



# Handy Dandy #27 Little Circuits

## Motor Speed Controls

- **A few words of caution :**

The circuits shown below are a few of many suggested circuits as published by SCR and TRIAC manufacturers and cannot be construed as being the exact application for your requirements and I cannot be held responsible for their use and end results .

It is suggested that the subject of TRIAC and SCR as well as motor drive control systems be researched before making a final decision as to the application of these control circuits .

For satisfactory and safe results, knowing the exact type of motor you wish to control is of prime importance and all data available should be obtained before you contemplate to add any drive control circuits . Mount all SCR's and Triac on heatsink . Use current rated stranded wiring as required .

If you cannot find the SCR's and TRIAC's suggested in the circuits you may be able to find a substitute following this link [Cross References](#)

Some links to SCR's,TRiac's and motor control application notes:

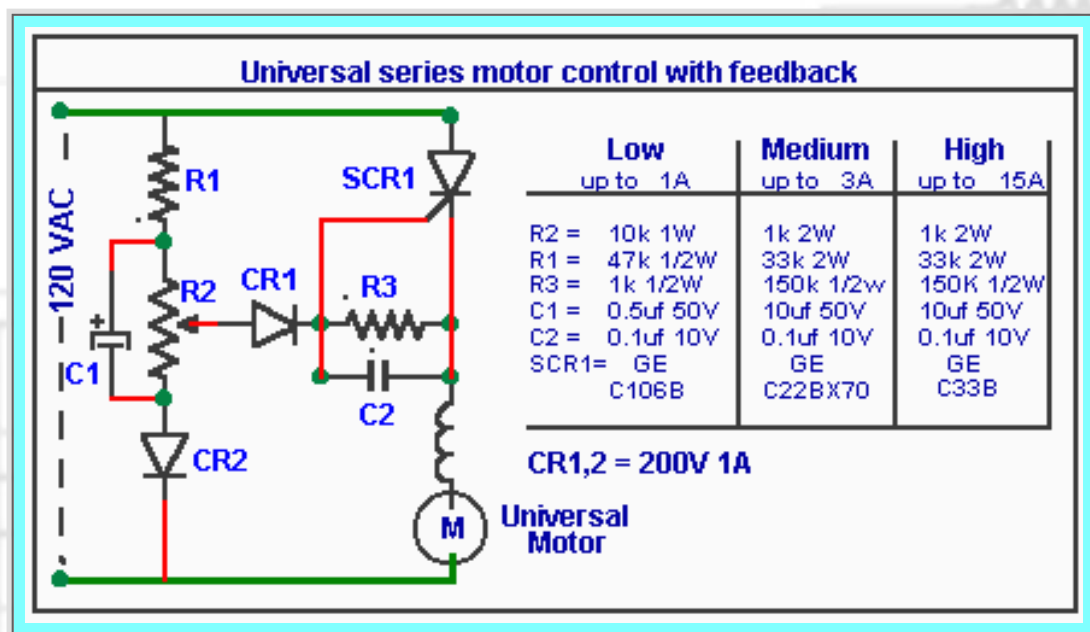
[Silicon Controlled Rectifiers \(SCR\)](#)

