



Single to three-phase controller for balanced voltages

**Phase symmetry control
in eight stages plus one.**

F controller: Four groups of SCR controlled capacitors

Capacitance ratio 4 : 2 : 1

Start-hysteresis supports acceleration of load motors

111 7 Full load

Thyristors are protected in case of locked rotors

110 6 85% load

Controller compares the three phase voltages

101 5 70% load

Run-hysteresis for smooth regulation

100 4 55% load

Octal voltage regulation in fine stages

011 3 45% load

Binary weighted capacitor values for nine stages

010 2 30% load

Capacitors are disconnected at zero current moments

001 1 15% load

Capacitors are reconnected at stress-free moments

000 0 No load

