



FdxCompact FX-RS485-C

2 port RS485 extension module
for the FX-3000-C controller



- Screwless installation
(click on DIN-rail)
- Push-in spring connectors for cables
- Each port can have its own independently
parameterisable speed, parity and protocol

Extend communications

The FX-RS485-C module is designed to offer 2 additional RS485 ports to the FX-3000-C controller.

This means the FX-3000-C can become even more of an integration platform by offering connections at different speeds, parity or even using an entire different communication protocol.

Each port can be independently parametrised on the FX-controller to offer full flexibility.

Technical features

Dimensions:	113 x 78 x 19 mm
Weight:	69 gr
Power consumption:	xxx mA
Operating temperature:	0 to +40°C
Storage temperature:	-40 to +85°C
Maximum relative humidity during operation:	90%, no condensation

Power supply: Power to the module is provided through the 20-way flat flex cable that is connected to the FX-3000-C controller.

Use: The FX-3000-C controller has one built-in serial port (RS485). Using the click-on connector inside the DIN rail, this port is pre-wired and ready for use out-of-the-box. The FX-RS485-C module can be used to add 2 more RS485 ports to the FX-3000-C controller.

Connecting the module: Before opening or connecting anything, disconnect the power from both the FX-RS485-C extension module and the FX-3000-C controller. Wait about 30 seconds for the controller to empty the capacitor and save all volatile data into memory.

- ① Remove the sticker on the side of the FX-3000-C controller to access the connection port and open the connector by moving the black tightening plastic about 2mm to the right.

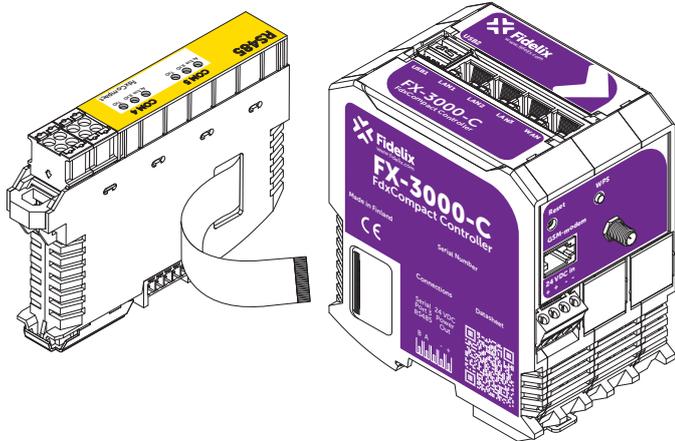
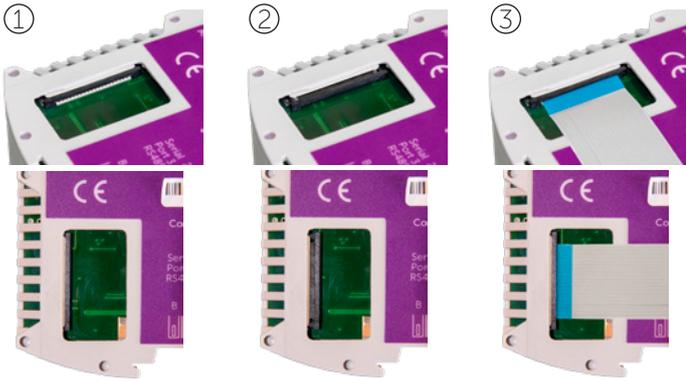
Take the 20-way flat flex cable that is attached to the FX-RS485-C module and sticks out about 2 cm from its back side. Pull out the flat flex cable. It is approximately 10 cm long when pulled out of the module encasing.

Gently slide it into the connector on the controller, all the while making sure the black tightening plastic stays in the open position. Approximately half of the blue cable ending should still be visible when the flat flex cable is properly positioned.

- ③ Slide the black tightening plastic of the connector on the FX-3000-C controller towards the end of the flat flex cable to lock the cable onto the PCB of the controller.

The module and the controller can now be clicked onto the T-bus connectors on the DIN rail. Note that the FX-RS485-C module has a DIN-rail connector without connections at the bottom of the module.

The connector is used to pass along power and the communication from port 3 of the FX-3000-C to subsequently connected modules or other devices.



LEDs: The module has 3 LEDs for each RS485 channel; 1 indicating that the module is powered up and the port is ready to be used by the FX (marked "Active"), and then 1 Rx/D/TxD set, indicating the receiving/sending of information on the RS485 channel.

Power consumption: The module uses up to xxx mA depending on the load on the bus.

Other: ...

