

Re: RS-232 Digital thermometer – interface and driver

Source: <http://linux.derkeiler.com/Newsgroups/comp.os.linux.misc/2004-05/0950.html>

From: Keith (keith_rhodes_at_yahoo.com)

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Frank da Cruz <fdc@columbia.edu> wrote in message
news:<slrnca4p63.hhr.fdc@sesame.cc.columbia.edu>...
> On 2004-05-12, Floyd L. Davidson <floyd@barrow.com> wrote:
> : keith_rhodes@yahoo.com (Keith) wrote:
> :
> : > Maybe this weekend, if I'm lucky, I'll try things like echo K >>
> : > /dev/thermometer to see if I get back the model number.
> :
> : ...actually, rather than just echo, I'd suggest either using
> : kermi, minicom, or seyon. Those are "modem" programs, and with
> : each you will be able to see data coming back. If you put the
> : modem program into a debug mode where it prints *all* received
> : data as hex, you can then actually decipher what the response is
> : too. But the big advantage of a modem program for initial
> : testing is that you can change the serial port configuration
> : easily.
> :
> : Once you get that working, all you need to do is write a simple
> : C program to send commands and display results... ;-)
> :
> : If you use C-Kermit:
> :
> : <http://www.columbia.edu/kermit/ckermi.html>
> :
> : you won't have to write a C program, nor will you have to learn all
> : about the peculiarities of serial ports and drivers in this or that
> : version of Linux or Unix or any other OS. C-Kermit is not only a
> : modem program (and a Telnet client, FTP client, etc etc) but also a
> : programming language designed for communications applications just
> : like this one. Here, for example, is a Kermit program for executing
> : Telocator Alphanumeric Protocol for alphabnumeric paging:
> :
> : <ftp://kermit.columbia.edu/kermit/scripts/ckermi/alphapage>
> :
> : This is a rather complex example, but it illustrates many of the
> : features of the language, and its abstraction of the underlying

comp.os.linux.misc: Re: RS-232 Digital thermometer – interface and driver

> *i/o details. For a programming tutorial and a library of examples,*
> *see:*
>
> <http://www.columbia.edu/kermit/ckscripts.html>
>
> – *Frank*

Thanks for the links, Frank. Bookmarked.

Keith.