

FC-FI-1 FireClass Field Interface Board for the FC602S and FC602S Scandinavian Panels

Part No. 557.200.661

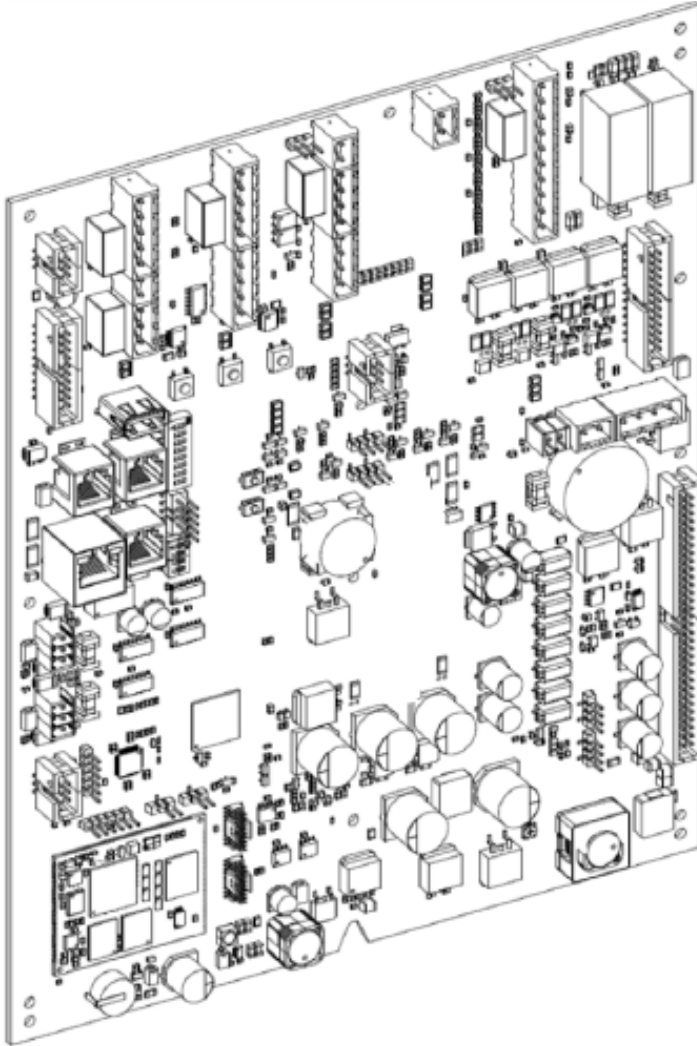


Fig. 1: FC-FI-1 - Field Interface Board. The FC-FI-1 is used in the FC602S panel and the FC602S Scandinavian panel.

Introduction

The FC-FI-1 provides the main control function of the fire detection panel (detectors, alarm outputs), communication (RS232, RS485, Ethernet), inputs and outputs, power management, battery testing and charging.

Replacing the FC-FI-1 board of the FC602S or FC602S Scandinavian panels



NOTICE

Switch the panel off during the installation procedure.

To remove the FC-FI-1 board from a FC602S panel, complete these steps:

- 1 Disconnect the pair of batteries.
- 2 Record all of the connections, jumper configurations, and DIP switch settings of the existing FC-FI-1 board.
- 3 Remove all the connections, including the NBUS, loops, PSU, battery, and supervised inputs.
- 4 Remove the existing board by unscrewing the ten sets of screws and washers attaching it to the panel housing. Refer to items 3 and 4 in Fig. 2.
- 5 To mount the new FC-FI-1 board, fit the groove at the base of the board (Item 5 in Fig. 2) into the metal dowel located at the back wall of the panel housing.
- 6 When the board is resting on the metal dowel, line it up and screw the top three bolts first.
- 7 Screw the other bolts in place.
- 8 Set the same jumper and DIP switch configuration as the previous board.
- 9 Connect all the cables to the board.

