

Re: Air conditioner contactor snubber.

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- *From:* John Popelish <jpopelish@xxxxxxxxx>
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GEORGE S JAYNES wrote:

My contactor has just killed two thermostats in a row. Yes, i will get a new contactor. Anybody know what values to use on this 24vac coil?

I don't think most thermostats are capable of driving a motor contactor, directly. You need a small relay between them. 24 volt AC coil and something like 5 or 10 amp contacts. Something with a less than 1 watt coil. This might work:

KUP-11A15-24 at the bottom of

<http://dkc3.digikey.com/PDF/T052/1290.pdf>

This can be socketed, or connected with separate wires with push on crimp terminals.

Then get a contactor with a generous contact rating, compared to the current your compressor takes. It can have a 120 or 240 VAC coil.

A 47 ohm in series with .47 uF across the thermostat contact will reduce the turn off flash.

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