

## M750 Option Pods Installation and Maintenance Instructions

### Safety information

Your attention is drawn to any National or local regulations.

This product is designed and constructed to withstand the forces encountered during normal use. Use of the product other than as a display unit could cause damage to the product, and may cause injury or fatality to personnel.

This document should be read in conjunction with IM-P332-07. Failure to do this could result in damage to the product.

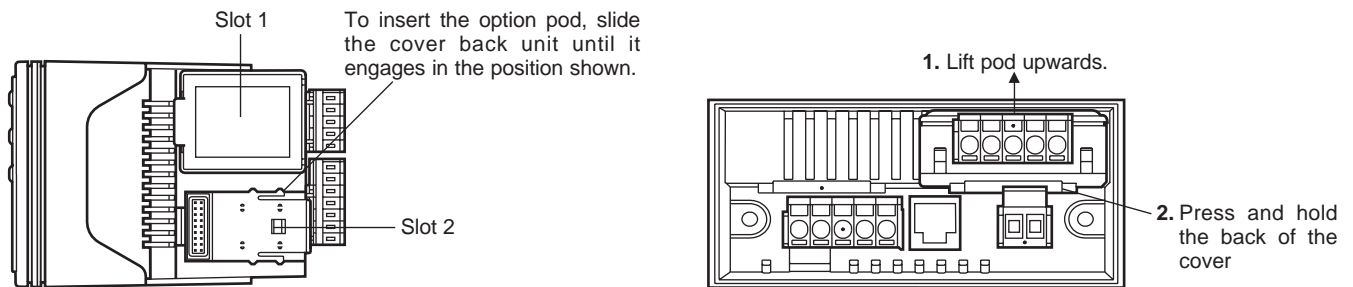
## 1. Option pods - Installation

### Installing pods

Disconnect the power from the unit before adding/removing a pod.

**Caution:-** Referring to Figure 1, Slot 1 (alarms 1A and 1B) should be positioned on the left side of the unit looking from the front to correspond to the front panel alarm indicator; Slot 2 (alarms 2A and 2B) is positioned on the right.

To install an Option Pod, slide back the cover to expose the connector socket and plug in the pod.



**Fig. 1 Note:** To remove an Option Pod, press the bar below the pod connector and at the same time pull the pod upwards.

### Dual relay pod

The relay terminals and associated internal circuitry are isolated from all other parts of the equipment in accordance with BS EN 61010-1, for connection to an installation over-voltage Category II supply (pollution degree 2). The relay operating voltage and current must remain within the limits stated.

Cable used should be 600 Vrms cable between 0.5 mm<sup>2</sup> (0.02"²) and 1.5 mm<sup>2</sup> (0.06"²)

The relay pod has two 'change over' relays with a common connection, see Figure 2.

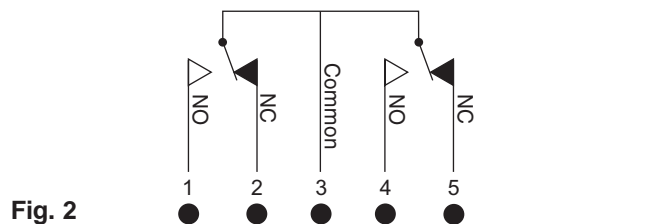
**Note:** Any circuit with an ac potential greater than 33 Vrms and 46.7 V peak must be protected with a 5 A(T) fuse when connected to this pod.

### Alarm/relay states

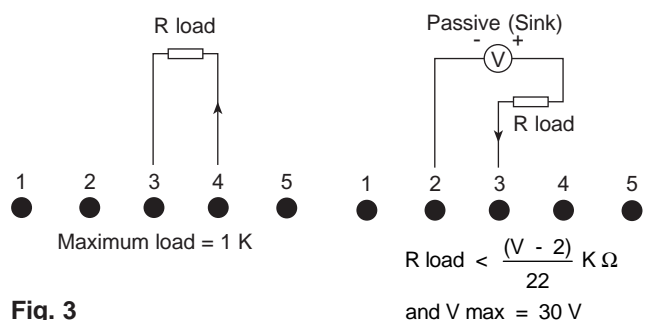
The alarm and relay states can be configured within the configuration mode via the 'InVrt' setting.