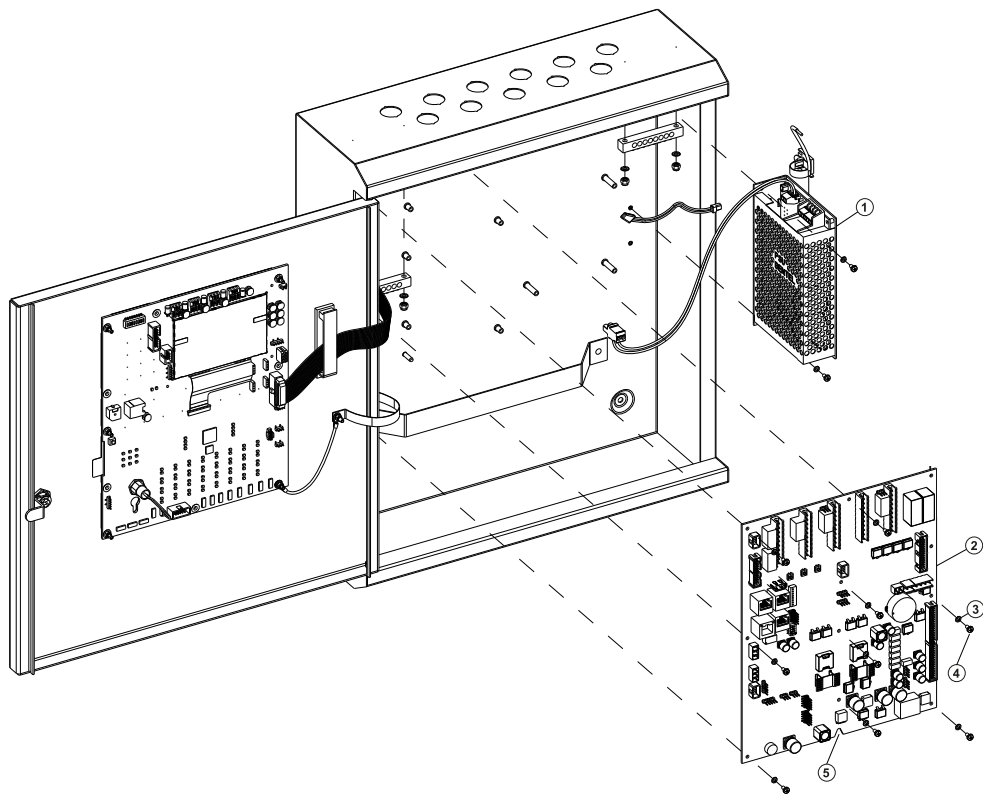


Fig. 2: FC-FI-1 in a FC602S or FC602S Scandinavian panel

- 1– BAW75T24 PSU
- 2– FC-FI-1
- 3– Shake-proof 3mm washer
- 4– ISO7045 screw 3mm
- 5– Groove

Removing the FC-FI-1 from a FC602S or FC602S Scandinavian panel

To remove a FC-FI-1 board from a FC602S panel, see steps 1 to 4 in the procedure “Replacing the FC-FI-1 board of the FC602S or FC602S Scandinavian panels” on page 2.

Firmware update

If a FC-FI-1 firmware update is required, refer to the steps in the relevant Technical Information Bulletin (TIB).

Making final checks

Make the following checks:

- The power and signal cabling is connected securely, with the correct polarity.
- The power and signal are neatly routed and arranged in the housings.
- The earth cables are connected securely.
- The installed cables and signal wires are adequately labelled.
- The housings are clean and tidy. For example, make sure that all wiring offcuts are removed.
- MX Loops are resilient to noise and approved for use without screened cables, however, screened cables may provide further resilience in harsher environments. If using screened cables, the screen or metal sheath must not be connected to the addressable loop conductors and must be floating relative to earth. It is not necessary to interconnect the screen or sheath between devices.