

Re: AC spike go pass XFRM and regulator to reset CPU!??

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- *From:* CBFalconer <[cbfalconer@xxxxxxxxx](mailto:cbfalconer@xxxxxxxxx)>
  - *Date:* Fri, 25 Apr 2008 09:43:39 -0400
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Rodo wrote:

I have a device that is powered by 240VAC (also works from 120VAC). The AC drives the primary of a transformer (with a fuse and a MOV). There is also a fan connected to the 240VAC with a switch. The secondary of the transformer has a bridge, a large electrolytic cap (1000uF/25v) and an LM7805 regulator. There is a smaller cap (10uF/10v and 01uF/25v) at the output of the LM7805. Then the 5vdc connects to a PIC.

Almost every time I flip the fan switch a spike shows up at the output of the regulator. This is the part that I mostly do not get: even if I disconnect the fan and I flip the switch... the spike shows up ... and it is a bit larger in amplitude. I grabbed a picture of the spike ... you can see it at:  
<http://mysite.verizon.net/rodo/ds0000.bmp>

You don't seem to be getting many (in fact zero) answers. I suspect the reason is the same as mine, bafflement. Without the claim that it happens with the fan disconnected I could come up with several attacks, but as it is you seem to just be flipping a totally disconnected switch.

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Try the download section.

\*\* Posted from <http://www.teranews.com> \*\*

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