### Isolated 4-20 mA retransmission pod

The retransmission pod (when fitted) is designed to provide 0-10 mA, 0-20 mA or 4-20 mA output in active or passive modes. The output can be any proportion of the display range. The pod can be used in two modes (see Figure 3).



**Fig. 2**



**Fig. 3**

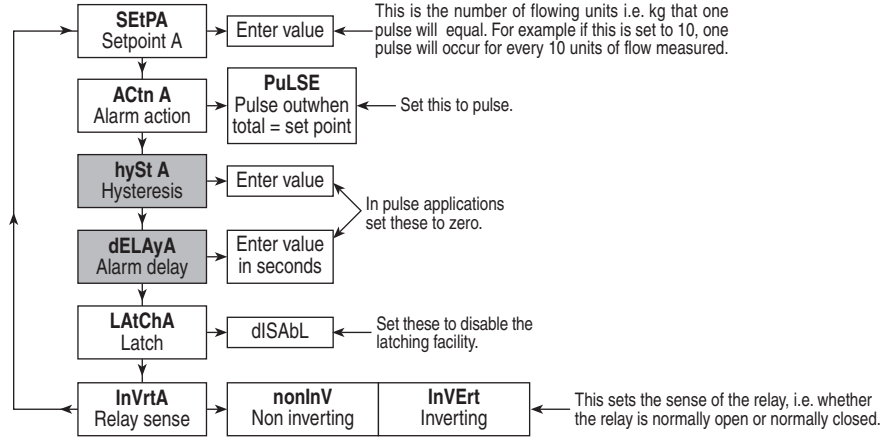
## 2. M750 outputs

The menu displayed depends upon the option pod fitted to the M750. To commission the M750 outputs, the following Steps should be followed in conjunction with the general menu structure in IM-P332-07 (Section 3.9).

### Relay output menu

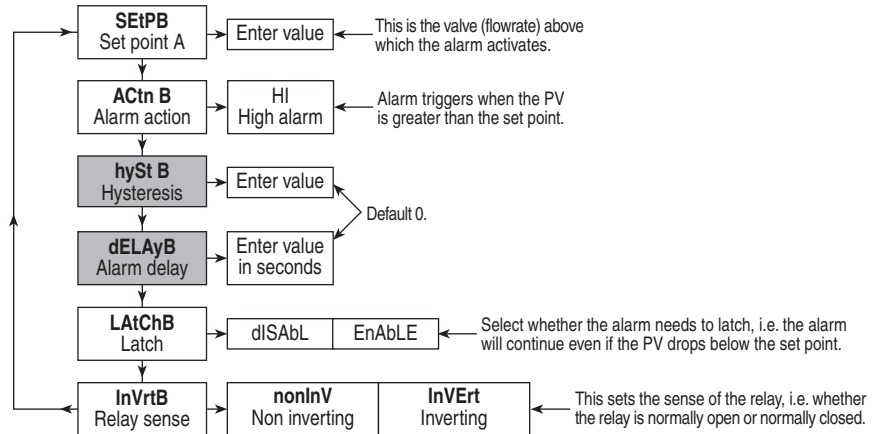
The relay outputs can be set to operate as simple alarms or a pulsed output. There are two relay outputs per pod. The menu structure below describes setting one of the relay outputs as a pulse output and the other as an alarm which activates when the flow goes above a pre-determined value.

#### Relay A set as pulse output



#### Relay B set as a high flow alarm

The following menu describes setting the output relay B to alarm if the flowrate goes above a pre-determined maximum.



### Retransmission (mA) output menu

The following menu details the setting of the 4-20 mA output on the M750 to give a 4-20 mA output equivalent to the range of the attached flowmeter.

**Note:** If the input goes out of range, the mA output goes to 21.5 mA by default.

