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## **Addition of M800 option boards Installation and Maintenance Instructions**

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### **1. General safety information**

Your attention is drawn to the M800 Installation and Maintenance Instructions (IM-P331-06) and in particular the Safety Information within Section 1, which must be read before attempting work on the unit.

It is important that anti electric static discharge procedures are followed.

The option boards are sensitive to static electricity discharge and as such special handling precautions must be taken to prevent damage to the units.

The option boards must only be changed by competent persons, who must wear an anti-static wrist strap (see Figure 1) fitted with a crocodile clip.



**Fig. 1**

After removing the M800 cover, (see the M800 Installation and Maintenance Instructions - IM-P331-06) the crocodile clip **MUST** be clipped to the earth connection and remain attached until the installation of the option boards is complete.

**DO NOT** remove the option boards from the anti-static bag (silver or black) until the crocodile clip is attached to earth.

Option boards must be fitted into the housing immediately after removal from the bag. Placing the printed circuits on any surface before fitting them into the M800 may permanently damage them.

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## 2. Fitting of option boards

1. Isolate the power from the M800. **Note:** Insertion of an option board with the power still applied to the unit could permanently damage the M800 and option board.
2. Remove the front cover 'c' as described in the M800 Installation and Maintenance Instructions - IM-P331-06.
3. Disconnect the connectors TBK4, TBK2 and TBK3.
4. Remove the option board securing screw from the main PCB.
5. Carefully slide the option board into one of the two slots on the back of the front cover. (see Figure 2)
6. Secure the board to the main PCB using the option board securing screw.
7. Reconnect the connectors TBK4, TBK2 and TBK3.
8. Replace the front cover.

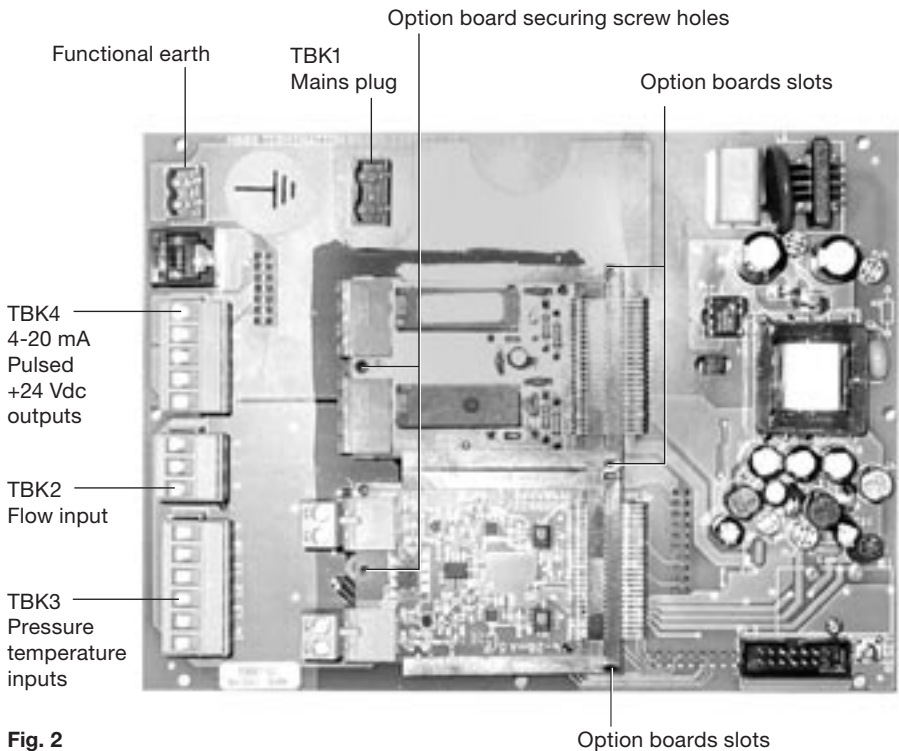


Fig. 2

### Note:-

Two option boards can be fitted at the same time, however it is only possible to have a maximum of one dual 4-20 mA re-transmission option board fitted and a maximum of one Modbus RTU communications option board fitted.

It is possible to fit two dual relay alarm option boards at the same time.

For electrical installation of option boards please see the M800 Installation and Maintenance Instructions - IM-P331-06.