SHURflo

SOLD-OUT-SWITCH (S.O.S.) 94-068-01 (Low Profile)

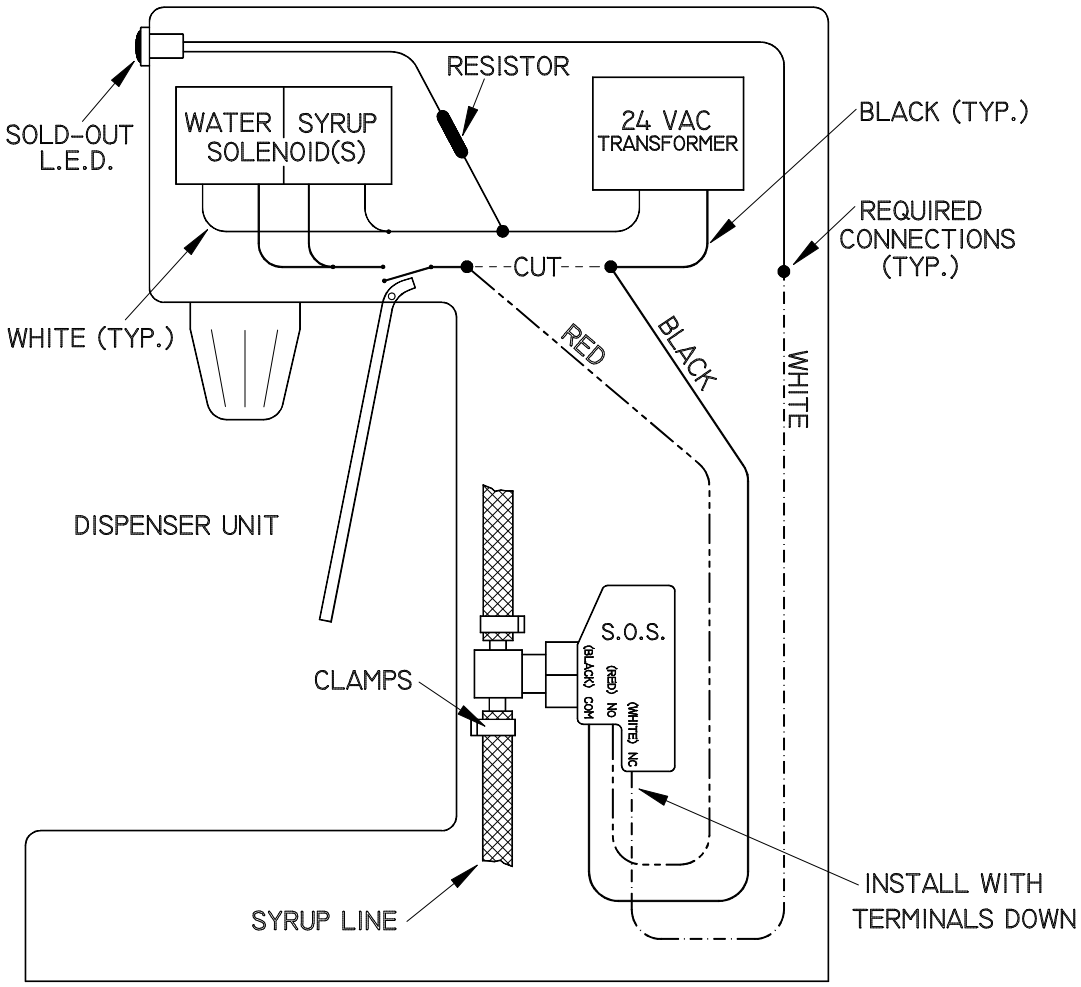
Installation and Operation Instructions

Once a Bag-In-Box (B-I-B) container has emptied, and vacuum for shut-off is obtained, the gas pump automatically stops. However, carbonated water still flows from the dispenser even though syrup flow has ceased. In the case of "clear beverages" (lemon lime, tonic water, etc.) the user has no visual indication the drink is syrup starved.

When syrup line pressure drops below the S.O.S. setting, voltage to the dispensers' solenoid valves is interrupted stopping both water and syrup dispensing.. By stopping both water and syrup, employees realize a new B-I-B needs to be installed. If the L.E.D. light is installed, it illuminates informing the user that product is "sold-out". With a new B-I-B connected the pump automatically restarts and pressurizes the syrup line, resetting the S.O.S. The L.E.D. will go out and drink dispensing resumes, without the need to manually reset.

