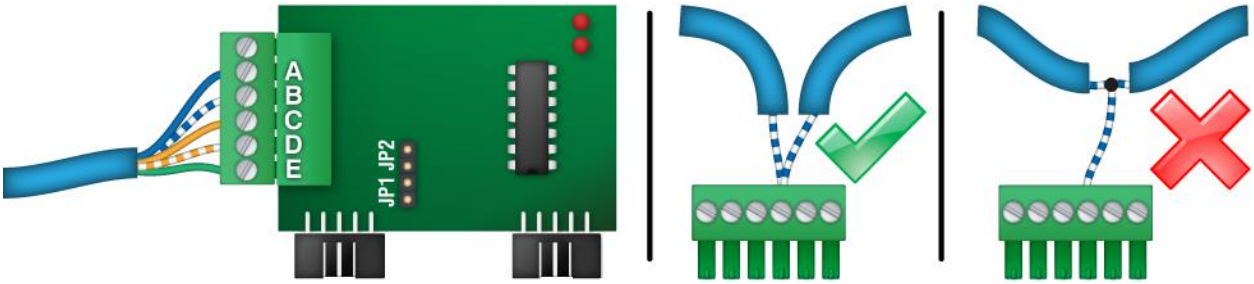
RS485 Module installation guide

The RS485 Flex Module (**model FLEX**) is an additional or replacement RS485 Module for Phason "Flex" controls.

Communication overview

Controls communicate with the computer through the RS485-FD Converter. The RS485-FD connects to all controls and devices on the network using CAT5 communication cable.

The following diagram is an overview of connecting the wiring, and continuing it from one device to the next. You can find complete instructions for connecting the communication wiring in the **RS485-FD Converter installation guide**.



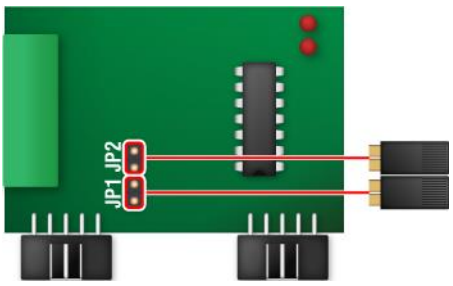
Connect the communication wires to the **ABCDE** positions on the communication connector, **in the order shown. The order must be the same at each device.** When continuing from one device to the next, connect the two wires to each position in the connector; **do not use branches or T-connections**.

A blue
B blue/white
C orange
D orange/white
E green

Termination jumpers

The last device on the communication channel must have the termination shunts on both pins. All other devices on the communication channel must have the shunts on a single pin. When connecting the communication wiring, make sure you place the shunts in the proper positions.

Make sure each termination shunt is on **only a single pin** if the device **is not** the last one on the communication channel.



Make sure each termination shunt is on **both pins** if the device **is the last one** on the communication channel.

Replacing a module

1. Loosen the screws in the front cover and then open it.
2. Locate the RS485 Module inside the control. Refer to the installation guide for your control.
3. Unplug the communication connector from the existing module
4. Gently remove the module.
5. That this is the last device on the communication channel,
6. Remove the communication connector from the new module.
7. Plug the new module into the communication board, in the same location as the previous one.
8. Connect the existing communication connector and wiring to the new module.
9. Verify that communication channel is functioning properly. For information about how to verify communication using Tool Kit, read the *Troubleshooting* section in the back of your **OMNI-Select user manual**.
10. Close the cover and then tighten the screws.

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