

Re: Help with AC switch – how can I make it gradually turn voltage up?

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- *From:* Ian Stirling <root@xxxxxxxxxxxxxxxxxxxxx>
 - *Date:* 16 Jan 2006 22:13:57 GMT
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routman@xxxxxxxx wrote:

> I have a pump which runs on AC. When I flip the power switch on, I
> need pump to slowly turn on. So I basically need the AC voltage to
> gradually go from 0V to 120V (rms) over the course of around 1 second.
> But I cannot do it manually (I cant use a turnpot or anything like
> that). It needs to be done all on its own, just by flicking the AC
> switch on. What is the easiest way to do this? Thanks.

The thermistor suggestion – probably – won't work.

Most AC pumps are synchronus – and only really work at all at near nominal voltage.

What sort of pump is it?

It may be possible to slowly ramp up the speed using a \$100 (assuming you're in the US) or so controller.

It may be more practical to do hydraulically.

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• ***References:***

- ◆ ***[Help with AC switch – how can I make it gradually turn voltage up?](#)***
◇ *From:* routman

- Prev by Date: ***[Re: Rimu Schematic/PCB Users?](#)***
- Next by Date: ***[Re: stereo expander, part 2](#)***
- Previous by thread: ***[Re: Help with AC switch – how can I make it gradually turn voltage up?](#)***
- Next by thread: ***[Can I replace 11.5VAC 12.5A with 15VAC 1.25A?](#)***
- Index(es):
 - ◆ ***[Date](#)***
 - ◆ ***[Thread](#)***