

Re: Comparator for sensor

Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2006-01/msg01489.html>

- *From:* John Popelish <jpopelish@xxxxxxxx>
 - *Date:* Tue, 31 Jan 2006 10:39:45 -0500
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Manimozhi Baskaran wrote:

Hi,

I am building an application that needs to beep when the voltage output from the sensor device is less than 0.8 Volts. I am not sure what would be the right design that I can use for the buzzer to beep. The voltage for the sensor is 5 V DC supply. Should I consider using 741/LM series?

The dual comparator, LM393 has inputs that work all the way to the negative supply rail, so it should detect .8 volts just fine. These comparators have an open collector output that turns on a connection to th negative rail when the - input is more positive than the + input. <http://www.fairchildsemi.com/ds/LM%2FLM2903I.pdf>

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