



ELECTRICAL INSTALLATION

ALL INSTALLATIONS: The intrinsically safe float switch uses a hermetically sealed SPDT magnetic reed switch with contacts and connections as follows:

NORMALLY OPEN...(NO)	WHITE WIRE		OPEN CIRCUIT
COMMON CONTACT..(CC)	BLACK WIRE		
COMMON CONTACT W/RESISTER	BLUE WIRE		
NORMALLY CLOSED.(NC)	RED WIRE		CLOSED CIRCUIT

RECOMMENDATIONS:

1. The electrical connection of this unit into the pumping unit electric motor control, gas engine electrical system, or alarm system should be done by a licensed electrician, an engine mechanic, or instrumentation technician, respectively.
2. A Murphy 518-Tattletale or other latching safety switch should be used to prevent the pumping unit from starting up, for any reason, until the well has been checked by the pumper. The 518-APH can be used with either N.O. or N.C. contacts. An electrical schematic listings component recommended for use with the Murphy 518-APH is packed with each unit.
3. If the normally open contacts are used, the pumper should test the system periodically to ensure the electrical circuit is functionally properly. Damage to any part of a circuit using normally open contacts could prevent the circuit from functioning properly when required. Conversely, similar damage to a circuit using normally closed contacts should result in a “fail safe” shut down.
4. A low voltage control circuit should be used to provide longer contact life (contacts are rated 3 amps @ 28 VDC and 100 watts @110 VAC).

ELECTRIC MOTOR: WSI recommends that the normally closed contacts be used per the enclosed electrical schematic. This isolates the high voltage and provides a low voltage control to ensure the safety of operating personnel.

GAS ENGINE: The normally open contacts in the float switch can be used to ground out the coil and shut down the engine. The normally closed contacts can be connected to a separate alarm system. If high voltage ignition is being used, using the BLUE WIRE with built in resister is recommended.

SPACE & REPLACEMENT PARTS

If any parts are missing from the box, please contact your supplier. Parts may be obtained directly from WSI or where originally purchased. WSI maintains a stock of components and can ship most parts within 24 hours.

WARRANTY AND LIMITATION OF LIABILITY

WSI, Inc. warrants all products manufactured by it to be free from defects in material and workmanship under normal use and service. WSI's obligation under this warranty is limited to making good, at its factory, any part

or parts thereof, which WSI's examination shall disclose to its satisfaction to be defective. WSI, however, assumes no risk or liability for results of the use of the products purchased from it. No other express warranties are made, and all implied warranties are disclaimed and negated, including the Implied Warranty of Merchantability and the Implied Warranty of Fitness for Particular Purpose. WSI shall have no responsibility for incidental or consequential damages resulting from the use of its products.