

Re: Newbie (ignorant) tech question

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Dan Beck wrote:

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?

That TIP can only control DC.

However, if you interpose a bridge rectifier in series and connect the TIP across the + and - of the bridge then it will work with certain reservations about grounding that circuit and how the on-off control is derived - it may need opto-isolating. I could only advise if I saw your application circuit.

Graham

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