
Technical Bulletin

Metrodata FM4850 Fuse Replacement

TB No	TB 9	Metrodata FM4850 Fuse Replacement
No of pages	2	For use by Service Engineers only.
Feb1998	Part No	79-02-004A

USAGE!

This Bulletin is for the assistance of qualified Service Engineers, and the work described should not be attempted by End Users of the products.

WARNING !

The FM4850 product contains static sensitive devices. Work should be carried out at a properly equipped anti-static station by personnel wearing anti-static straps.

INTRODUCTION

This Bulletin describes the procedure for replacing the fuse inside the Fm4850 DSU.

ITEMS REQUIRED

- 1 x Posi-drive No.1 screwdriver
- 1 x20 mm 3.15A fuse
- 1 x M3 socket spanner

OPENING THE SHELF UNIT

WARNING !

Switch off the mains power and disconnect the power cord before proceeding with the following instructions.

- 1) Remove the 7 x M3 countersunk screws which attach the front panel to the top cover (the screw over the mains connector is never inserted).
- 2) Remove the 3 x M3 countersunk screws on each side of the DSU which hold the top cover on and the rack mounting ears in place. The rack mounting ears will now be free of the unit top
- 3) Lift the cover off the shelf unit.

CHANGING THE FUSE

- 4) View the FM4850 unit from the rear panel. Inside, at the left side you will see a silver box assembly. This is the power supply.
- 5) In each corner of the unit's rear panel, there is an M3 Phillips headed screw. Remove the screws at the left hand side, and loosen the screws at the right



Technical Bulletin

hand side. This will loosen the rear panel enough for you to remove the power supply unit without dismantling the unit completely.

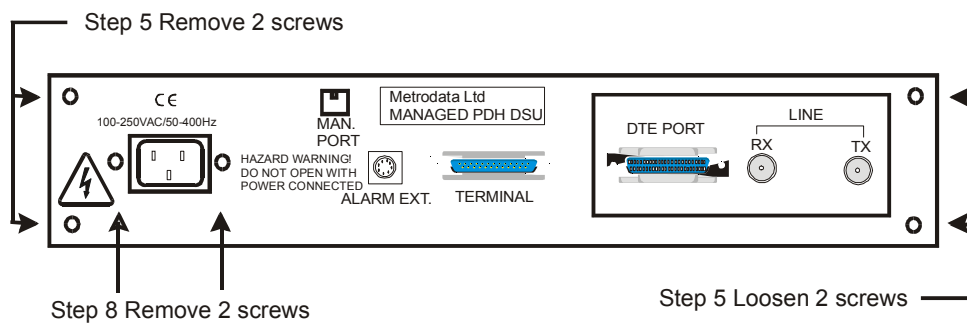
6) Remove the 6 xM3 nuts with shakeproof washers which hold the power supply unit onto the FM4850 baseplate.

7) Disconnect the power leads from the power supply to the motherboard.

8) Remove the 2xM3 Phillips screws the hold the power supply onto the rear panel.

9) Lift the power supply unit, raising the front at a slight angle, whilst gently easing the rear panel away from the power supply unit. Now lift the power supply unit out of the FM4850.

10) Turn the power supply upside down to expose the circuitry inside. The fuse is situated on the right hand side of the Mains input power connector, which has blue and brown leads .The fuse is a 20mm glass encapsulated type. Lift the fuse using a screwdriver blade, being careful not to break the glass. Replace the fuse with a new one.



FM4850 Rear Panel Schematic

RE-ASSEMBLY

9) Re-assemble the shelf unit by following steps 1-9 in reverse order i.e. carry out steps 9, 8, 7, 6, 5, 4, 3, 2, 1 as described above.