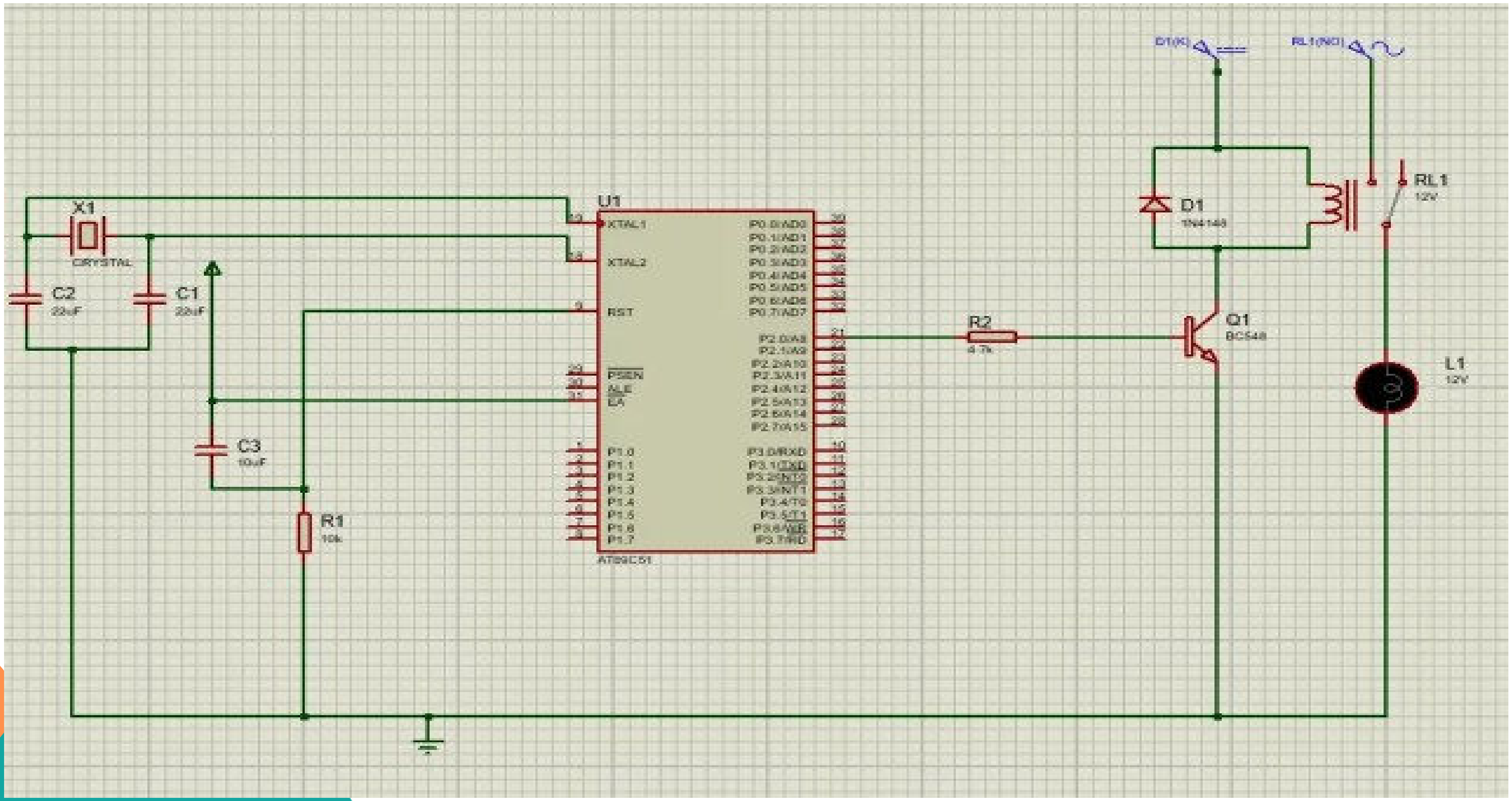
A relatively small electric current that can turn on or off a much larger electric current operates a relay.



