



FLUID CONTROLS ELECTRONIC TRAP PRIMERS

FIGURE NUMBERS 273-SW

INSTALLATION AND OPERATIONAL INSTRUCTIONS



ASSE-1044



File 3253



UL 1951 CSA C22.2 No 68
CSA C22.2 No 14 File No. E10084

MODELS: 273-SW-120V, 273-SW-24V and 273-SW-240V

DESCRIPTION:

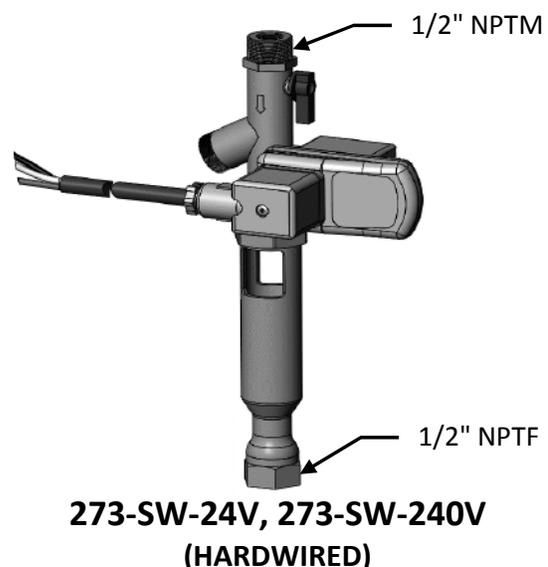
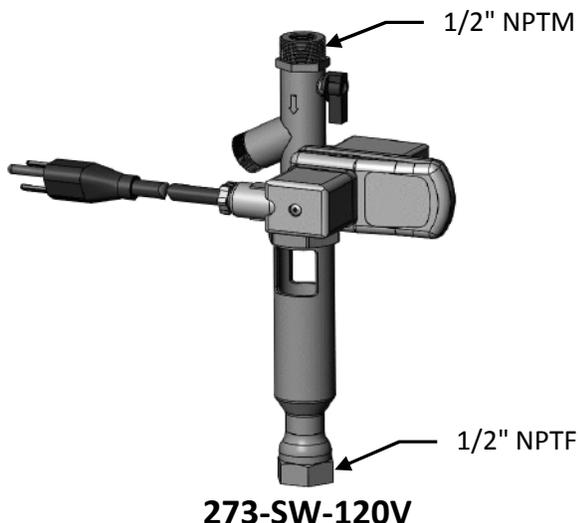
The Fluid Controls 273-SW is a 24VAC, 120VAC or 240VAC operated trap priming device. When activated, the trap primer delivers water across an air gap funnel. **CAUTION:** This unit is not a pressure feed trap priming system. The device must always be located at a higher elevation than the drain(s) it serves. Trap primer feeder line(s) connecting the trap primer to the trap or drain shall be sloped to discharge point.

OPERATION:

A factory programmed timer energizes a normally closed solenoid valve. When energized, water will flow across the air gap for a preset period of time and is distributed via trap primer feeder line(s) (by others). The timer then de-energizes the solenoid valve and it remains closed for 24 hours, until the next operational cycle occurs.

INSTALLATION:

- 1) Connect **1/2" NPTM Trap Primer Valve Inlet** to the water supply line selected for the trap primer using an appropriate adapter fitting (by others). Seal threads with Teflon tape only. Use of thread sealant will void the warranty. Trap primer unit must be accessible if mounted inside a wall. **Device must be installed a minimum of 12" above flood level of drain or trap being primed. Piping from the trap primer outlet must have a minimum 12" vertical drop from the bottom of the trap primer outlet, before turning horizontal. The maximum length of horizontal piping from the trap primer to the drain or trap being primed is 20 feet. If the horizontal piping from the trap primer to the drain or trap being primed exceeds 20 feet, an additional 12" of vertical drop is required for every additional 20 feet of horizontal piping.**
- 2) The trap primer unit must be installed vertical and plumb.
- 3) Connect **1/2" NPTF Discharge Connection** to trap feeder line, using an appropriate adapter fitting (by others), or to a Fluid Controls distribution unit for multiple drains (optional 2694DA, 2694DA-ABS). For the optional 2694DA-ABS (plastic threads), use the appropriate pipe sealant for plastic.
- 4) Connect primer feeder line to trap, making sure line is properly sloped for gravity feed (consult local code authority).
- 5) For a 120VAC unit, plug into a Ground Fault Circuit Interrupter (GFCI) protected wall receptacle.
- 6) The 24VAC and 240VAC units are hardwired devices and shall be installed per local electric code.
- 7) Once connected to power, the Timer will perform a discharge cycle for the preset period of time.
- 8) Pressing the TEST button on the Timer will open the solenoid valve and it will remain open until the button is released.



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

PM 0900