Re: is there a way to increase the light of an LED with a dial?

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- *From*: "Arfa Daily" <arfa.daily@xxxxxxxxxxxx>

- *Date*: Sat, 26 Jan 2008 10:51:09 GMT

"Victory" <bionicbuddha@xxxxxxxxx> wrote in message
news:d8e59073−2144−47a0−bcad−3aaa66d157a9@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

> I forgot to add − with the 12v, the LED went all the way to it
> brightest and dimmest while turning the resistor. It was perfect, but
> with the 5V, it peaked near the top of the resistors turn, and then
> started to burn out. Not sure why with 5V it would burn out, but with
> 12V it did not.

And exactly what led you (no pun intended !) to this odd conclusion? I can't think of any practical or theoretical reason why this should have been the case. 12v and full range control, yes, no problem. 5v, and range of control bunched up one end. Yes, no problem. Then it was "burning out" ? What was, the pot or the LED ? If the pot, then I don't know why it should have been giving trouble at the lower voltage rather than the higher, but it does rather neatly underline the problems that can occur when you use a simple pot to control DC, rather than adding a 'helper' transistor as I suggested *might* be a good idea.

Arfa

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