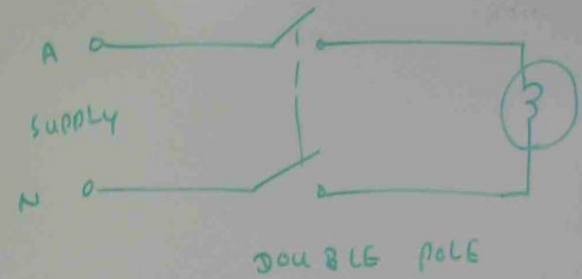
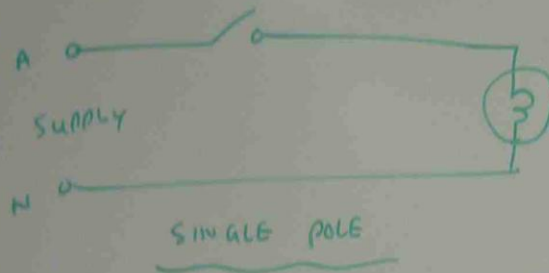
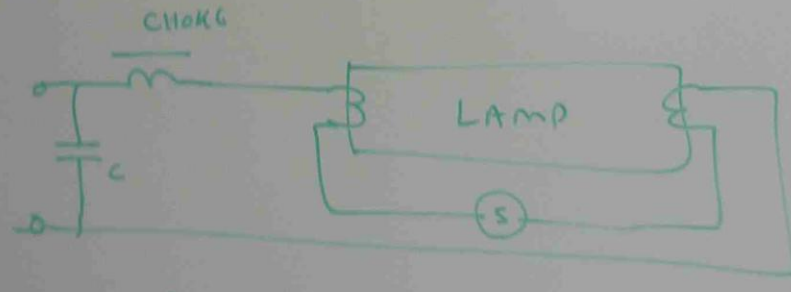


