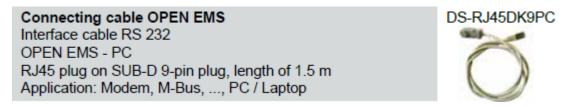
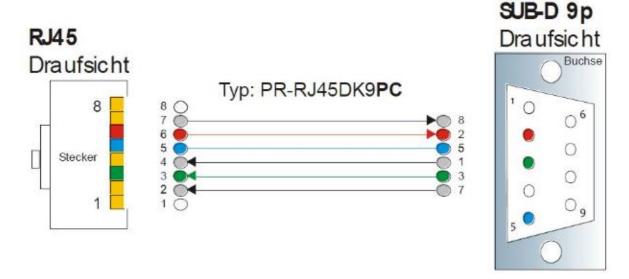
TT180702 - Troubleshoot - Find Controller IP Using COM Port

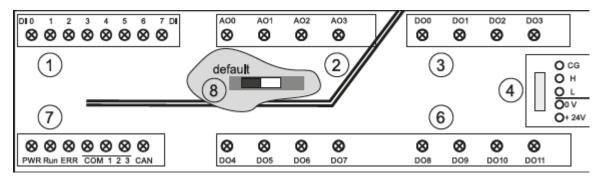
- 1. Download telnet client (e.g. PuTTY https://www.putty.org/)
- 2. You need this cable



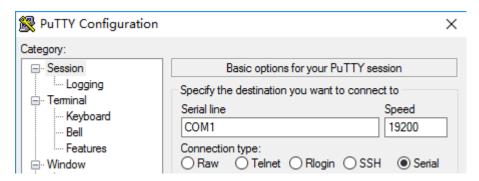
Or you can build your own cable (only Pin 2, 3, 5 are required)



3. Turn off the controller, open the front cover, set the switch "COM1/COM2" to COM1



- 4. Connect the cable to "COM 1+2" on the controller and to your PC COM port (or via USB to Serial Adaptor)
- 5. Setup your COM port settings to (19200, 8, None, 1)
- 6. Start PuTTY, select "Serial", type in "COM1" and speed "19200" (or other COM port you setup in your PC), and then click "Open"



- 7. A window will come up. Now turn on the controller, there will be a lot of controller startup messages in the window
- 8. Wait for about 1-2 minutes, you should see the below message in the window when startup is finished, the line "eth0" show the IP and subnet mask of the controller.

```
PuTTY COM1 - PuTTY
          Link encap:Ethernet HWaddr 30:18:CF:00:2E:05
eth0
          inet addr:192.168.170.109 Bcast:192.168.255.255 Mask:255.255.0.0
          UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B)
                             TX bytes:0 (0.0 B)
          Link encap:Local Loopback
10
          inet addr:127.0.0.1 Mask:255.0.0.0
          UP LOOPBACK RUNNING MTU:16436 Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)
Starten von pppinst ...
Links (trend.cgi trend.ini) setzen ...
copy index.html file...
Run the Packages...
Mon Jul 23 14:50:18 HKT 2018
Configure MCP
Starting lighttpd ...
Starten des MCP ...
    71.849690] LEDs BB01: START ETHO LOOP DETECT
    73.937667] PCAN:Baudrate:500000 on CAN:0
    73.969796] PCAN:Baudrate:50000 on CAN:0
    76.889535] LEDs BB01: STOP AUTOMATIC WATCHDOG TRIGGER OK
    76.924365] LEDs BB01: START MCP WATCHDOG TRIGGER OK
```

9. Now you can turn off the controller, set the switch "COM1/COM2" back to COM2, and close the front cover.