

Re: Current Transformer thanks

Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2005-09/msg00429.html>

- *From:* "Bordon" <Bordon@xxxxxxx>
 - *Date:* Tue, 13 Sep 2005 09:08:05 -0500
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"Danni" <digikey@xxxxxxxx> wrote in message
news:21763-4325FD43-278@xx
> "Does Mr Bowden means to say pin 1 instead of pin 7 in the above
> statement. Since pin 7 does not connect to a capacitor.
> Or is my ignorance showing.
> I'm also confused does this circuit produces 12 Volts DC ??
> Is the theory of relay to turn on say a light or something when it
> detects voltage? I'm probably not going to make the circuit but just
> trying to understand it a bit."

> _____
> Re;
> I think you're right. It is OP amp A that does the "detecting" or
> amplifying of the current signal. The signal is then integrated and
> filtered at it's output; namely pin 1; by the 10uF cap paralleled by the
> 100k bleeder resistor. OP amp B then acts as a "switch" or comparator,
> to activate the relay through the 2N3053 buffer transistor.
> The relay is activate when current of sufficient magnitude passes
> through a wire "monitored" by L1.
> I did note that the article said that the relay may chatter when
> monitored current is near the setpoint of OP amp B. This could be
> remedied by inserting some hysteresis into OP amp B (the comparator);
> something the circuit woefully lacks. I hope that helps...
>
> -Dan Akers
>

Yes thank you.

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- *References:*
 - ◆ *Current Transformer thanks*
◇ *From:* Bordon
 - ◆ *Re: Current Transformer thanks*
◇ *From:* Danni

Re: Current Transformer thanks

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