## CONTROL OF LIGHTING CIRCUITS

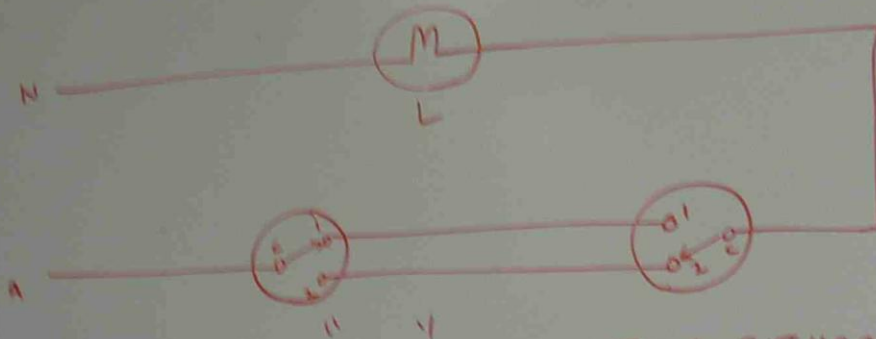


## FLUORESCENT LIGHT



C = CAPACITOR  
S = STARTER

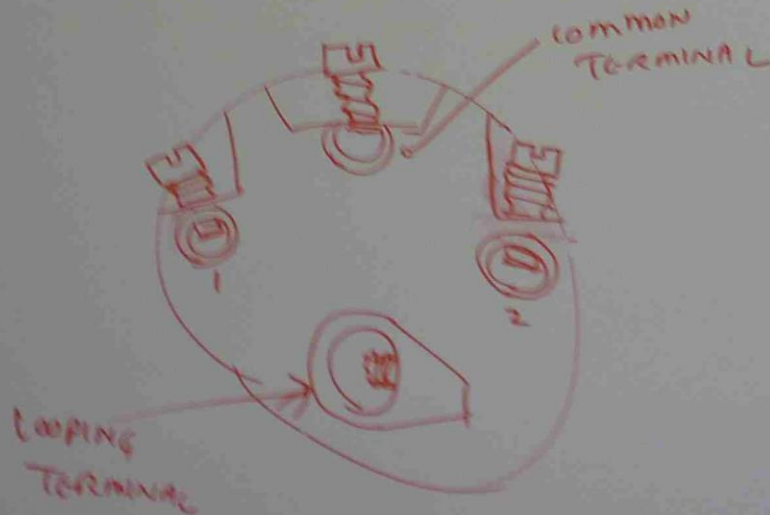
## TWO WAYS LIGHTING

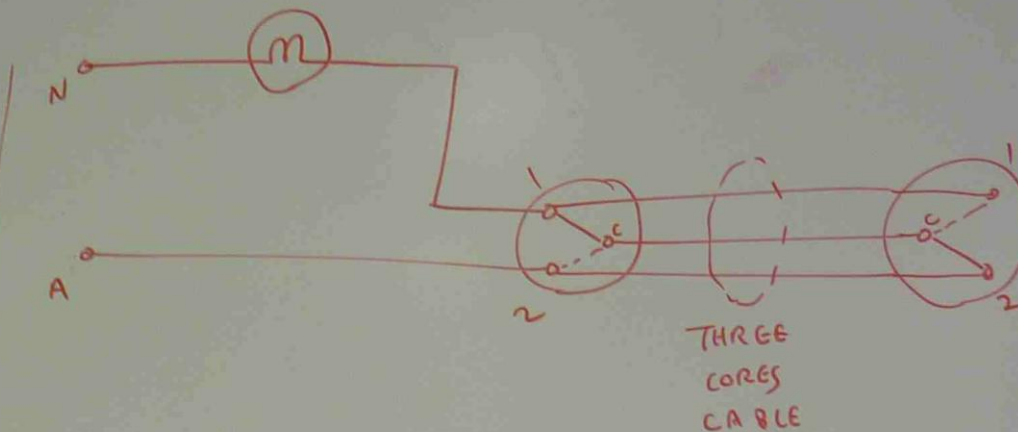


LOAD IS OFF OPERATING EITHER  
 $S_1$  (OR)  $S_2$  SWITCHES LOAD "ON"

