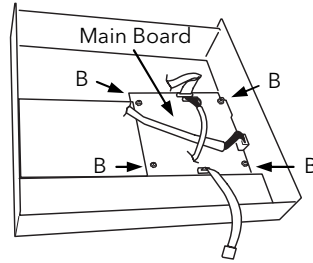
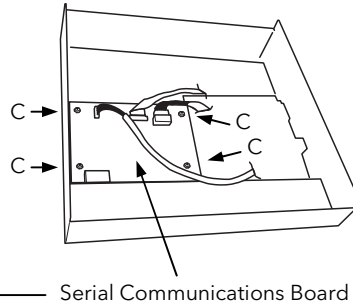


TO CHANGE THE MAIN AND COMMUNICATIONS BOARDS

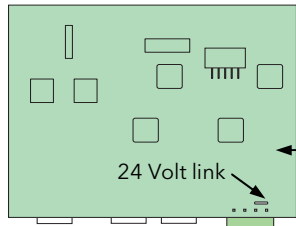
With the display lifted as shown on Page 2, disconnect all remaining harnesses, looms and flexible cables from the main board. The main board may now be removed by undoing the four securing screws 'B'.



The serial communications board may be removed in a similar way by removing screws 'C'.



The link joining the two 24V input terminals can be cut without removing the board. This would normally only be done if 'redundant' power supplies are to be used.



Serial Communications Board

RE-ASSEMBLY HINTS

The re-assembly of the instrument is achieved by carrying out the reverse of the disassembly procedure.

Care must be taken to ensure that flexible cables are correctly and fully inserted into their connectors.

Eurotherm Ltd

Faraday Close, Worthing, West Sussex,
BN13 3PL

Tel: +44 (0)1903 268500

Fax: +44 (0)1903 265982.

email: info.uk@eurotherm.com

Web: <http://www.eurotherm.co.uk>

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Service Instructions

Models 6180XIO , EYCON-20

INTRODUCTION

This document describes the disassembly and re-assembly instructions for the above instruments to allow the replacement of the display unit, the main board and the serial communications board.

SAFETY PRECAUTIONS

Ensure that the unit is isolated from the supply voltage for at least 15 minutes before starting to work on it. This will allow the high voltages associated with the inverter board to dissipate safely and will also allow the power supply unit to cool down. The user should be aware, however, that areas of high temperature may exist even after this period has elapsed.

STATIC ELECTRICITY

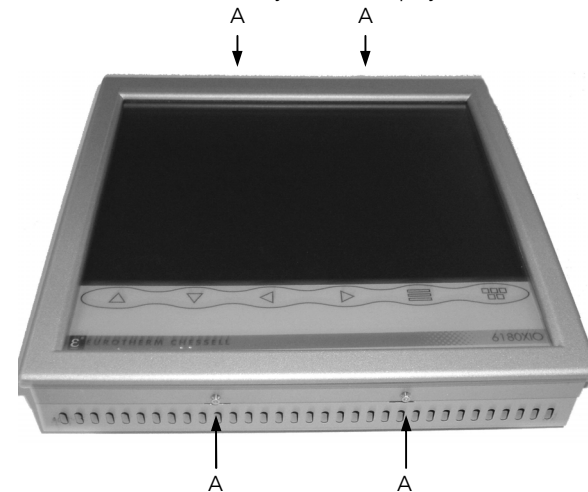


CAUTION

These procedures may involve the handling of components which are susceptible to damage caused by the discharge of static electricity. All relevant personnel must be aware of static handling procedures.

REMOVE THE FRONT COVER

With the instrument removed from the panel, undo the four Torx-headed screws (A) . These screws secure both the front cover assembly and the display unit.

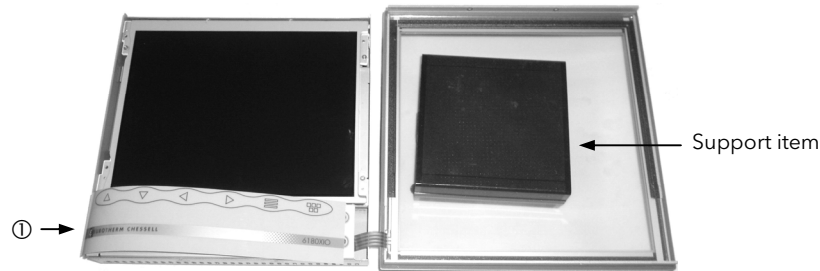


REMOVE THE FRONT COVER (CONTINUED)

