

Re: Newbie (ignorant) tech question

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Hello all,

I have a constant duty AC (28 VAC) motor that runs in one of my pinball machines. I wish to control power to the motor such that it only runs during gameplay. There are "recipe" circuits that do this for DC motors that do the same thing, in pinball machines. The heart of this "recipe" circuit is a TIP125 transistor. Will this transistor work in an AC voltage circuit?, Or, is control of AC motors more complicated than I am anticipating?

Thank you for any and all responses!

Regards,
Dan

Dan,

No and no. A tip 125 definitively cannot switch an AC circuit and control of an AC motor is not more complicated than DC.

First of all, how is the motor controlled now? Is it controlled anyhow? Or is it (or its 28VAC power source) directly switched by the mains? You need to find or to make some signal telling the machine someone is playing. That signal can be used to switch a relay or a triac which in turn switches the motor. Take into account that the motor will need some time to be fully operational after switching on. After switching off, it has also come to full standstill before it is safe to turn it on again.

petrus bitbyter

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