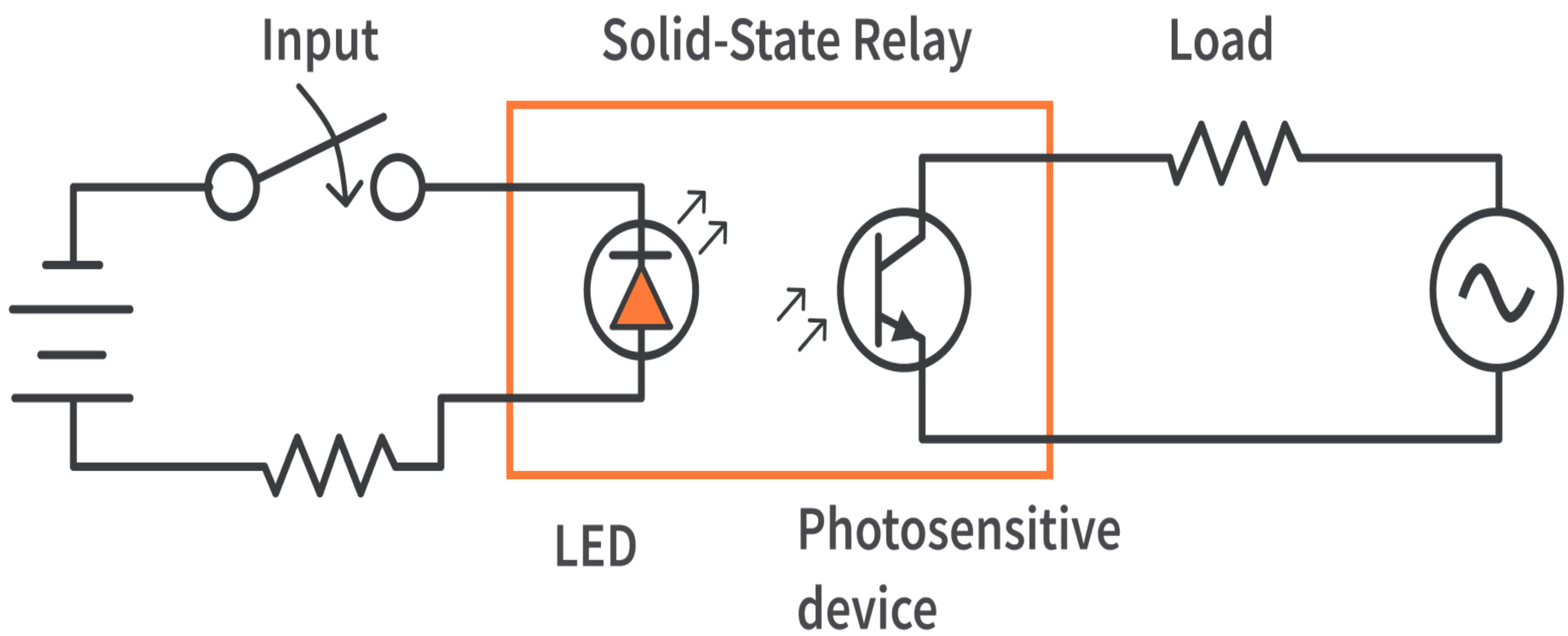
High power devices - Relay

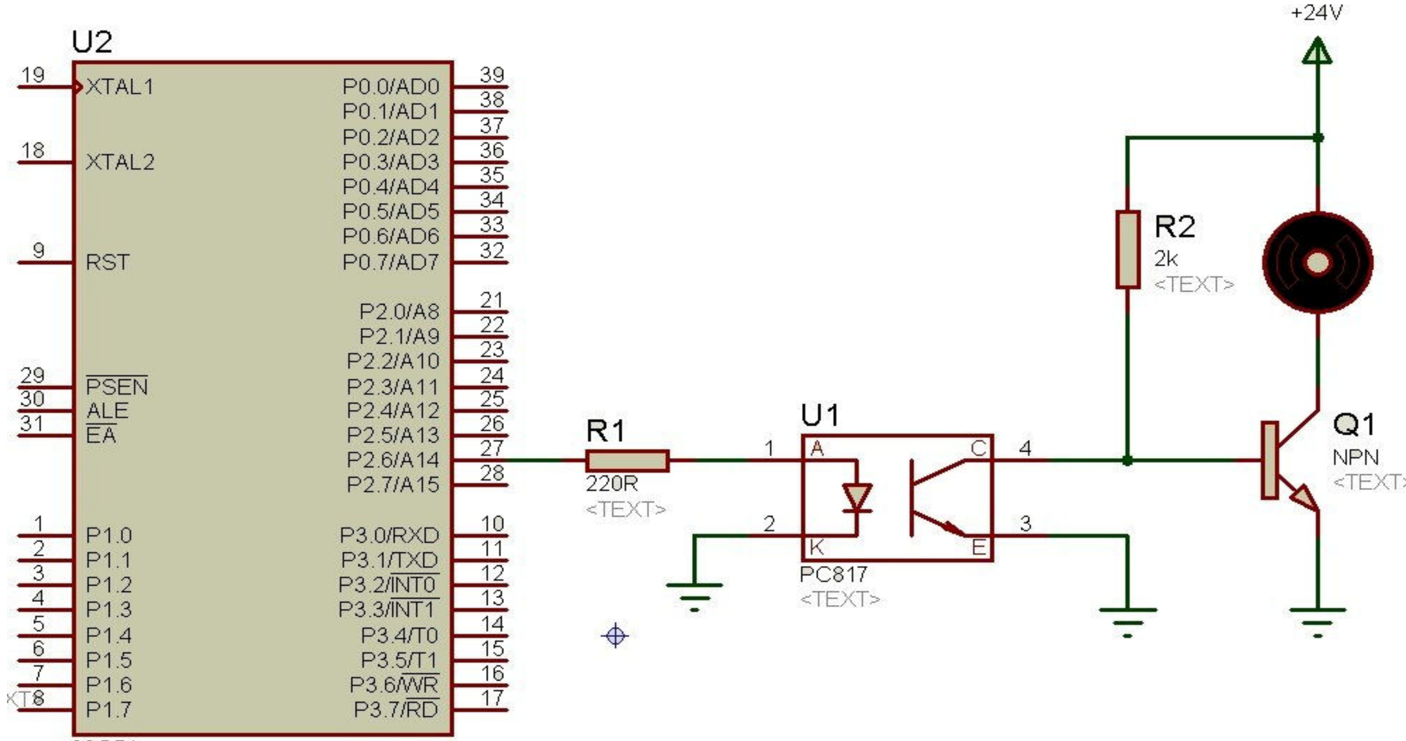


High power devices



Optocouplers




U2
XTAL1
XTAL2
RST
PSEN
ALE
EA
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
P0.0/AD0
P0.1/AD1
P0.2/AD2
P0.3/AD3
P0.4/AD4
P0.5/AD5
P0.6/AD6
P0.7/AD7
P2.0/A8
P2.1/A9
P2.2/A10
P2.3/A11
P2.4/A12
P2.5/A13
P2.6/A14
P2.7/A15
P3.0/RXD
P3.1/TXD
P3.2/INT0
P3.3/INT1
P3.4/T0
P3.5/T1
P3.6/WR
P3.7/RD
R1
220R
<TEXT>
U1
A
K
C
E
PC817
<TEXT>
R2
2k
<TEXT>
+24V
Q1
NPN
<TEXT>