

3547860 FERRANTI ELECTRIC INC

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T-52-13-25

## CONTROL CIRCUITS

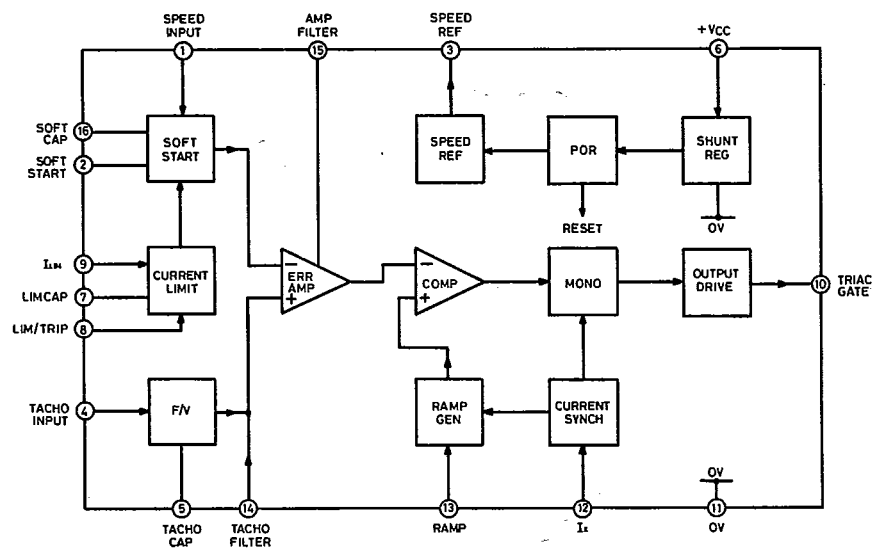
### ADVANCE INFORMATION UNIVERSAL MOTOR SPEED CONTROLLER

ZN410

The ZN410 is a monolithic silicon integrated circuit which has been designed for the purpose of speed control of Universal (AC series) Motors in cost sensitive applications. The circuit contains all the functions required for the phase control of universal motors in closed loop systems. It incorporates a tacho input suitable for magnetic coil pickup and requires a minimum of external components. Possible application areas are in power tools, food processors, washing machines, vacuum cleaners and many other consumer and industrial products.

#### FEATURES

- Low external component count
- Magnetic pickup tacho input
- Optional current limit or trip
- Soft start ramp circuit
- Negative triac gate firing pulses
- Full cycle conduction with inductive load
- On-chip shunt regulator
- Circuit reset on power down
- Direct drive from AC line



System Diagram

IC54