

Sprite Replacement PCB Kit

This Sprite Replacement Printed Circuit Board (PCB) Kit allows an easy field replacement for the Sprite DM-400 warewash dispensing system.

WARNING! This service replacement part is intended for use only by experienced installers! All dishwasher and dispenser power must be shut off during this replacement procedure!

Instructions

- 1.0 Remove lower cabinet front screw (pump rear). Unplug motor plug(s) from old PCB, and remove pump assembly.
- 2.0 Remove three upper cabinet front screws. Unplug transformer connector from PCB, cut power and probe wires at PCB, and remove upper cabinet front.
- 3.0 Connect transformer connector to new PCB and install new upper cabinet with PCB to unit. Secure with three screws.
- 4.0 Connect power/signal/probe wires (clipped in step 2.0) to pre-wired terminal strips provided with kit. Match wire colors if cable is original as provided with unit. In the event that wire colors do not match, the power wiring color code reference appears at the backside of this page.
- 5.0 Slide terminal strips into cabinet rear mounting slots as shown.
- 6.0 Connect motor plugs and install pump assembly, taking care to route wire cables at top of enclosure so they clear the motors. Secure lower cabinet front with screw.
- 7.0 Restore power, reprogram unit, and confirm proper operation.

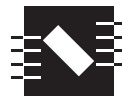
Rinse Motor Connector

Detergent Motor/Solenoid Connector



Probe Wire Terminal Strip

Power Wire Terminal Strip



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A Hydro Systems Company

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Power Wiring Color Reference

90-130 VAC Main Power (90 - 249 VAC version units)

Wire Colors	Circuit Voltage	Function
Gray/Violet	90-130 VAC 50/60 Hz	Main AC Power
Black	90-130 VAC 50/60 Hz	Main AC Power
Brown	No Connection, Insulate!	Warning: Live!
Yellow	24-249 VAC, +24 VDC	Detergent Signal
White/Yellow	24-249 VAC, -24 VDC	Detergent Signal
Violet	24-249 VAC, +24 VDC	Rinse Signal
White/Violet	24-249 VAC, -24 VDC	Rinse Signal

200-249 VAC Main Power (90 - 249 VAC version units)

Wire Colors	Circuit Voltage	Function
Gray/Violet	200-249 VAC 50/60 Hz	Main AC Power
Brown	200-249 VAC 50/60 Hz	Main AC Power
Black	No Connection, Insulate!	Warning: Live!
Yellow	24-249 VAC, +24 VDC	Detergent Signal
White/Yellow	24-249 VAC, -24 VDC	Detergent Signal
Violet	24-249 VAC, +24 VDC	Rinse Signal
White/Violet	24-249 VAC, -24 VDC	Rinse Signal

230 VAC Main Power (230 VAC version units)

Wire Colors	Circuit Voltage	Function
Brown	200-249 VAC 50/60 Hz	Main AC Power
Blue	200-249 VAC 50/60 Hz	Main AC Power
Yellow	24-249 VAC, +24 VDC	Detergent Signal
White/Yellow	24-249 VAC, -24 VDC	Detergent Signal
Violet	24-249 VAC, +24 VDC	Rinse Signal
White/Violet	24-249 VAC, -24 VDC	Rinse Signal