

Question: What is the effect of setting Incomer/ Feeder in Sepam series 40, 60 and 80?

There is a correspondence between Incomer/Feeder setting and black square shown on all CTs in Sepam documentation. If the Sepam is installed in an incomer panel (like Figure A) and as same wiring connection as done in figure A, then we could set the parameter as "Incomer". If the Sepam is installed in an outgoing panel (like Figure B) and as same wiring connection as figure B, then we could set the parameter as "Feeder". So it is very important to consider this relation.

Any changes in this parameter will change the sign of P, Q, power factor and then consequently the active, reactive energies inside the relay algorithm. But it is crystal clear that the direction of energy passing the CTs will not change.

Moreover this setting will affect power protection behavior such as 32P, 32Q and 40 as the sign of power is changing. But it is important to know that directional and differential protection behavior will not change by this setting.

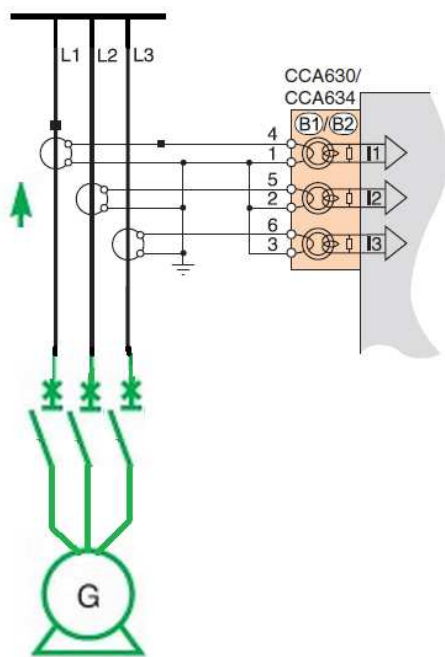


Figure A

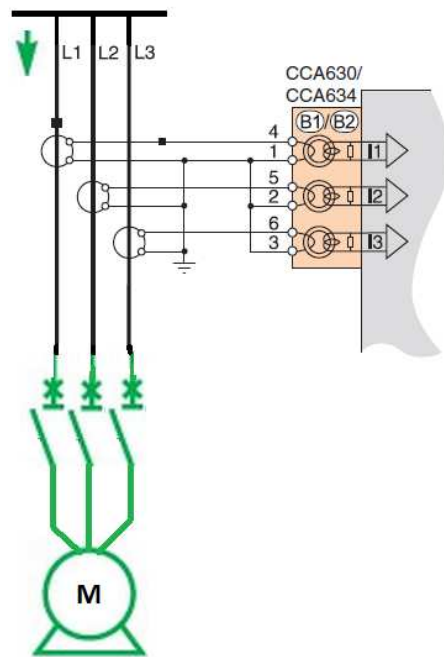


Figure B