



Before fitting the module, these Fitting Instructions should be studied carefully. The installation and operation should also be in accordance with local regulations and accepted codes of good practice. For further information, see Installation and Operating Instructions for the pump UPE Series 2000.

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1. General Description

The fault signal module MA 80 is an expansion module for UPE 25-80, UPE 32-80 and UPE 40-80.

Via an internal relay, the fault signal module gives access to a potential-free fault signal.

In addition to this fault signal output, the module has three inputs for external signals for the forced-control functions:

- Start/stop of pump.
- Max. curve duty.
- Min. curve duty (night-time duty).

2. Electrical Connection

The electrical connection and protection should be carried out in accordance with local regulations.



Never make any connections in the pump terminal box unless the electricity supply has been switched off.

The module must be earthed.

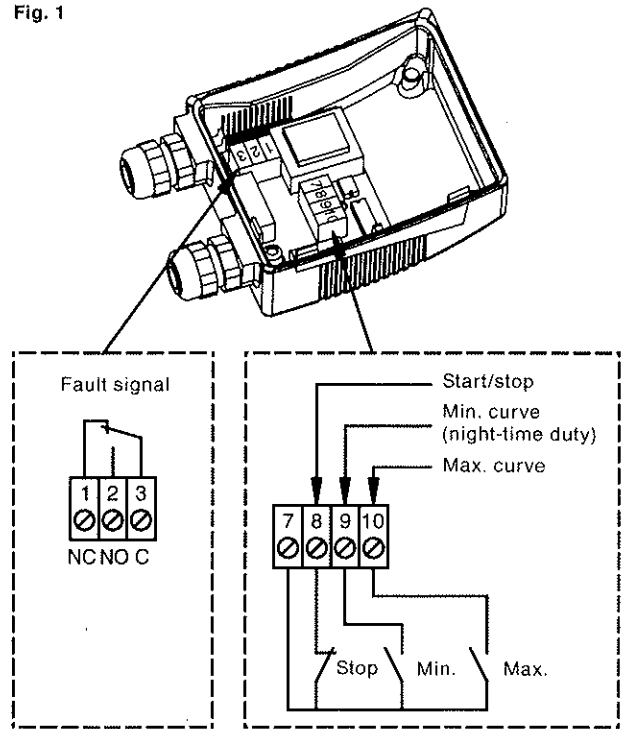
Carry out the mains connection as shown in fig. 1.

Note: If no external on/off switch is connected, the connection across terminals 7 and 8 should be maintained.

As a precaution, the outputs from terminals 1, 2, 3 and the inputs to terminals 7, 8, 9, 10 are separated from each other and from the supply by reinforced insulation. It must be ensured that the wires to be connected to these outputs, inputs and the supply are separated by reinforced insulation throughout the entire length. All leads connected to a terminal block must be tied up at the terminals.



Fig. 1



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