FC-FI FireClass FC700 Series Field Interface Board

Part No. 557.200.961

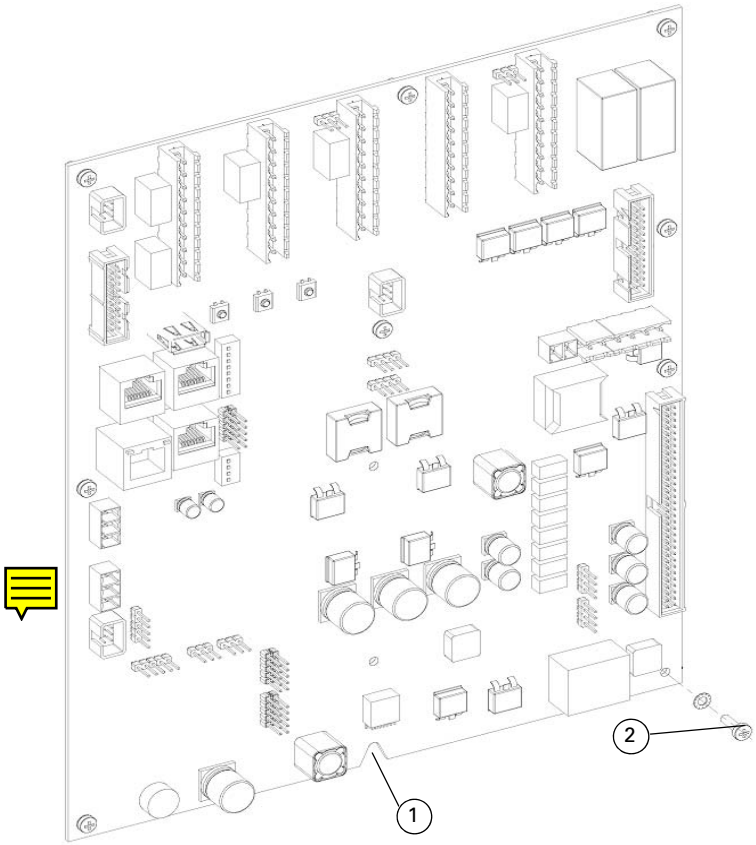

Fig. 1: FC-FI Field Interface Board
1– Groove (to align and rest the board on while screwing it in place)
2– Bolts (9 in total on the FC-FI)

Introduction

The FC-FI 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.

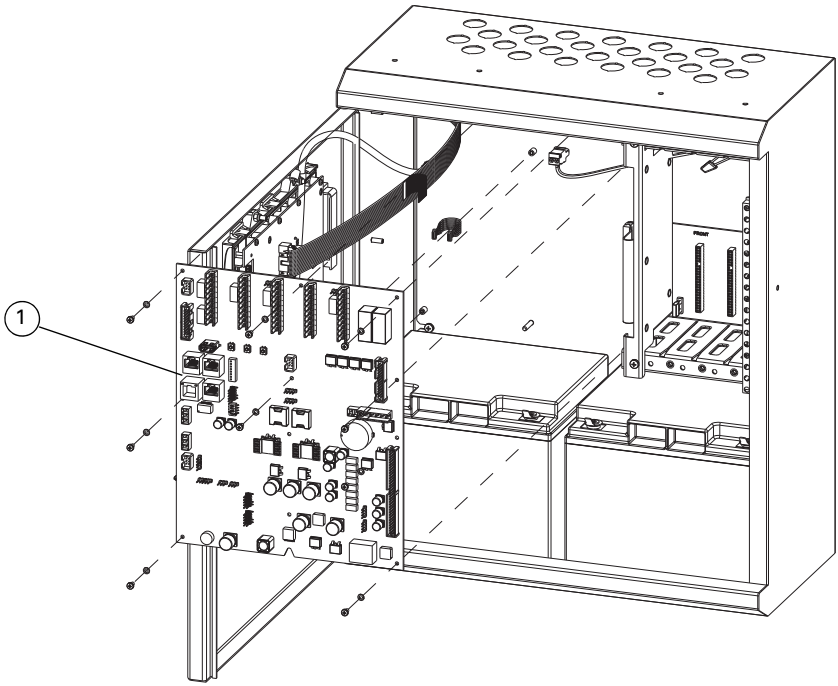

Fig. 2: FC700 Series panel
1– FC-FI Board

Replacing the FC-FI board

NOTICE

Switch the panel off during the installation procedure.

To remove the FC-FI board from FC700 Series 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 board.
3 Remove all the connections, including the NBUS, loops, PSU, battery, and supervised inputs.
4 Remove the existing board by unscrewing the nine bolts attaching it to the panel housing. Refer to Fig. 2.
5 To mount the new FC-FI board, fit the groove at the base of the board (Item 1 in Fig. 1) into the metal dowel located at the back wall of the panel housing.
6 Once the board is resting on the metal dowel, line it up and screw the top three bolts first.
7 Screw the other six bolts in place.
8 Set the same jumper and DIP switch configuration as the previous board.
9 Connect all the cables to the board.

Firmware update

If a FC-FI 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.
- FireClass 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.

120.515.862_FC-FC700-AP-FCFI-F, doc. version 1.0, 11. July 2019

www.fireclass.net
Tyco Fire & Security GmbH, Victor von Bruns-Strasse 21, 8212 Neuhausen am Rheinfall, Switzerland