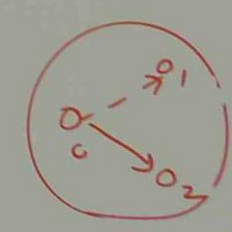


C IS JOINED  
 TO EITHER 1 OR 2





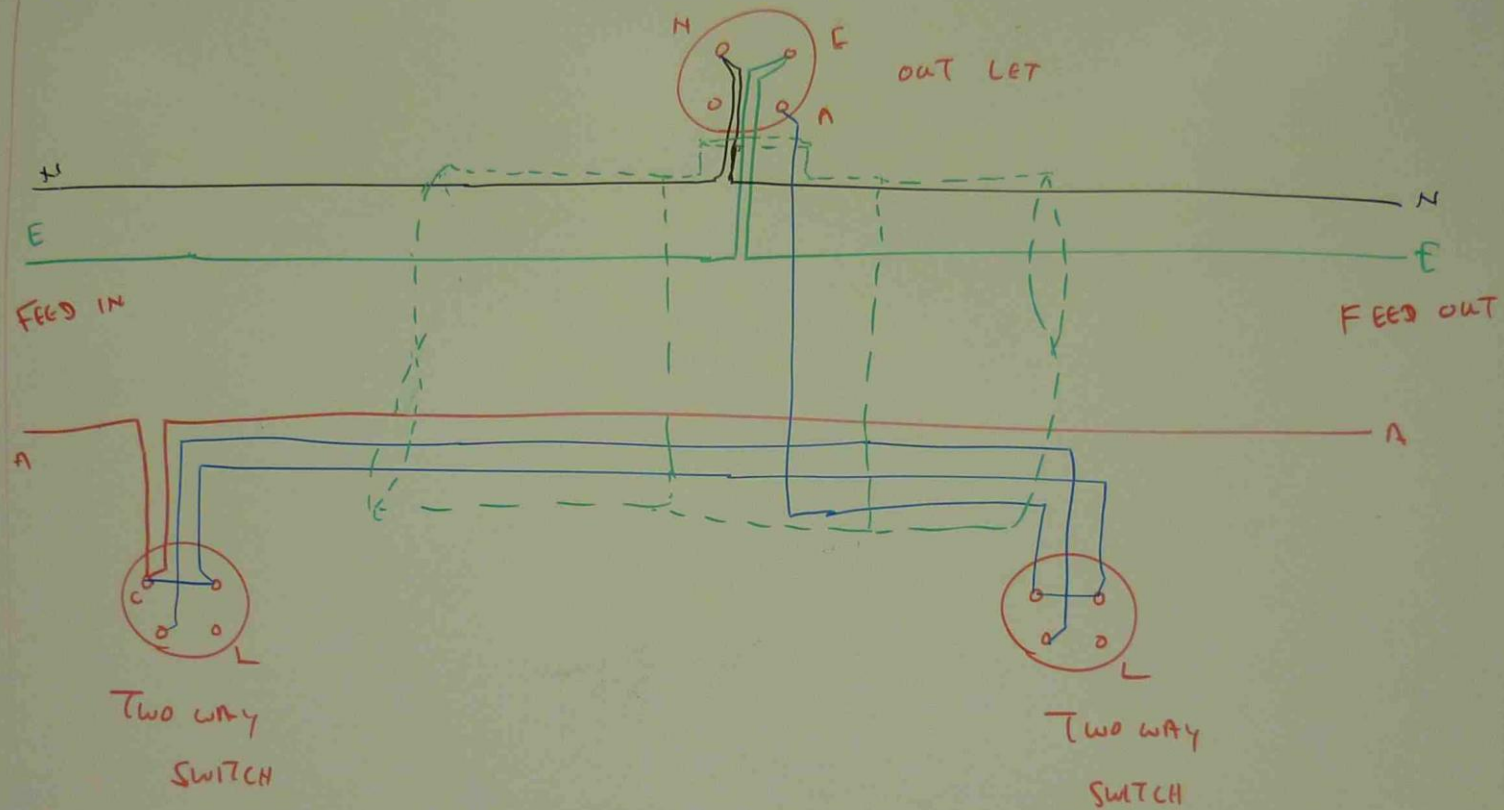
CHANGING FROM ONE WAY TO  
TWO WAYS CONTROL



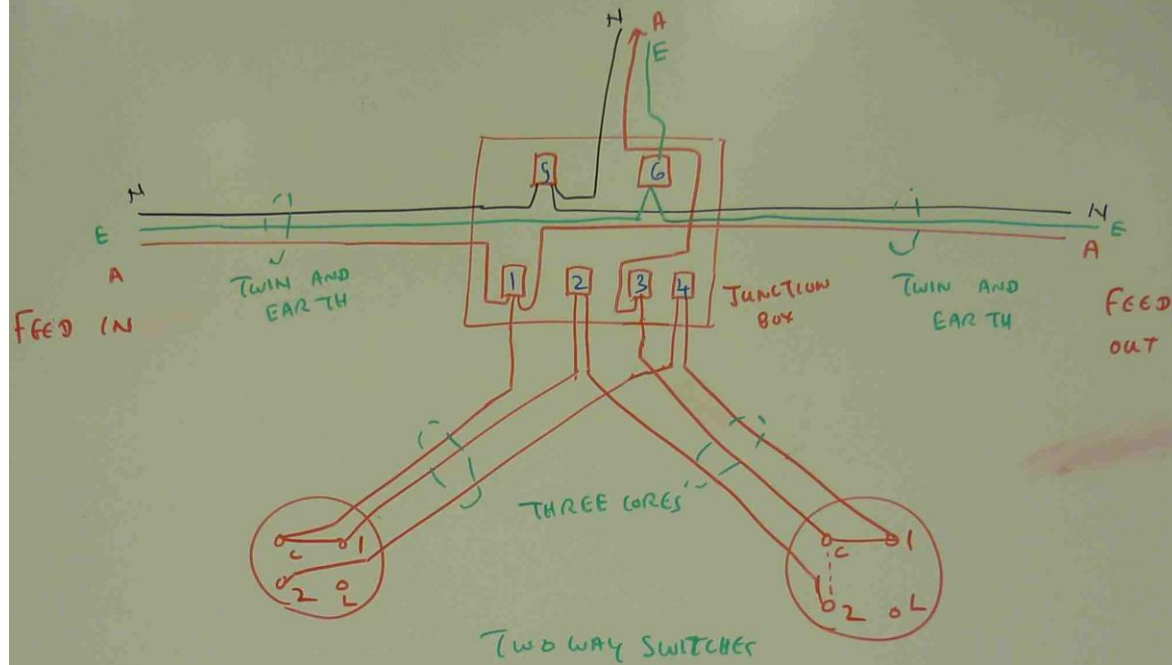
SPDT SWITCH

SINGLE POLE DOUBLE THROUGH

