

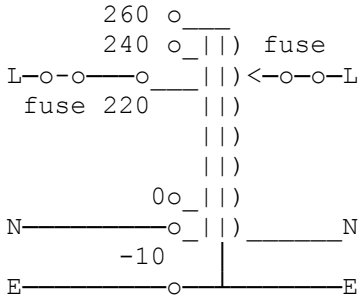
Variacs

By G8MNY

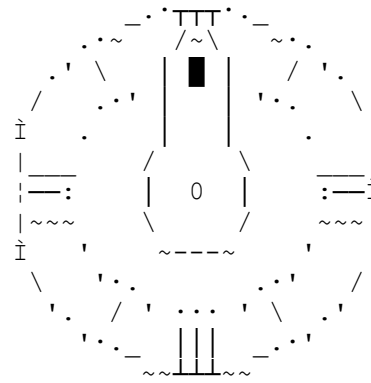
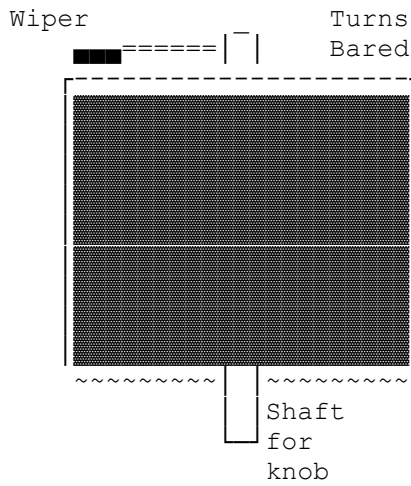
(New Dec 07)

(8 Bit ASCII Graphics use code page 437 or 850)

Variac is a traded name of The General Radio Co for a variable tapped toroid mains transformer usually with up to 17% overvoltage.



Ratings are normally in amps. But this can be confusing as the laminate core will have a power rating as a 50% step down auto transformer which is when the core has the maximum work to do of half the output rating, as half the output current flows through the top section & half comes up from the lower. However using a few % from the top or bottom you can easily cook the winding as the core put the huge currents. So an input & output fuse is needed to protect it.



Bad arcing can damage the brush & windings. Do check the brush & spring out if you have arcing. Insulation damage can cause fires as a shorted turn has almost infinite current available.

With toroidals the winding are exposed on the outside & variacs even more so if the bare windings are not fully encased,

Why Don't U send an interesting bul?

73 de John G8MNY @ GB7CIP