

Watson-Marlow Bredel Pumps

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Members of the Spirax-Sarco Engineering Group

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Safety



In the interests of safety, this device should only be used by competent, suitably trained personnel after they have read and understood this operating instruction, and considered any hazard involved.

Any person who is involved in the installation or maintenance of this equipment should be fully competent to carry out the work. In the UK this person should also be familiar with the Health and Safety at Work Act 1974.

Declarations

Declaration of incorporation

When the device is to be used with any Watson-Marlow drive unit or any customer's drive unit, or is to be installed into machines or assembled with other machines for installations, it must not be put into service until the relevant machinery has been declared in conformity with the provisions of the Machinery Directive 98/37/EC EN60204-1.

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Overview

This device has been introduced to enable the feature of zero volt switched contacts to indicate motor run or stopped, in addition to the existing Hi/Lo logic output. This action has been achieved by fitting an integral relay and associated circuit into a 25D adaptor.

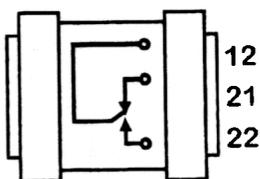
It may be used direct on the 505U, 505Du, 505Di and 205U, it can also be used on the 504Du, 605Di and 704U with a suitable adaption to connect it to the spring cage clamp.



Connections

When the adaptor is inserted into the 25D socket of relevant drive units, all the existing pin functions and numbers have been brought through to enable their function to be selected from the adaptor socket.

New functions:-



Pin number	Function
12	Common
21	Normally closed
22	Normally open
Maximum contact ratings	
1A at 30Vdc (30w)	
0.5 at 110Vac (60VA)	

When using the RSA with the 505Du, 605Di, 704U a second adaptor will be required to connect it to the spring cage terminal on the rear of the drive. Solder the wires to the same pin number in the 25 'D' plug and shell as the number indicated for the spring cage terminal connection.

