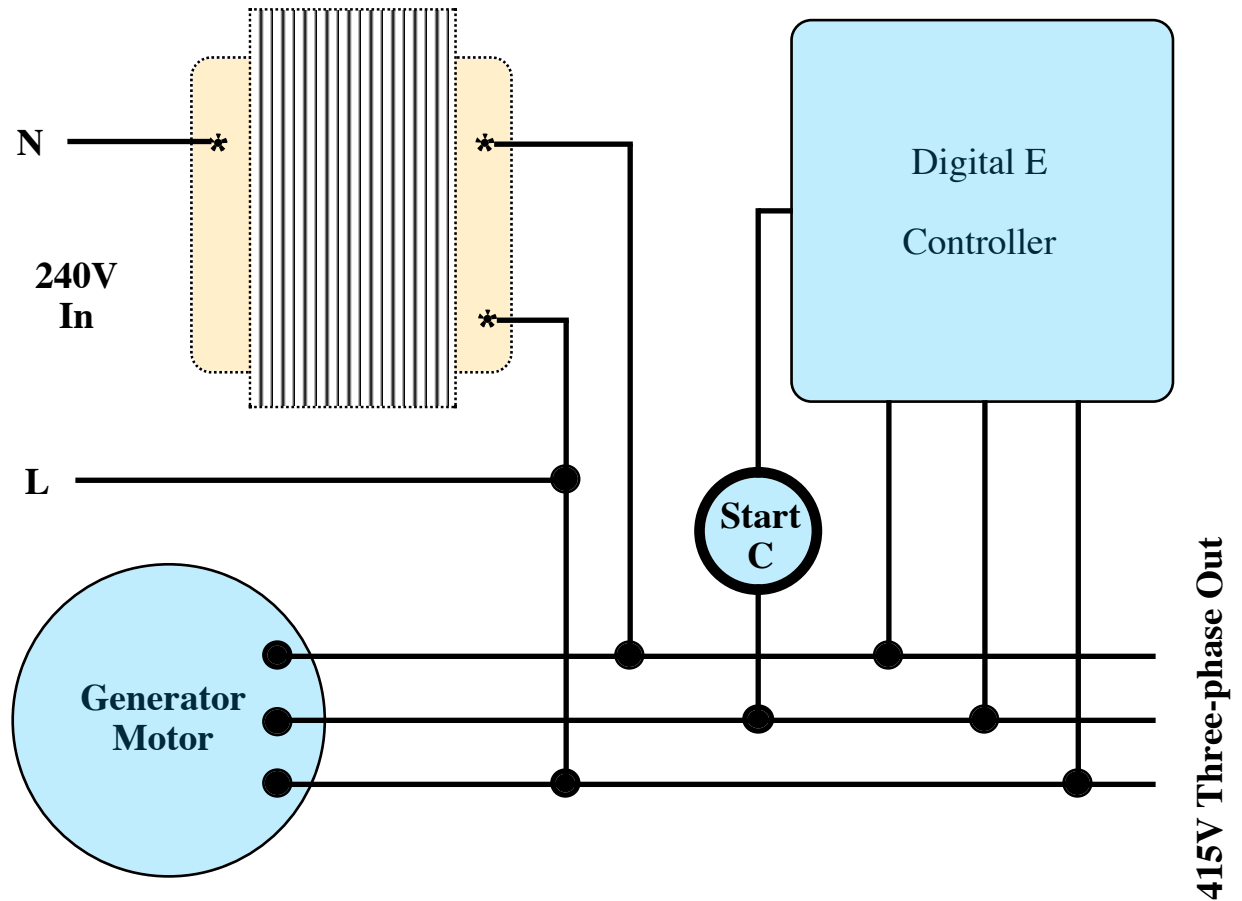


Single to three-phase converter controller E



The input voltage is stepped up to 415V (not required in US versions).

The controller senses the phase voltages and includes the start capacitor each time a motor starts. A motor accelerates fast and rides through momentary overloads.

