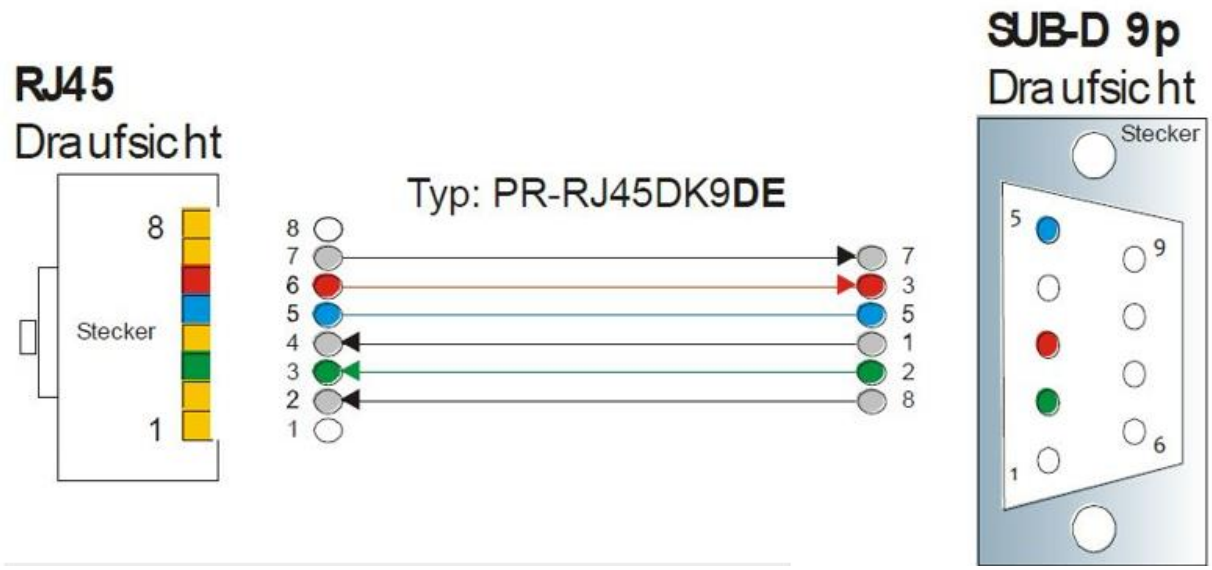
TT220903 – OPEN - Using COM2

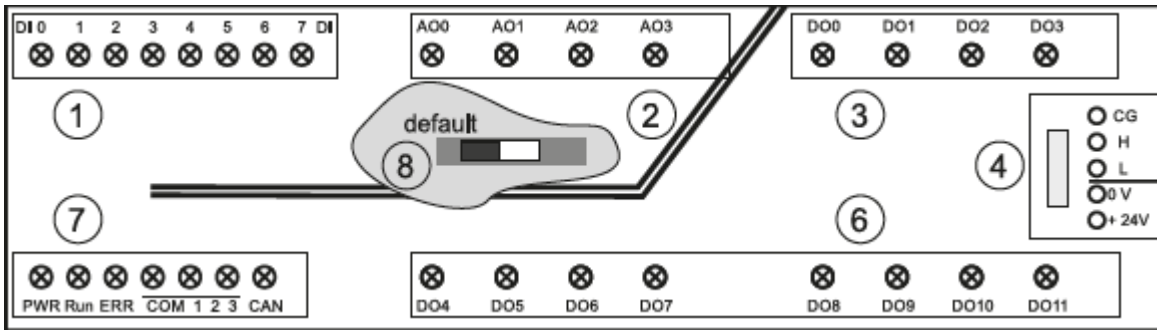
1. In OPEN controller, we have 2 COM ports for communicating with RS-232/RS-485 devices. Normally, we use COM3 to communicate with RS-485 devices, e.g. Modbus RTU.
2. You can also use COM2 for the same purpose (e.g. COM3 has been used for BACnet MS/TP). To do this, you need to order this cable.