CONNECTION FOR TWO WAY SWITCHING USING THE "LOOPING IN" SYSTEM WITH SURFACE WIRING IN CONDUIT



## TWO WAY SWITCHING WITH CONNECTOR JUNCTION BOX

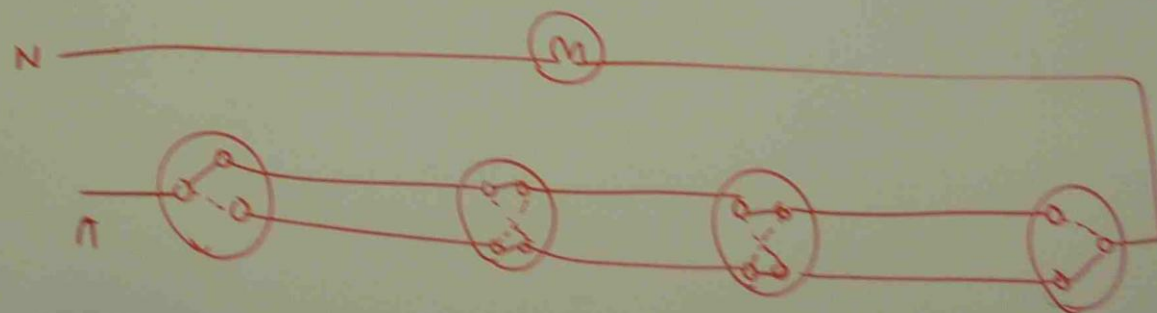
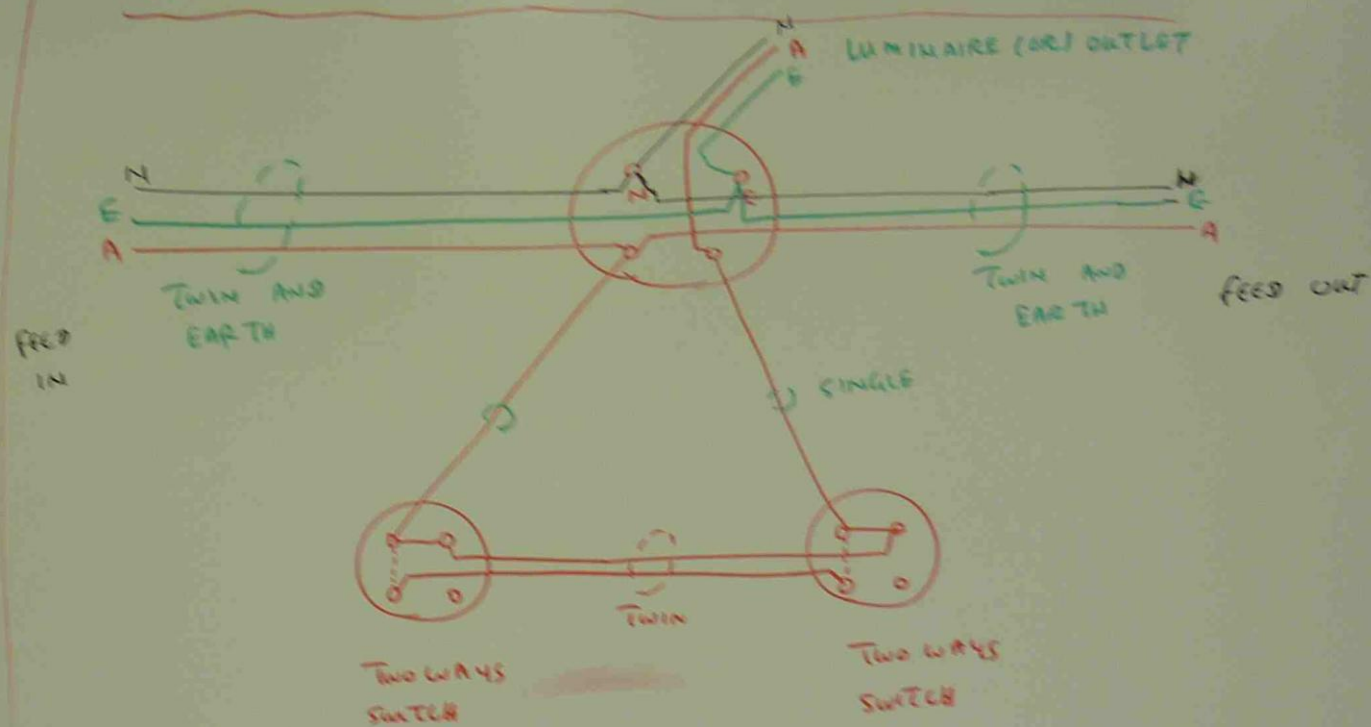