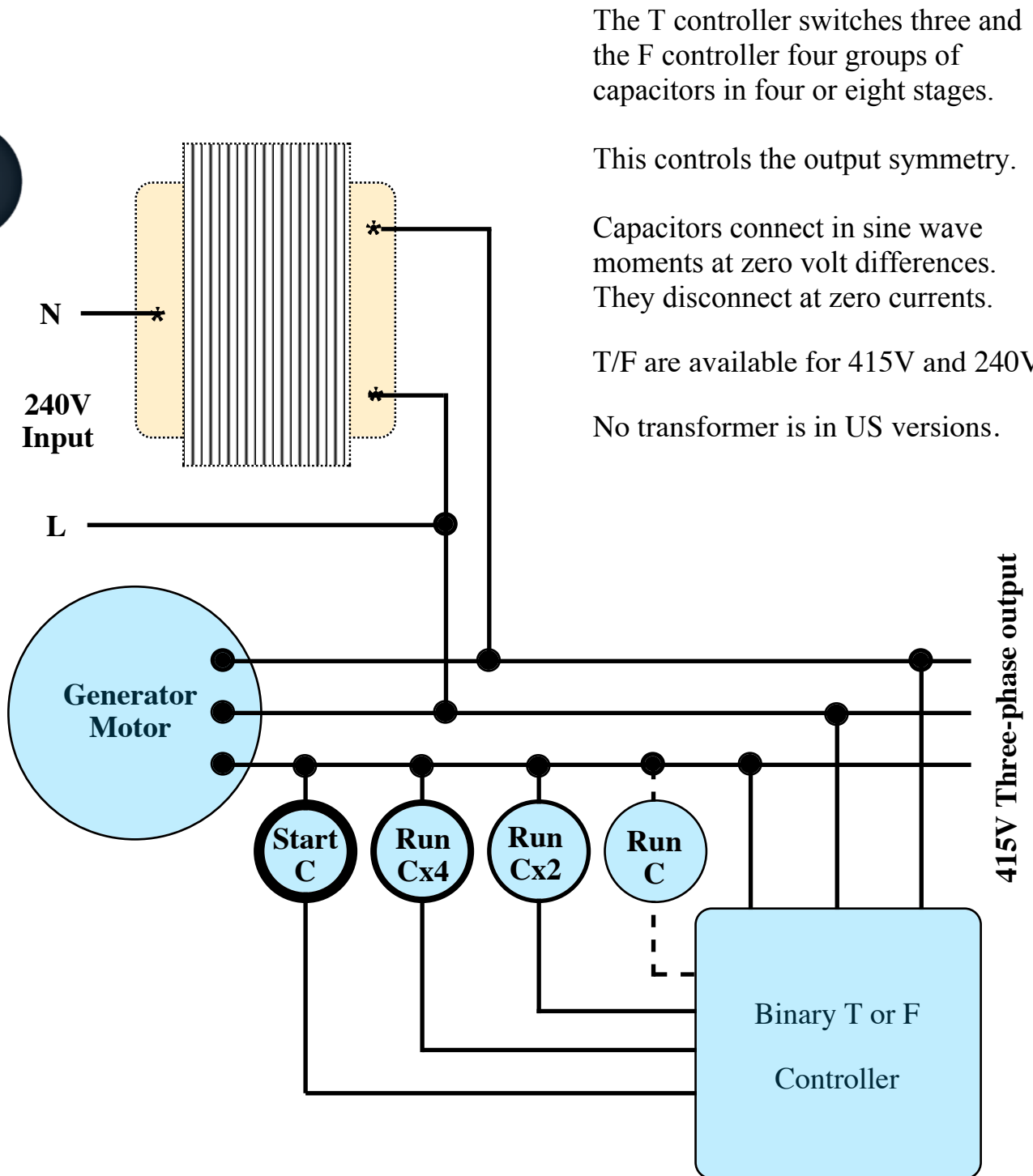
A time-out function limits the currents in case of a locked rotor.

The generator motor keeps phase angles at 120 degrees.

See T and F controllers below.



Single to three-phase converter controller F



The T controller switches three and the F controller four groups of capacitors in four or eight stages.

This controls the output symmetry.

Capacitors connect in sine wave moments at zero volt differences. They disconnect at zero currents.

T/F are available for 415V and 240V.

No transformer is in US versions.

A controller senses the phase voltages and selects the start- or the binary weighted run capacitors in four (T) or in eight (F) stages plus the start stage.

This causes a load motor to accelerate fast and the phase voltages to be symmetrical within $\pm 4\%$. The generator motor keeps phase angles 120 degrees apart.