FDPI-02 diagnostics and panel interface

Safety

⚠ **WARNING!** Follow the safety instructions of the manuals delivered with the drive. Ignoring the safety instructions can cause injury or death.

Product overview

FDPI-02 diagnostics and panel interface is used for branching the RS-485 panel bus and chaining a control panel or PC tool to several drives.

The interface unit provides a feed-through connection between a control unit and an F-type option module. It is compatible with the ZCU-xx and BCU-xx control units. The interface unit is installed in an option slot of the control unit. A small F-type option module can then be installed on top of the interface unit.

The interface unit has one RJ-11 and two RJ-45 connectors. The RJ-11 connector is used for connecting the control unit. The RJ-45 connectors support a daisy chain bus for connecting a PC or a control panel (simultaneous control panel and PC communication is not allowed).

Bus termination is required to prevent signal reflections from the bus cable ends. The interface unit has a bus termination switch for the panel/PC cable. If the unit is the first or the last unit of the bus, the termination switch must be in the TERMINATED position. If a control panel is connected to the bus end, it terminates the bus and only the other end must be terminated by termination switch S1. For a termination example, see section *Panel bus termination and chaining examples* on page *25*.

■ **Layout**

The following figures show the layout of the interface unit.