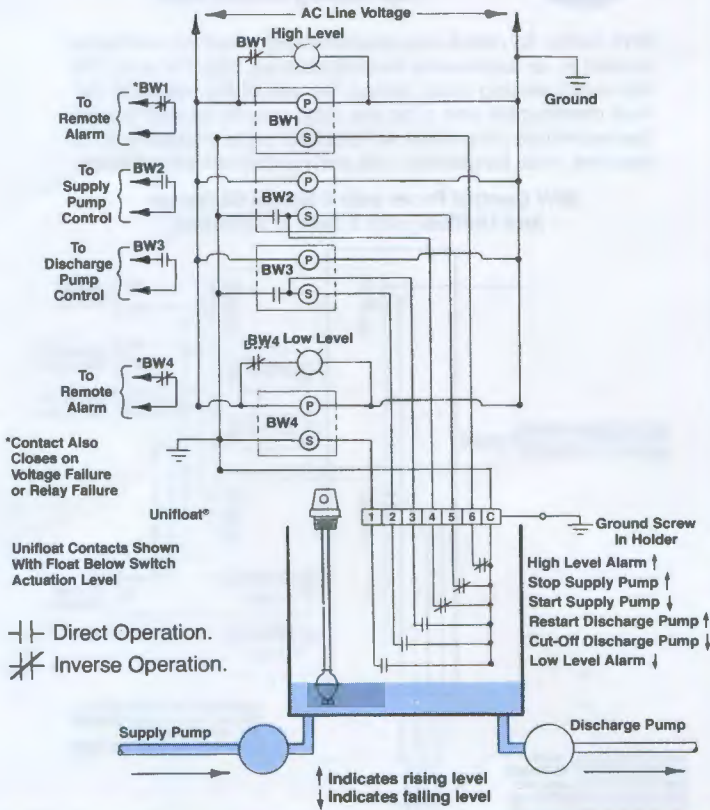
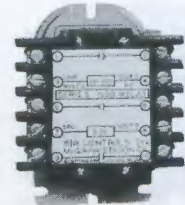


APPLICATIONS WITH B/W INDUCTION RELAYS

Several typical applications with the Type C reed switch are illustrated on the line diagram below. The switch contact is rated 10 watts at a maximum of 120 volts AC or DC, and while some small loads such as pilot lights may be directly operated, most applications will require control relays. The B/W induction and solid state relays have unique characteristics which make them ideal to provide power supply isolation while at the same time providing multiple pole heavy duty load contacts.



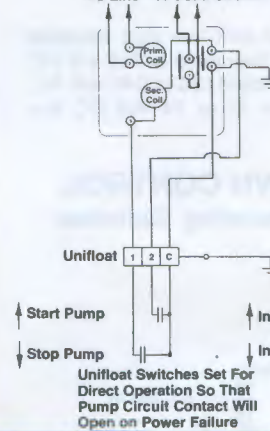
Load Contacts
 1 HP 120 or 240 VAC
 Single Phase or
 25 Amp Resistive



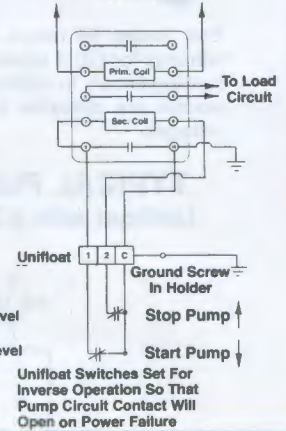
Type 1500-F Relay
 See Catalog Section 1500

B/W induction relays can be located at considerable distance from the Unifloat and their sensing circuits to the reed switches are low energy permitting the use of small gauge ordinary wiring. Recommended secondary coils are: 24 volts which requires only Class 2 wiring or 40 volts which will operate up to 30,000 feet from the Unifloat.

PUMP DOWN OPERATION
 WITH OLD TYPE 1100-LH RELAY
 & TYPE C REED SWITCH



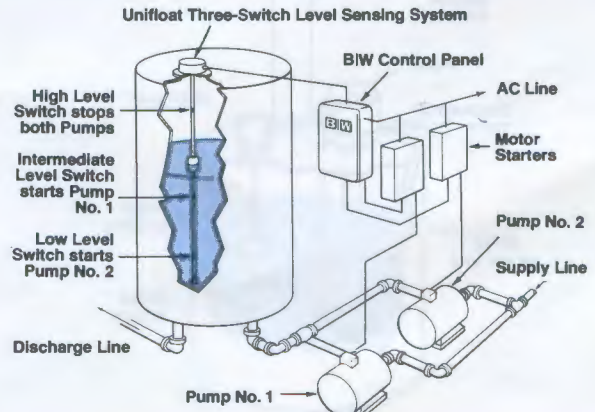
PUMP UP OPERATION
 WITH TYPE 1500-F RELAY
 & TYPE C REED SWITCH



FLOAT SWITCHES

TYPICAL UNIFLOAT TWO PUMP, PUMP UP CONTROL SYSTEM

Unifloat level control system at right is typical of those used in elevated, ground storage, and underground tanks. Latching reed switches in Unifloat guide tube actuate two B/W control relays which, in turn, start two pumps in a fixed sequence on falling level and stop both pumps at a common high level.