NOTE: The S.O.S. is only intended for use with B-I-B systems which utilize electric solenoid dispensing valves. The S.O.S. will not work with transfer tanks (figal system) and/or mechanical valves.

INSTALLATION SCHEMATIC



S.O.S. INSTALLATION

1. Turn off the CO_2 or pressurized air supply to the syrup pump.

2. Open the dispenser valve of the syrup line that the S.O.S. is being installed in, relieving the pressure within the tubing.

3. Install the S.O.S. inside the dispenser cabinet in a convenient location near the solenoid valves. Mount with the ***terminals facing down*** to prevent liquid from entering. Cut the **syrup** line and place appropriately sized stainless steel, stepless Oetiker® clamps over the tubing. Install the S.O.S. using the correct sized barbed "T" fitting (¼" NPT) for that particular tubing I.D. Clamp the tubing to the fittings to prevent leaks.

ELECTRICAL CONNECTION

NOTE: The terminals "Normally Open" (N.O.) and "Normally Closed" (N.C.) on the S.O.S. indicate switch contact positions with pressure ***not*** applied.

1. Disconnect ***all*** power to the dispenser unit.

2. Locate the wire(s) (typically black) from the solenoid(s) to the 24VAC transformer, which has current interrupted with the dispenser switch. Cut the wire and strip back ¼" [6mm] of insulation at both ends.

NOTE: Depending on the dispenser configuration, the valves in the dispenser head may have one solenoid operating both water and syrup or two solenoids that operate each individually on a separate circuit.

3. Connect the RED S.O.S. wire (N.O.) to the wire coming from the solenoid using the wire nuts (supplied). Connect the BLACK S.O.S. wire (common) to the other end of the wire that was cut.

4. To install the L.E.D. (optional) locate a position on the front panel that doesn't interfere with internal components of the dispenser. Drill a ¼" [6mm] hole for the L.E.D. retainer clip. Snap the retainer clip in the front side of the panel, then snap the L.E.D. into place from the backside.

5. Wire the L.E.D. by splicing into the other wire (typ. white) from the transformer and connecting either lead from the light with a wire nut. Connect the other lead to the WHITE (N.C.) wire from the S.O.S.

START-UP

1. Turn the power ON at the dispenser unit. If the L.E.D. was installed it should be illuminated at this time.

2. Restart the gas pump by turning on the gas supply. The pump should start to cycle and pressurize the syrup line, causing the L.E.D. to go out.

3. Open the dispenser valve and purge any air that entered while installing the S.O.S. The system is now fully operational.

4. To determine if the S.O.S. will function as intended, pinch off the inlet tubing to the pump. Open the dispenser and pour a drink, causing the pump to obtain vacuum shut-off. At this point the dispenser should stop flowing and the L.E.D. should illuminate. Remove the inlet restriction. The pump should operate causing the S.O.S. to automatically reset.

The S.O.S. is preset to "open" at pressures below 15 psi. [1 bar] and will "close" at syrup pressures above 20 psi. [1.4 bar]. Depending on variables of particular B-I-B installations the S.O.S. may require a slight adjustment. If the S.O.S. is not operating as described (chatters, doesn't turn OFF/ON, interrupts operation before B.I.B. is emptied) contact SHURflo. Detailed adjustment instructions are outlined in Service Bulletin #1031.

S.O.S. LIMITED WARRANTY

SHURflo Sold-Out-Switches are warranted to be free of defects in material and workmanship under normal use, for a period of one (1) year from the date of manufacture, or one (1) year of use, with proof of purchase. This limited warranty will not exceed two (2) years, in any event.

The limited warranty will not apply to Sold-Out-Switches that were improperly installed, misapplied, or incompatible with fluids or components not manufactured by SHURflo. Failure due to foreign debris is not covered under the terms of this limited warranty. SHURflo will not warrant any S.O.S. which is damaged or modified outside the SHURflo factory.

Returns are to be shipped postage prepaid to the authorized distributor where purchased. SHURflo shall not be liable for freight damage incurred during shipping, package returns carefully.

For complete warranty details consult S/B #1049.

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SHURflo reserves the right to update specifications, prices, or make substitutions.

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