TWO WAY SWITCHING USING TWIN AND EARTH. AND THREE CORE CABLE AND JUNCTION BOX.

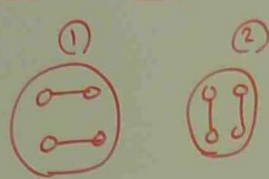
A TWO CORE AND SINGLE CORE CABLE MAY BE USED LIEU OF THREE CORE. THERE IS NO CONNECTION BETWEEN SWITCHES. ALL CONNECTIONS ARE DIRECTED TO JUNCTION BOX



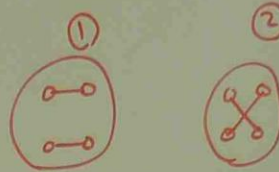
# TWO WAY SWITCHING USING SINGLE CORE, TWO CORE, AND TWIN EARTH CABLES



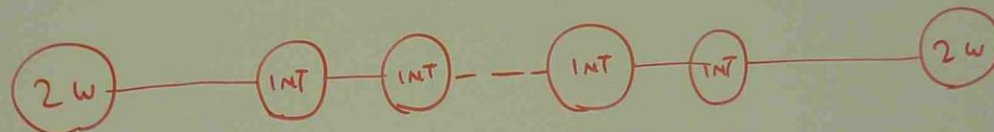
DOUBLE POLES, DOUBLE THROUGH (DPDT) SWITCHES  
ARE REQUIRED FOR 3 WAYS, 5 WAYS SWITCHING