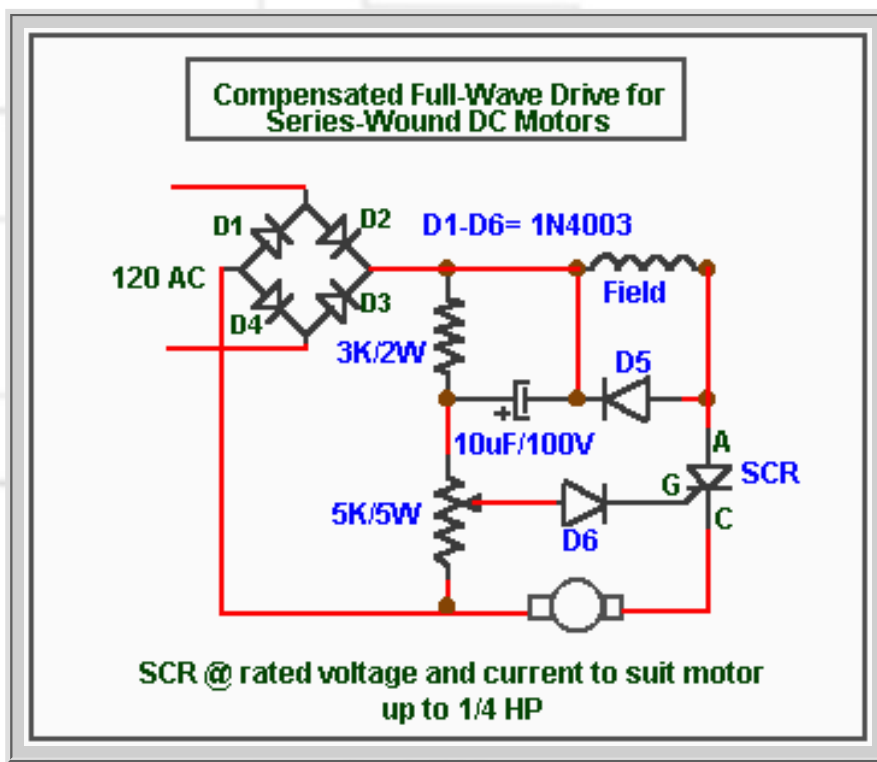
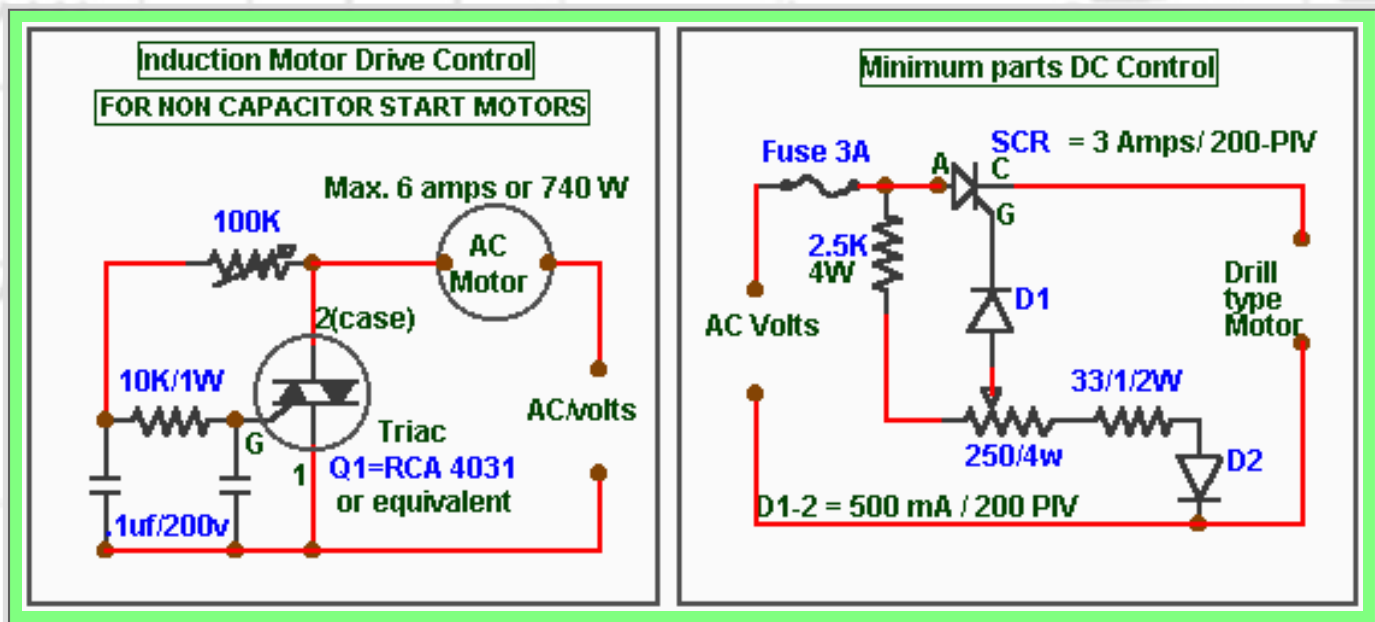
[Motor Controls](#)

[Thyristors](#)

