

Re: Potentiometer Help!!!

Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2004-07/0887.html>

From: andy (news4_at_earthsong.free-online.co.uk)

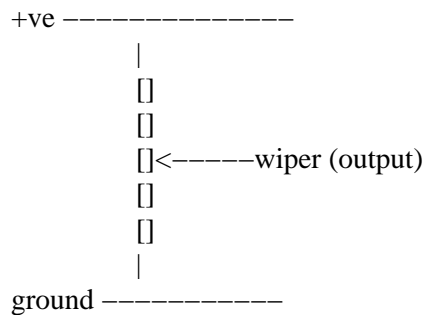
Date: 07/20/04

Date: Wed, 21 Jul 2004 00:07:50 +0100

On Tue, 20 Jul 2004 11:33:13 -0600, VideoGuy wrote:

- > I am using some controller boards to run 2 12v motors. The board that I am
- > using needs a 5k pot to serve as the input. The pot center is neutral when
- > turned to the right the motor goes forward and when turned to the left the
- > motor goes in reverse. I would like to use a 10k pot joystick that I
- > already have purchased since it is what would work best for the way I have
- > designed the control system. Is there anyway to make a 10k pot act like a
- > 5k pot or is there a way to manipulate the signal??? Help!!!

chances are it will be OK just to substitute it. usually a pot is wired like this:



The voltage on the wiper will change just the same whichever value pot you use. The only problem is if it's wired differently, or if the circuit is expecting to be able to draw more current than the higher value pot can cope with. (As current is drawn from the wiper down to ground, it changes the output voltage slightly).

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<http://www.niftybits.ukfsn.org/>

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