USER MANUAL

PCB replacement guide

Ixx24-BF

1 Introduction

This document describes how to replace the print circuit boards (PCB) in an Ixx24-BF unit from Val Controls.
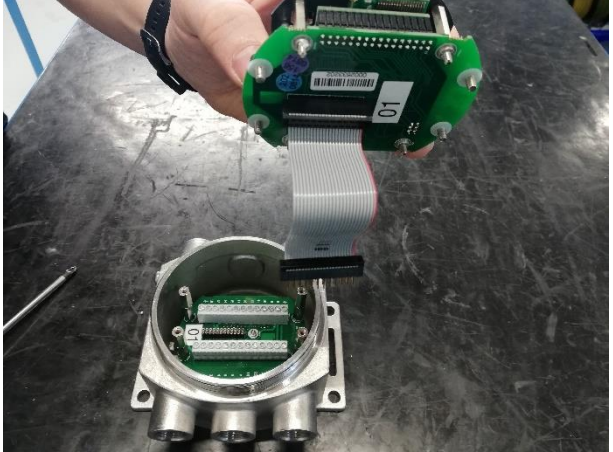
IMPOTRANT

The Boards a delivered as pairs of PCBs which must not be interchanged, as the boards has been calibrated during the production at Val Controls.
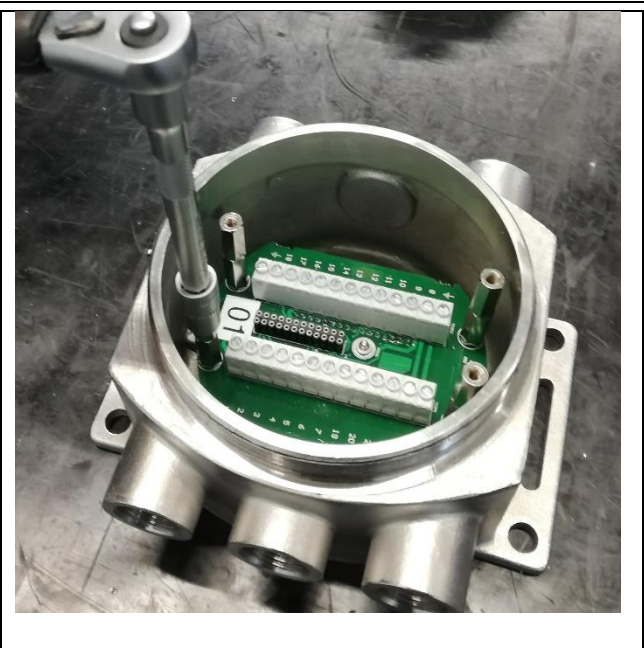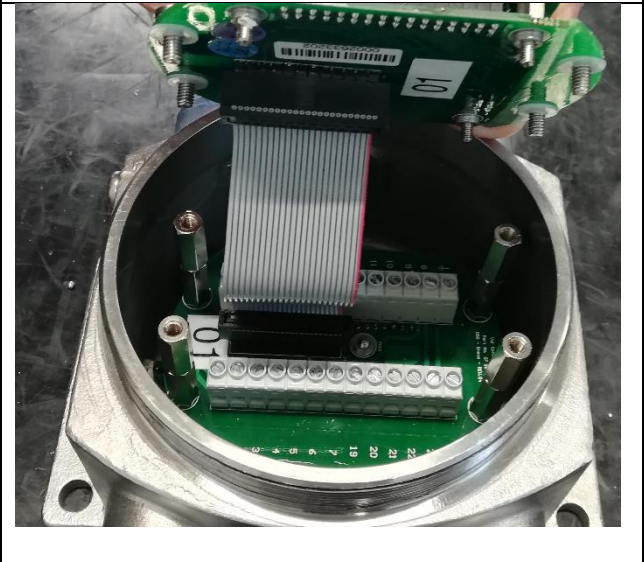
If the unit was burned due to wrong wiring it is important to fix the wiring before swapping out the PCB

1.1 Required tools

- Slot screwdriver
- Double-slot screwdriver
- 7 mm hexagon nut driver

2 PCB replacement procedure

1	Disconnect power from the unit	
	Remove the lid of the unit	
2	Unfasten the 4 cross screws in the board below the display. Unfasten the first screw one turn, then move on to the next and start over after number 4 and keep going until all screws are free. This is to avoid stress on the board. Do not unfasten the screws in the front plate.	
3	Remove the top PCB and gently disconnect the ribbon cable connecting the PCBs	

4	Disconnect the wires in the terminals Unfasten the four spacers with a 7 mm hexagon nut driver	
5	Remove the button PCB and replace it with the spare part Connect the wires again Fasten the 4 7 mm spacers	
6	Connect the ribbon cable as shown on the picture.	

7	Position the new top PCB with the screws just above the spacers Gently turn one screw at the time until it is properly connected to the spacer Tighten each screw a little and move on to the next and continue until the four screws are tightened	