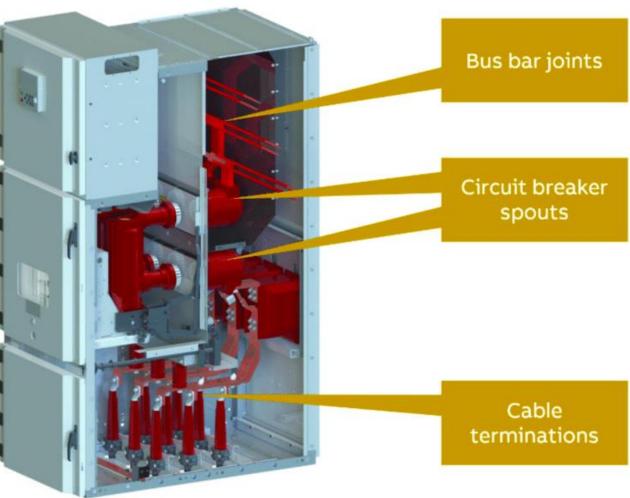
GANDHI SCHOOL OF ENGINEERING,BHABANDHA,BERHAMPUR

SUBJECT: SWITCH GEAR AND PROTECTIVE DEVICES SEMESTER: 6TH

SUBMITTED BY:-ER.GIRIDHAREE PRADHAN &ER.DEEPAK KUMAR MAHARANA

CHAPTER-1:INTRODUCTION TO SWITCHGEAR





CHAPTER-3: FUSES



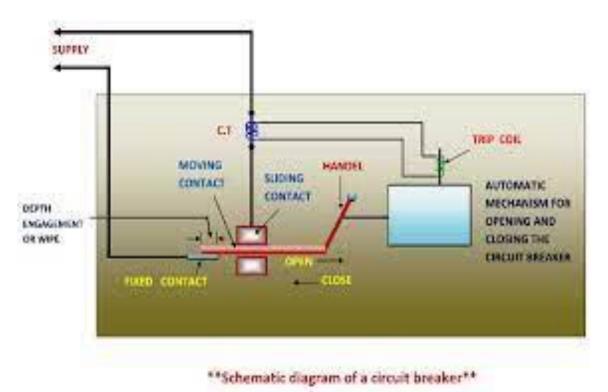
DIFFERENT TYPES OF FUSES



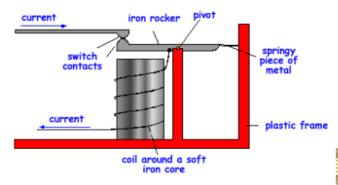


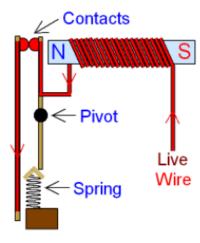


CHAPTER-4: CIRCUIT BREAKERS



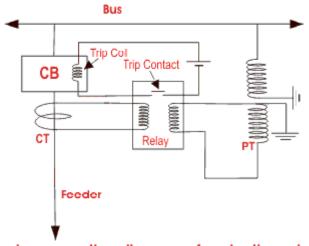
What is a Circuit Breaker?