DPDT

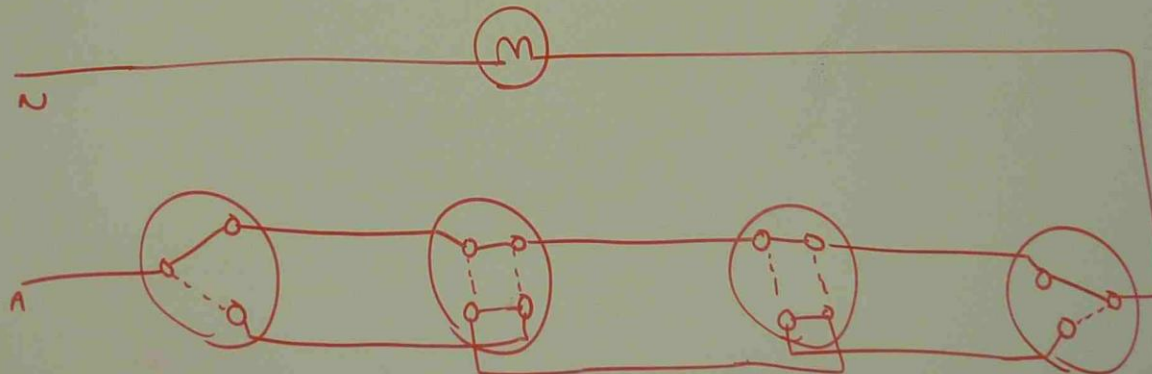


DPDT



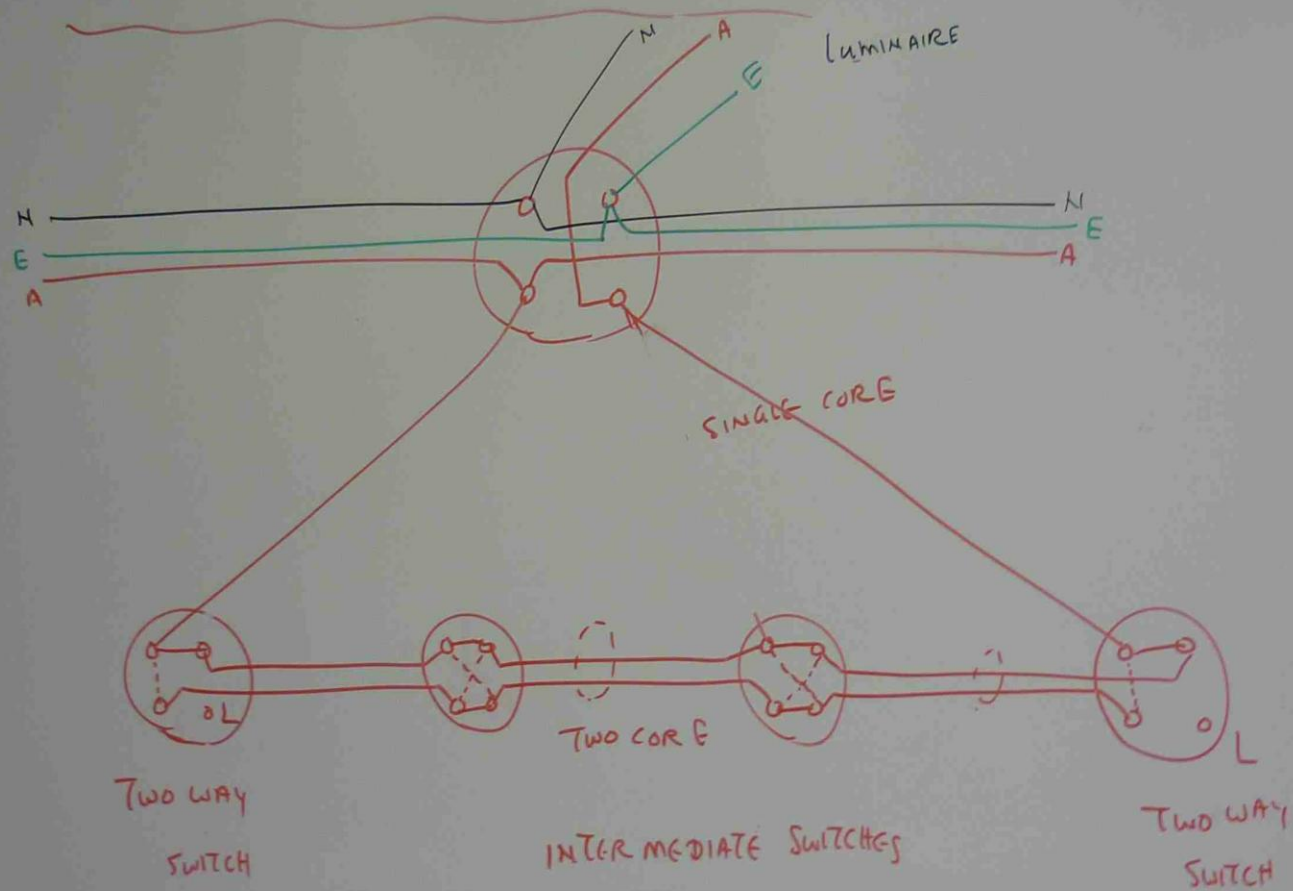
TWO WAYS

ANY NUMBERS OF  
INTERMEDIATE SWITCHES.



