

Here's the info for reading the temperature. This is pretty simple. Just send the string below ([cr] = carriage return = ASCII character 13).

Interface: RS232C (use a crossed cable, e.g. as included with the CUBE)

Basic settings: 9600bps, parity:even, data:7bit, stop bits:2

Command: Query current temperature

@00100000071*[cr]

Response

@00100xxyyyyzz*[cr]

xx : End code

- 00 OK
- 0D Command could not be executed
- 10 Parity Error (check COMM settings)
- 11 Framing error (check COMM settings)
- 12 Received buffer overflow
- 13 Checksum error
- 14 Command format error

yyyy : Temperature (e.g. 37.0 degC = 0370)

zz : frame check sequence (FCS)

Changing the set point is a bit more complicated. If you wish, I can send you a PDF document with a complete description of the coontroller command set including a program example written in a generic BASIC dialect. First you need to send a command to bring the controller into remote mode (see chapter 6.4), then you need to send the set point command (the Parameter # for to access the temperature set point is 01) for which you need to calculate the checksum and then you should bring the controller back into local mode. If you have further questions, don't hesitate to contact me.