

Sprite Pressure Switch Kit

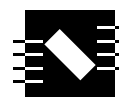
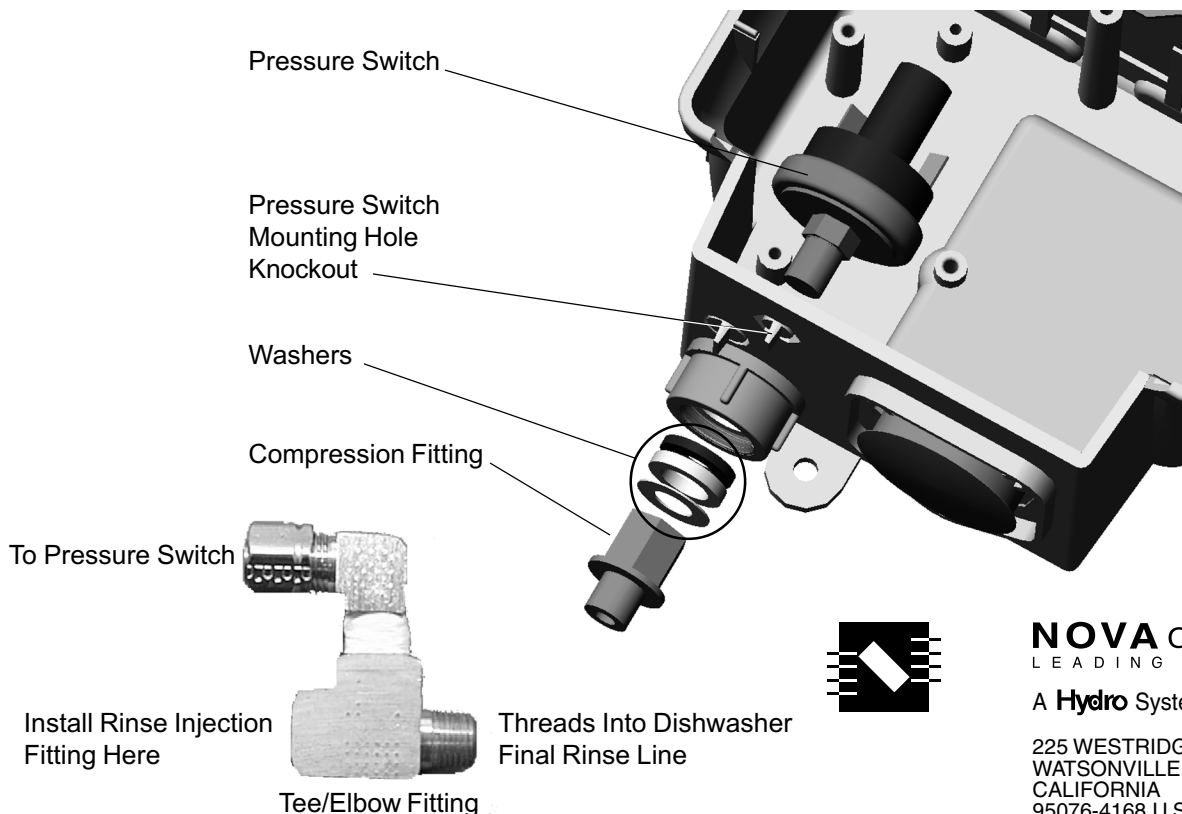
The Sprite Pressure Switch kit includes all parts required to add an optional Pressure Switch to the Sprite DM-400 series dispenser in the field. When using the optional pressure switch, connect the rinse signal input wires (violet and white/violet) to a (24 - 240VAC or 24VDC) power source that is on whenever the machine is rinsing. Possible power sources are the detergent power, if detergent power remains on (as with conveyor machines) or main power, depending on dish machine design. The pressure switch will sense when rinse water pressure is present and switch this signal voltage to the Sprite when the dish machine is rinsing. The following instructions describe the mechanical and electrical installation steps required:

- 1.0 Remove Phillips head screw securing Lower Cabinet Front. Raise Lower Cabinet Front upwards to remove. Disconnect Rinse and Detergent Pump Motor wiring connectors (if installed) from printed circuit board. Set Lower Cabinet Front aside.
- 2.0 Crimp one QDC (push-on) connector to the end of each length of black wire provided. Connect these QDC connectors to the Pressure Switch QDC terminals.
- 3.0 Remove hexagonal hole in bottom of Cabinet Rear. Trim, as required, to clean out flat sides of hexagonal hole. Mount Pressure Switch into hole from inside Cabinet Rear. Install 3 washers over threads and secure with female compression fitting (as shown). Use Teflon tape on threads (not provided). Finger tighten, plus one half turn.
- 4.0 Locate the White/Violet wire in the Sprite wire harness. Cut this wire approximately 6 inches from PCB end of the wire. Strip each new free end of this wire back approximately ¼ inch. Using wire nuts (provided), connect each free end of the White/Violet wire to the black wires that are connected to the Pressure Switch.

NOTE: Connect a power source (24 - 240VAC or 24VDC) to the violet and white/violet wires. This power source will be on whenever the dish machine is rinsing.

- 5.0 Reinstall Lower Cabinet Front per reverse order of instructions in step 1.
- 6.0 Install tee/elbow fitting (provided) in the dishwasher final rinse line injection point instead of the Rinse Injection Fitting. Orient elbow side of the fitting to the most upstream position to help prevent pushing rinse aid into the Pressure Switch. Install Rinse Injection Fitting to tee fitting.
- 7.0 Using appropriate materials (not provided), plumb the tubing from the elbow compression fitting to the Pressure Switch compression fitting.

CAUTION: Only use tubing made of material suitable for high temperatures to plumb from dishwasher rinse plumbing to Pressure Switch. We strongly recommend use of copper tubing for this application.



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