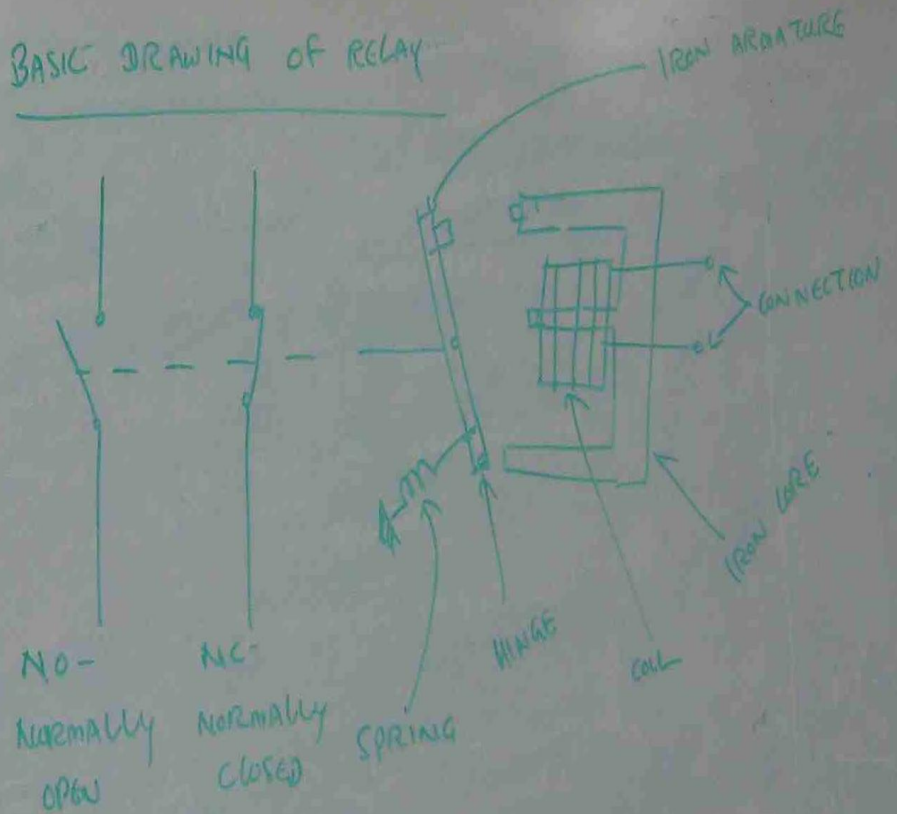


PRACTICAL APPLICATIONS OF ELECTRO MAGNETIC INDUCTION

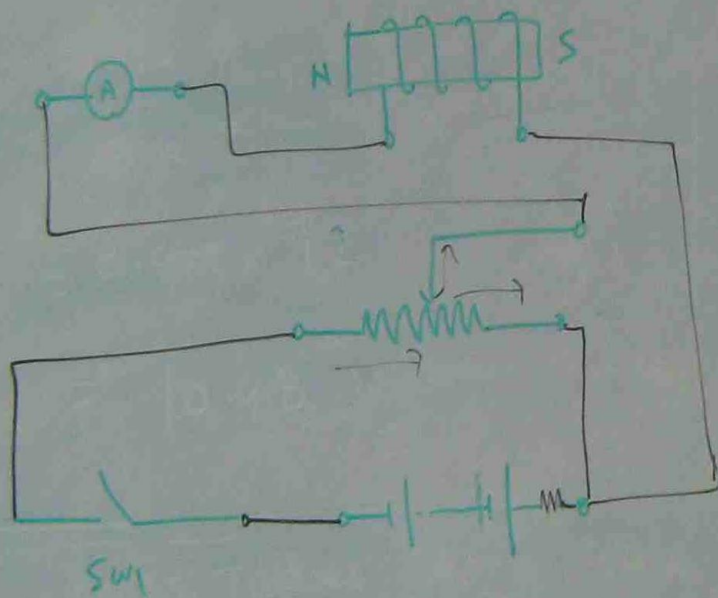
- GENERATORS
- MOVING COIL MICROPHONES
- LOUD SPEAKERS
- TAPE RECORDERS
- TRANSFORMERS
- IGNITION COILS
- CHOKES
- POWER SUPPLIES

BASIC DRAWING OF RELAY



CONNECTION OF MAGNETIC CIRCUIT

CONNECT THE GIVEN ELEMENTS



Q. IF A CONDUCTOR IS BEING ROTATED AT 1000 RPM IN MAGNETIC FIELD AND INDUCES 200V. AT 500 RPM THE INDUCED VOLTAGE WILL BE (a) 50V (b) 100V (c) 200V (d) 400V

$$N = 1000 \text{ RPM} \quad V = 200 \text{ V}$$

500 RPM — ?

$$V = \frac{200 \times 500}{1000} = 100 \text{ V}$$