

Re: 12 LED resistance circuit help

Source: <http://sci.tech--archive.net/Archive/sci.electronics.basics/2005-04/msg01203.html>

- *From:* John Fields <jfields@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sun, 24 Apr 2005 15:22:26 -0500
-

On Sun, 24 Apr 2005 18:12:30 GMT, "Anthony Fremont"
<spam@xxxxxxxxxxxx> wrote:

>
>"John Fields" <jfields@xxxxxxxxxxxxxxxxxxxxxx> wrote in message
>
>> Sure, I made a typo, which is clearly evident from the context of the
>
>Clearly evident, are you trying to be funny? There is nothing "clearly
>evident" about 0.6mA REALLY meaning 600mA.

Well, had you noticed that earlier on in the article I referred to being able to run a relay with a 100mA coil, and had you noticed that that relay was in series with the collector-to-emitter junction of the transistor, it should have been obvious that, in the absence of current-hogging, that 100mA also had to pass through the transistor's collector-to-emitter junction in order to cause the relay to function. Also, I don't think there are any commonly available mechanical relays with will operate with coil currents on the order of 60 μ A, so it should have been more or less obvious that it was a typo. Especially when you consider that just removing the mu fixes everything.

>> article. Big fucking deal.
>
>As a matter of fact, it is a BFD now. You wrongly cussed me out, now
>you should apologize. Or do you think you are above that?

What I think is that you're trying to mitigate your error by saying, "See, everybody makes the same kinds of mistakes I do.", and there's no reason for me to apologize to you for flaming you about that.

>> You, on the other hand, are bobbing and weaving and ducking around
>> saying that what you meant by current hogging (a commonly accepted
>> technical term) was "power hogging", or some such other nonsense and
>> trying to excuse your error by saying that I'm in the same boat that

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>> you're in, LOL.

>

>I admitted that current was the wrong word, WTF do you want me to do?

I dont care _what_ you do.

>Do you really think that I don't know the difference between current and
>power, or that the current thru all components in a series circuit is
>the same?

You do now...

>I really didn't expect the pedant police to jump all over it.

Shit happens...

>Next time I'll be more careful.

Good.

>The simple fact remains that one LED WILL DISIPATE MORE POWER THAN THE
>OTHER DUE TO DIFFERING Vf's. RIGHT???

Right.

>THE END RESULT IS EXACTLY THE
>SAME AS IF ONE DEVICE HOGGED MORE CURRENT, RIGHT???

Wrong. That's the same as saying that getting from point A to point B
via a road that doesn't exist is the same as getting from point A to
point B via road that does exist.

>I have admitted my
>error numerous times now. Now, what is your problem?

I have no problem.

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>I'm not saying that you're in the same boat as me, I am saying that you
>make mistakes too. What I'd like to know is:
>
>Would you rather have someone point it out nicely, or would you rather
>them try to trip you up so that you can dig yourself in deeper? Let me
>know so that I may properly appease you in the future.

Neither my appeasement nor your sarcasm is necessary. Besides, I
don't know why you're so offended by what you thought was a trick
question since, trick question or not, it certainly woke you up
quickly enough!

>BTW, I feel that a microcontroller would be a simpler, cheaper, more
>reliable (iow better) solution to the problem of resetting the network
>appliances on a regular basis. What do you think?

Is that a trick question?

John Fields
Professional Circuit Designer
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• *Follow-Ups:*

- ◆ **Re: 12 LED resistance circuit help**
 ◇ *From: Anthony Fremont*
- ◆ **Re: 12 LED resistance circuit help**
 ◇ *From: John Fields*

• *References:*

- ◆ **12 LED resistance circuit help**
 ◇ *From: Brilla*
- ◆ **Re: 12 LED resistance circuit help**
 ◇ *From: John Bokma*
- ◆ **Re: 12 LED resistance circuit help**
 ◇ *From: Anthony Fremont*
- ◆ **Re: 12 LED resistance circuit help**
 ◇ *From: John Fields*
- ◆ **Re: 12 LED resistance circuit help**
 ◇ *From: Watson A.Name – \"Watt Sun, the Dark Remover\"*
- ◆ **Re: 12 LED resistance circuit help**
 ◇ *From: Anthony Fremont*
- ◆ **Re: 12 LED resistance circuit help**
 ◇ *From: John Fields*
- ◆ **Re: 12 LED resistance circuit help**
 ◇ *From: Anthony Fremont*

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◇ *From:* John Fields

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◇ *From:* Anthony Fremont

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