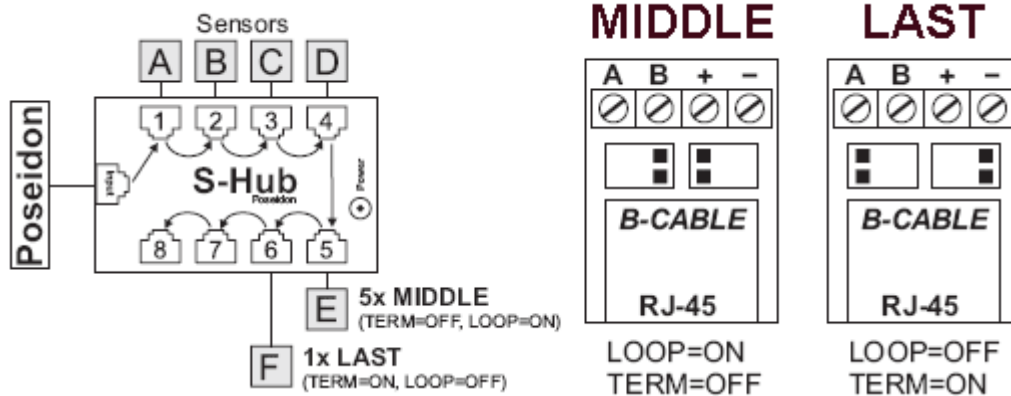


The RS-485 bus is used for connection of sensors to the Poseidon for up to 1 000 meter distance. It is connected with 4 wires (A, B, +, -) or using an RJ45 connector. The B-Cable module converts these two ways of connection.

This cable will be very helpful for easy conversion from 4-pin to RJ45 wiring used when connecting the [Temp-485-Pt100](#) or [HTemp-485](#) sensor types to the [S-Hub](#) or to Poseidon itself (model 1250 and higher).

Note: B-Cable represents a cheap solution and is intended for installation in distribution box or other narrow spaces. For this reason it is supplied without any box as depicted here.



Connecting the B-Cable to sensors

On the picture you can see a connection of the B-Cable to the Temp-485 temperature sensor. The B-Cable needs to be connected using 4 wires, both connection blocks have the same description.

Don't use termination on the sensor, not even in the situation that the sensor is the last one. Use the jumper configuration "MIDDLE / LAST" instead.



Connection without the B-Cable

The B-Cable is not necessary when connecting sensors to the terminal board. You can use direct TP cable connection instead.

Note: The direct connection is recommended for installation companies and experienced users!

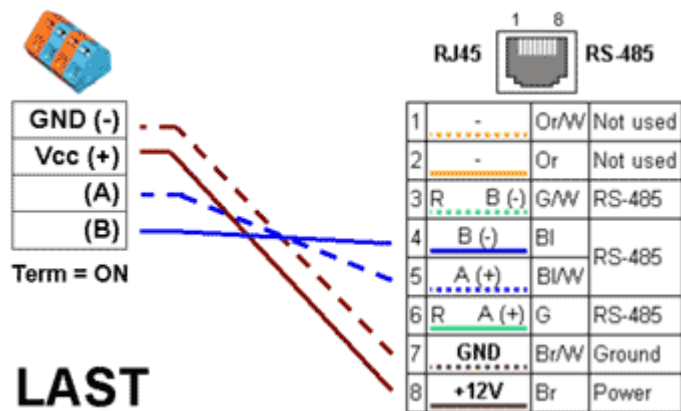
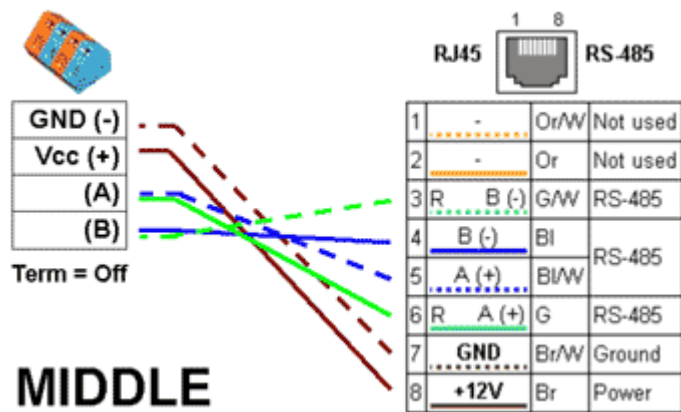


To connect sensor that is not at the end (so it's MIDDLE) you must connect the green and the blue wire of the TP cable on the sensor's connector - as you can see on the picture. Be careful, you always connect full colour with striped colour.

The RS-485 terminator on the sensor is disabled (**TERM=OFF**)

About 0,5 meter long cable connected this way can be ordered under the following code:

Sensor RJ45 MIDDLE cable [600 233]



The LAST sensor uses a simple connection of 4 wires. The proper connection of the power supply is signaled by an indicator, that will blink when the power supply is properly connected.

The RS-485 terminator on the sensor is enabled (**TERM=ON**)

About 0,5 meter long cable, connected this way can be ordered under the following code:

Sensor RJ45 LAST cable [600 234]

DIREKTRONIK

Direktronik AB tel. 08-52 400 700 www.direktronik.se