[Application Notes](#)

[Triac Data](#)

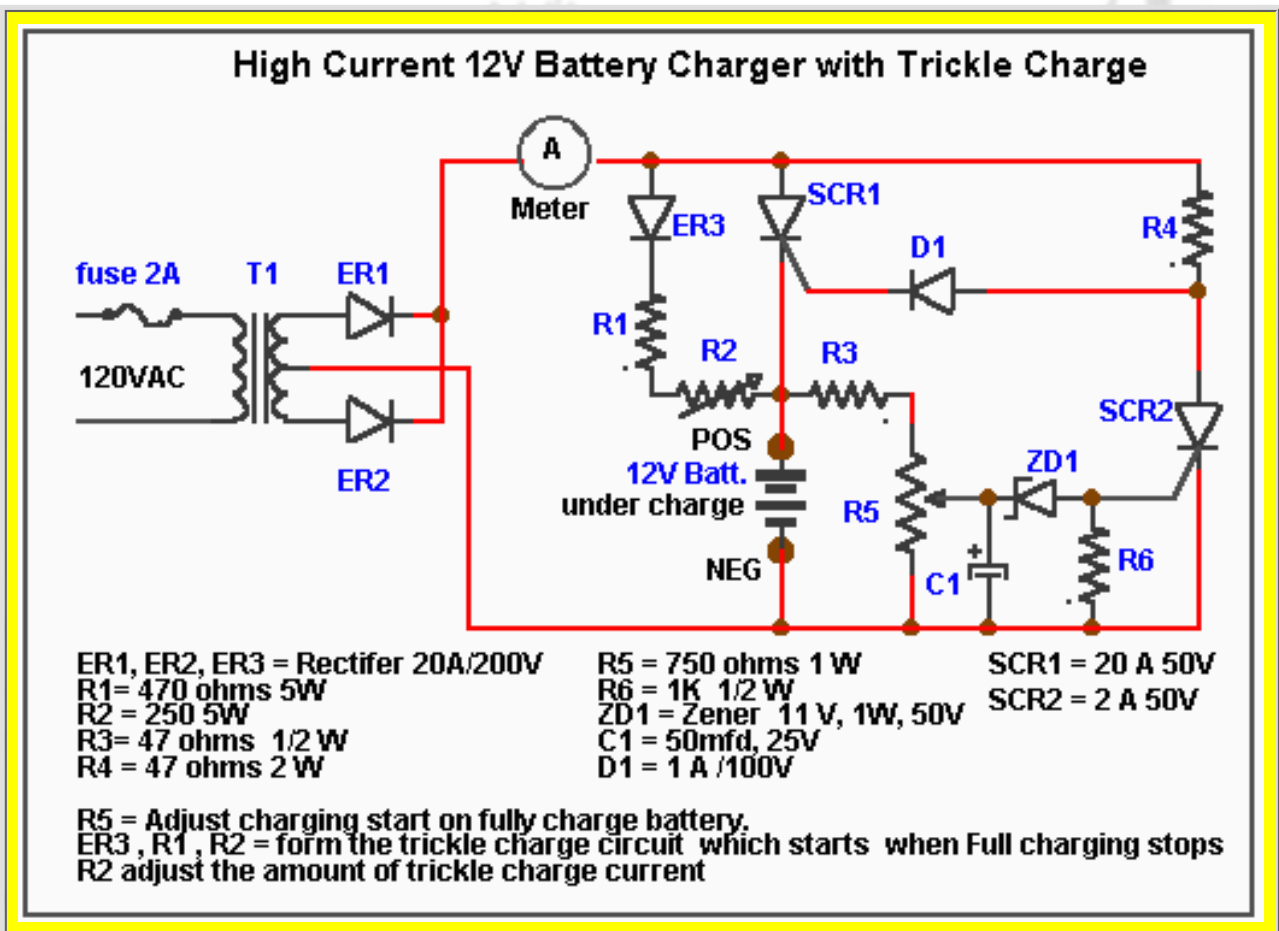
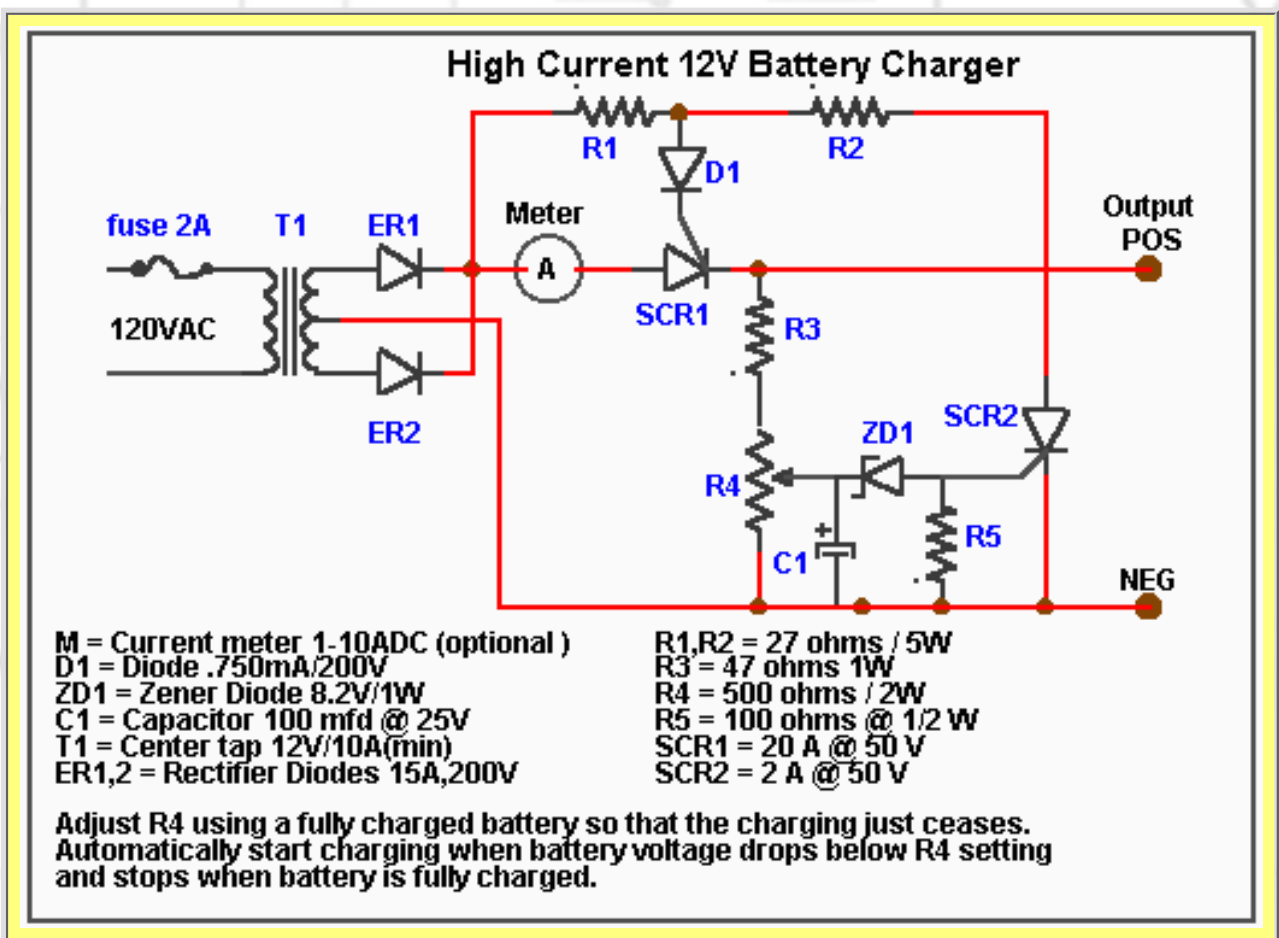




## Heavy Duty 12 Volts Battery Chargers

● You can use a transformer with up to 12 amps output current with corresponding fuse value . Use No.12-14 stranded wiring to battery connection with heavy duty clips . Mount Rectifiers and SCR's on heatsink . You can use a mA meter with a shunt resistor . See [Metering a power supply](#) .

**Note** The rectifiers and SCR's value as quoted can be changed to lesser values as required for lower current output as required .



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