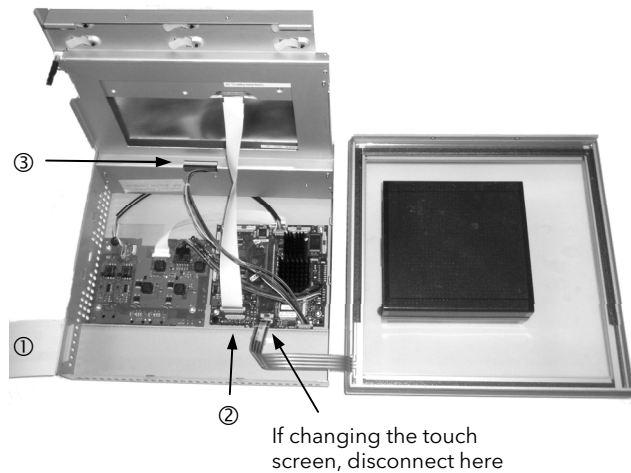
Carefully lift the front cover away from the chassis by folding it to the right hand side taking care not to twist or strain the orange ribbon cable.

It may be found convenient to rest the cover next to the chassis on a support of similar depth to the chassis.

Fold the keypad ① to the left of the unit.



Lift the display unit up and away from the chassis.



Disconnect the white ribbon cable ②. This is held in place by a 'clamp' on the top of the connector. It is necessary to lift this up to release the cable.

Disconnect the display power harness ③ from underneath the display unit housing and retain for further use. This may be done using a small screwdriver to carefully lever out the connector from behind the plate.

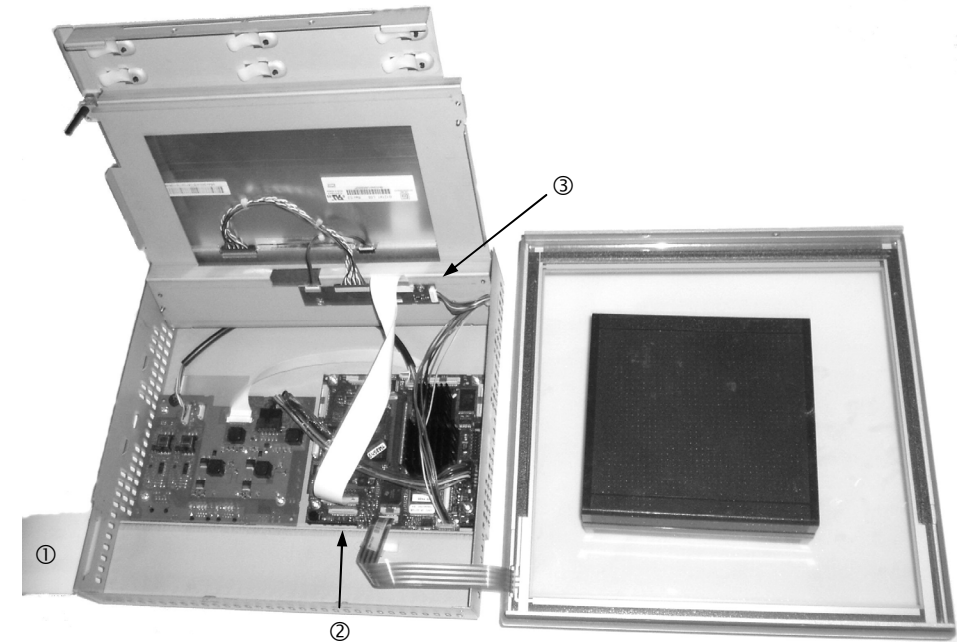
FIT THE NEW DISPLAY UNIT

Remove the protective cover from the front of the screen but take care that dust or other marks are not introduced to the screen.

Replace the old display unit with the new display unit as shown in the diagram.

Connect the white ribbon cable ② to the connector on the main board making sure that the conductor side faces towards the top of the unit. Push down the clamp on the top of the connector to secure the cable.

Re-connect the display power harness ③ to the inverter board and the main board as shown in the diagram.



Fold the new display unit forward so that it sits inside the chassis.

Fold the front cover back over the display unit taking care to feed the orange ribbon cable into the chassis.

Fold the keypad back over the front of the display unit assembly.

Re-fit the four Torx-headed screws (A).