FIVE WAYS SWITCHES

MULTI POSITION CONTROL OF A LUMINAIRE  
USING SINGLE CORE, TWO CORE AND TWIN  
AND EARTH CONNECTION

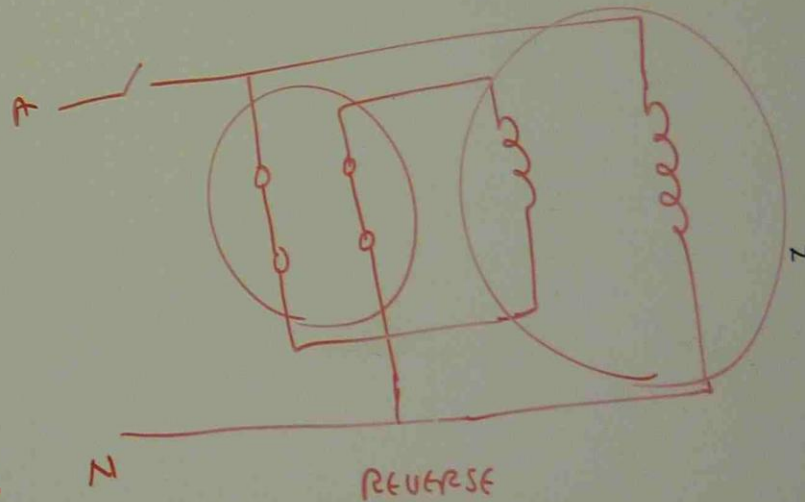
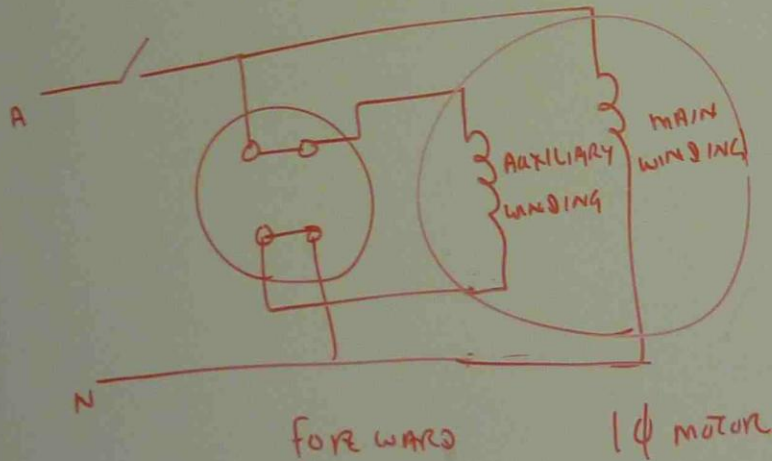




## APPLICATION OF INTERMEDIATE SWITCHES

INTERMEDIATE SWITCH CAN ALSO BE UTILIZED TO CHANGE THE DIRECTION OF ROTATION OF SINGLE PHASE MOTOR.

THE DIRECTION OF CURRENT FLOW IN TO AUXILIARY WINDING OF SINGLE PHASE MOTOR DETERMINES THE DIRECTION OF ROTATION



## POWER WIRING

TWIN TPS CABLE WITH ENCLOSED EARTHING CONDUCTOR IS THE MOST POPULAR CABLE TYPE USED FOR THE WIRING.

THE CONTROL OF A POWER OUTLET CAN BE DONE BY A SWITCH UP TO 1.5 m DISTANCE.

JB - JUNCTION BOX

