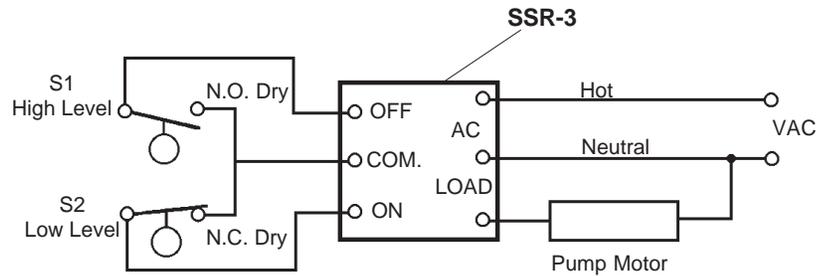




Wiring & Installation Diagram
for
SSR-3 Solid State Relay

Typical Wiring Diagrams
SSR-3: Providing Pump-Up/Pump-Down Control



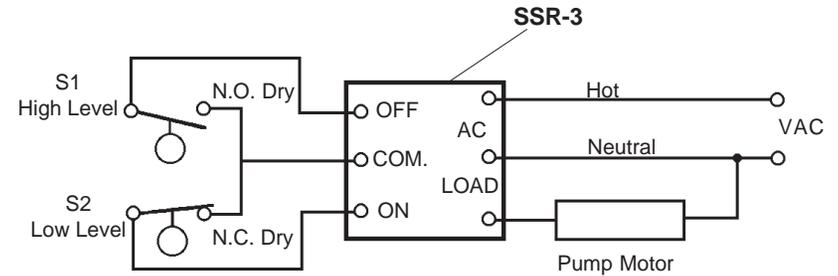
Refill: Low level permits S2 to close, starting refill pump. Rising level allows S2 to open and eventually closes S1 to actuate the SSR-3 "OFF" circuit and stop the pump motor. The SSR-3 "OFF" override assures pump shut-down even if S2 failed to open.

Pump-Down: with "ON" and OFF" connections of S1 and S2 transposed at the SSR-3, the pump is started by S1 and stopped by S2 at low level. The same "OFF" override prevails.



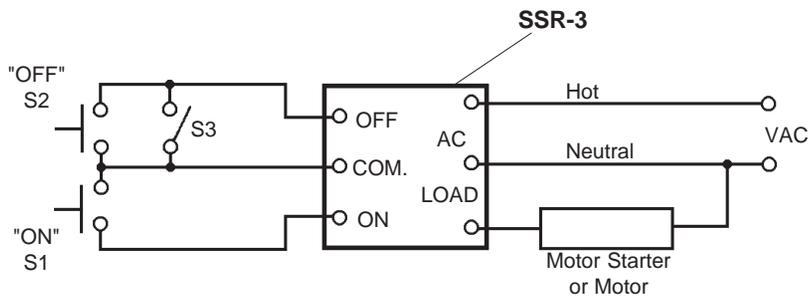
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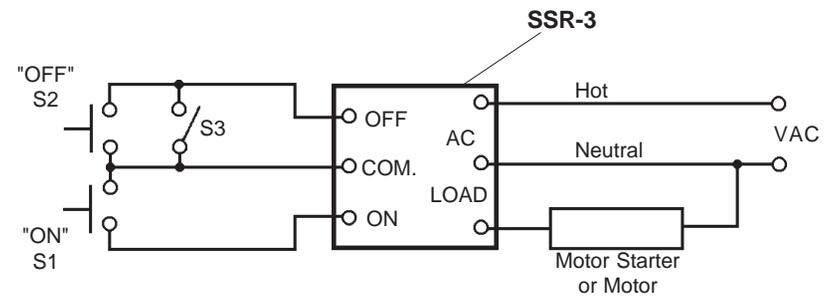


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With two normally open momentary contact push buttons (S1 and S2), the SSR-3 provides solid-state control of the motor starter or the motor itself.....if load requirements are within SSR-3 ratings. S3 provides a safety shut-down. With S3 closed, the "ON" push button (S1) is rendered ineffective by the "OFF" override feature of the SSR-3



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MAINTENANCE/REPAIR

Regular maintenance of the total system is recommended to assure sustained optimum performance. These devices are not field repairable and should be returned to the factory if recalibration or other service is required. After first obtaining a Returned Goods Authorization (RGA) number, send the unit freight prepaid to the following. Please include a clear description of the problem plus any application information available.

Dwyer Instruments, Inc.
Attn: Repair Department
102 Highway 212
Michigan City, IN 46360

Important Points!

Product must be maintained and installed in strict accordance with the National Electrical Code and Dwyer product catalog and instruction bulletin. Failure to observe this warning could result in serious injuries or damages.

An appropriate explosion-proof enclosure or intrinsically safe interface device must be used for hazardous area applications involving such things as (*but not limited to*) ignitable mixtures, combustible dust and flammable materials.

Pressure and temperature limitations shown on individual catalog pages and drawings for the specified products must not be exceeded. These pressures and temperatures take into consideration possible system surge pressures/temperatures and their frequencies.

Selection of materials for compatibility with the media is critical to the life and operation of Dwyer products. Take care in the proper selection of materials of construction; particularly wetted materials.

Life expectancy of switch contacts varies with applications. Contact Dwyer if life cycle testing is required.

Ambient temperature changes do affect switch set points, since the specific gravity of a liquid can vary with temperature.

Dwyer products have been designed to resist shock and vibration; however, shock and vibration should be minimized.

Liquid media containing particulate and/or debris should be filtered to ensure proper operation of Dwyer products.

Electrical entries and mounting points may require liquid/vapor sealing if located in an enclosed tank.

Dwyer products must not be field repaired.

Physical damage sustained by the product may render it unserviceable.

DWYER INSTRUMENTS, INC.

P.O. BOX 373 MICHIGAN CITY, INDIANA 46361, U.S.A.

Phone: 219/879-8000

Fax: 219/872-9057

Lit-By Fax: 888/891-4963

www.dwyer-inst.com

e-mail: info@dwyer-inst.com

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