APPLICATIONS WITH BIW SOLID STATE RELAYS

SERIES 52 CONTROL RELAY



Type 5200-LF1-0C
10 Amp DPDT Load Contacts
See Catalog Section 5200

BIW Series 52 relays offer a choice of low voltage sensing circuits to the Unifloat switches. There is Type 5200-L with AC sensing used for most applications or Type 5200-H with DC sensing for long distance remote control either on private wires or phone circuits.

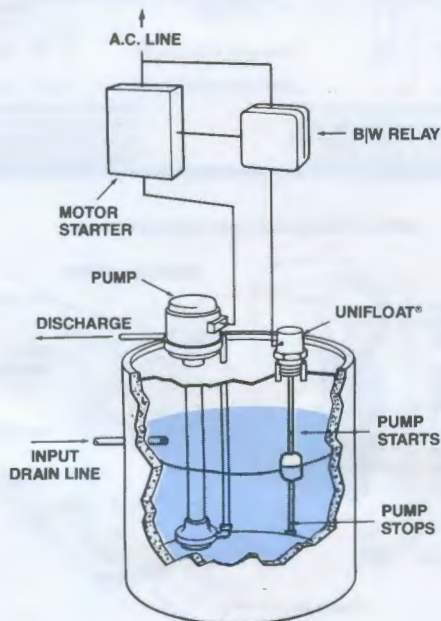
SERIES 56
SPECIAL PURPOSE RELAYS



Type 5600-11-0C
10 Amp SPDT Load Contacts
See Catalog Section 5600

BIW Series 56 relays are compact and low cost intended primarily for OEM applications, and they have a 17.5 volt DC sensing circuit. In addition to the standard 120 or 240 volt AC, models are available to operate on 12 or 24 volt DC line voltages.

TYPICAL PUMP DOWN CONTROL
Unifloat with 2 Direct Operating Switches



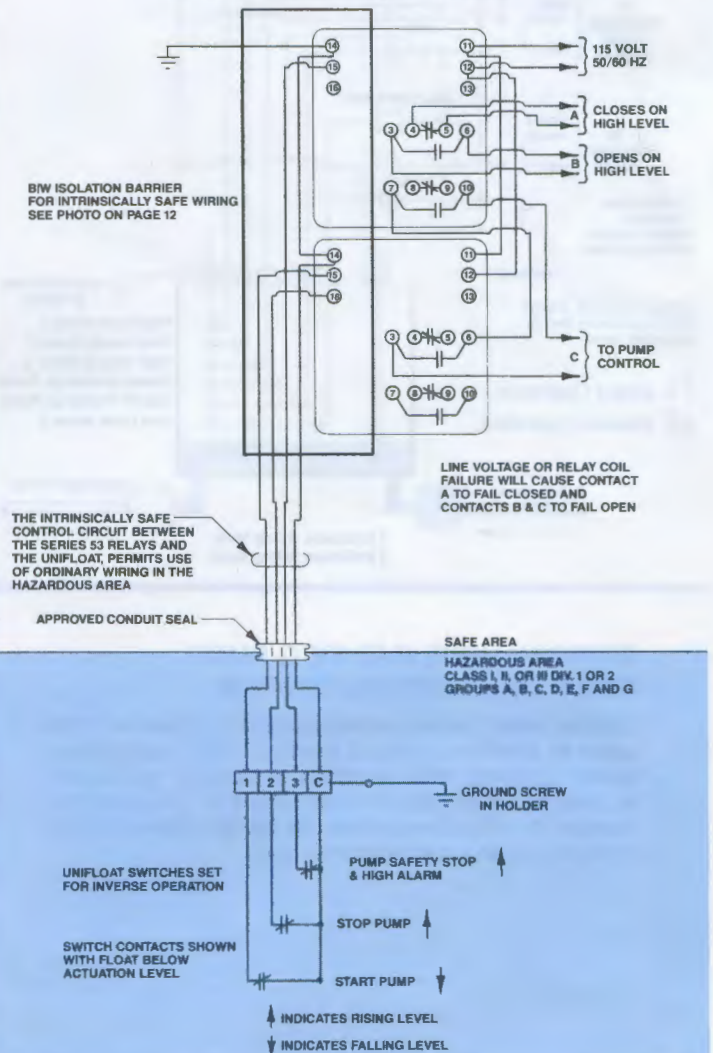
SERIES 53 CONTROL RELAY
With Intrinsically Safe Sensing Circuit



Type 5300-S-F1-0C Relay
10 or 25 Amp DPDT Load Contacts
See Catalog Section 5300

BIW Series 53 relays are recommended when the Unifloat is located in an explosively hazardous area. The FM and CSA approved sensing circuit allows the use of the standard Unifloat construction and often the relay can be located outside the hazardous area where an explosionproof enclosure is not required. Ideal for gasoline, oils and many chemical solutions.

BIW Control Panel with 2 Series 53 Relays
And Unifloat with 3 Type C Switches



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