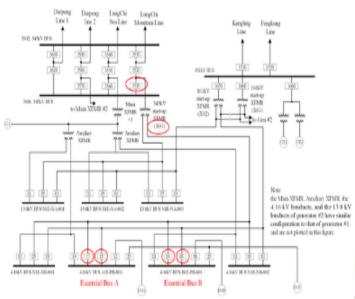


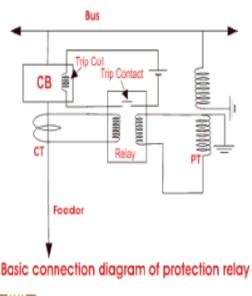
CHAPTER-5: PROTECTION OF ELECTRICAL POWER EQUIPMENT AND LINES



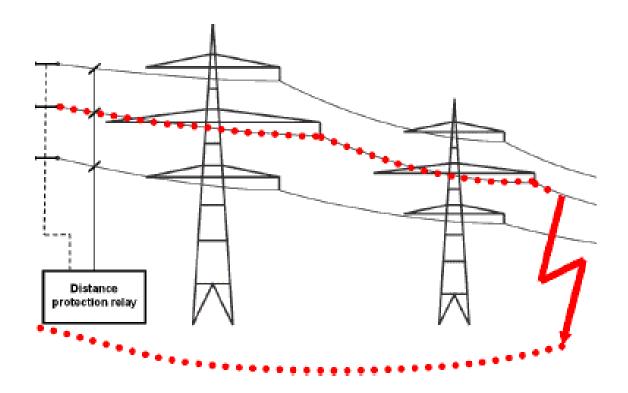
Basic connection diagram of protection relay

Power System Protection Systems





Electrical 4 U



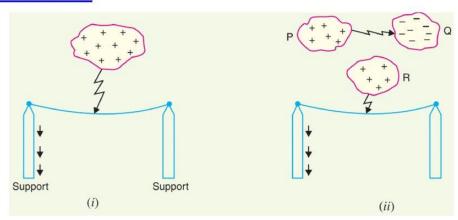
CHAPTER-5: PROTECTION AGAINST OVER VOLTAGE AND LIGHTING

Types of Lightning Strokes

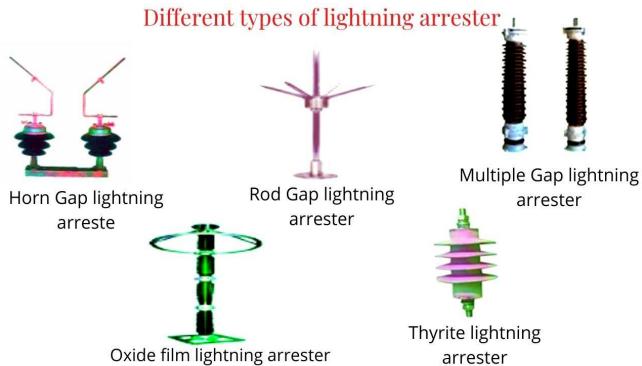
There are two main ways in which a lightning may strike the power system (e.g. overhead lines, towers, sub-stations etc.), namely;

- **→**Direct stroke
- **→**Indirect stroke

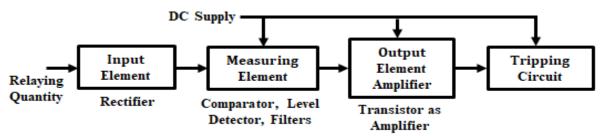
Direct stroke



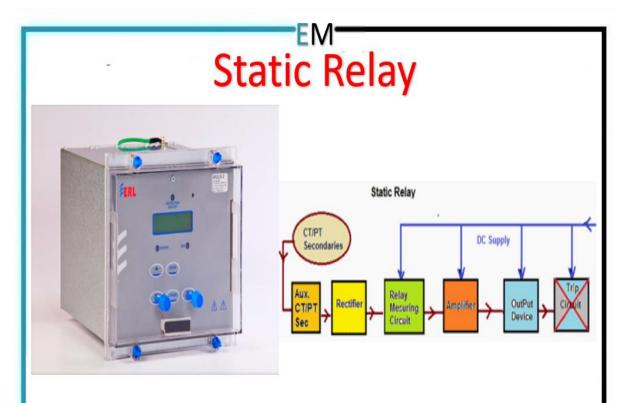




CHAPTER-5: STATIC RELAY



Block Diagram of Static Relay



The relay which does not contain any moving parts is known as the static relay. In such type of relays, the output is obtained by the static components like magnetic and electronic circuit etc. The relay which consists static and electromagnetic relay is also called static relay because the static units obtain the response and the electromagnetic relay is only used for switching operation.

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