Interface cable RS 232 OPEN EMS - peripheral unit RJ45 plug on SUB-D 9-pinplug, length of 1,5 m Application: Modem, M-Bus, ...	DS-RJ45DK9DE 	DS-024081

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



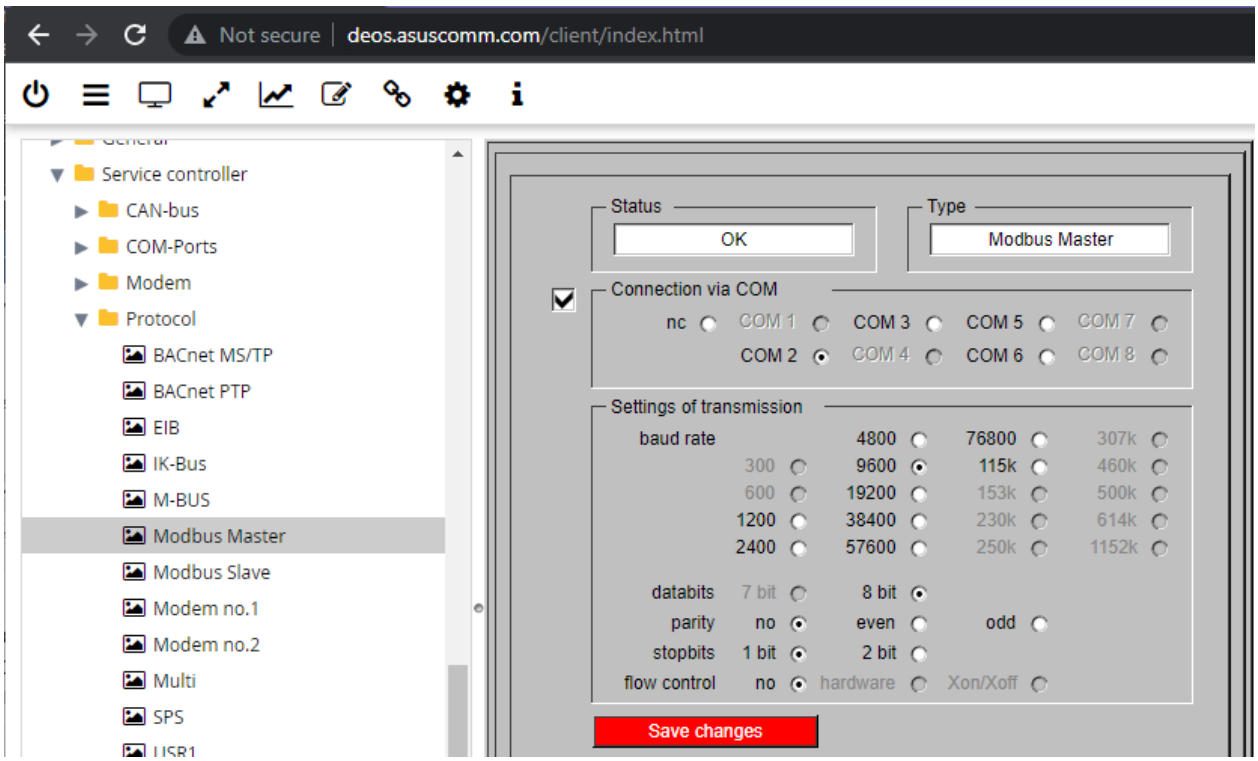
3. In the OPEN 600 controller, COM2 is mark as “COM1+2”, and it can be used as either COM1 or COM2. By default, it is set as COM2 so normally you don’t need to change anything.
4. In case you need to change it, you need to turn off the controller, open the front cover, set the switch “COM1/COM2” to COM2.



5. In the OPEN 600 controller, COM2 is a RS-232 port. So, you also need a RS-232 to RS-485 converter.

Interface converter, RS232 to RS485, switch cabinet module with electr. isolation, max. distance between 2 devices: 1000 m, Connection via connectors 0.2-2.5 mm² or SUB-D connectors, 9-pole Voltage supply: 24 V AC /DC +/- 20% Mounting on DIN rail incl. connecting cable RJ45DK9DE	DS-SSURS232RS485 DS-360069 

6. You can also use any RS-232 to RS-485 converter that you can buy locally. It is suggested that you buy a converter with external power supply, and also with Tx/Rx LEDs showing the communication status.
7. For example, to setup COM2 for Modbus master communication, start browser and connect to the controller. Select “Service Controller”, “Protocol” and “Modbus Master”. Select the settings below, click “Save Change” and enable it with the ☑.



8. You can now use COM2 for RS-485 communication for 3rd party system integration.