Program Mode Screens

Configuration Settings
- 2.0 — Input Installer Password
- 21 Detergent Control → 1 = Probe, 2 = Probeless
- 22 Machine Type → 1 = Door, 2 = Conveyor
- 23 Detergent Type → 1 = Liquid, 2 = Capsule
- 24 Alarm Volume → 0 = Off, 1 = Low, 2 = Med., 3 = High
- 25 Conveyor Rack Time → Seconds For 1 Rack
- 26 Initial Charge (Probe-less only) → 1 = Automatic, 2 = Manual
- 27 Change Installer Password → Factory Set Password (123)
- 28 Demo Mode → (🕨) = Rinse Signal, (🕨) = Detergent Signal
- 29 Third Product → 1 = Third Product with Rinse, 2 = Third Product with Detergent

Adjustments—Probe
- 3.0
- 31 Detergent Tank Reading → Tank Reading (000)
- 32 Detergent Set Point → Set Point (100)
- 33.1 Rinse Pump Speed → Rinse Pump 0-59.5 RPM (100)
- 33.2 Third Product Pump Speed → Third Product Pump 2 -110 RPM (100) = Test
- 34 Low Detergent Alarm Delay → Racks
- 35 Rinse Feed Opt (Door Only) → 1 = Rinse on rinse, 2 = Rinse on detergent
- 36 Rinse Delay Time (Door Only) → Seconds

Adjustments—Probeless
- 4.0
- 41 Detergent Initial Charge → Seconds (000)
- 42 Detergent Dose → Seconds (10)
- 43 Detergent Dose Interval → Racks (1, 2 or 3)
- 44.1 Rinse Pump Speed → Rinse Pump 0-59.5 RPM (10.0) = Test
- 44.2 Third Product Pump Speed → Third Product Speed 2 -110 RPM (100) = Test
- 45 Rinse Feed Opt (Door Only) → 1 = Rinse on rinse, 2 = Rinse on detergent
- 46 Rinse Delay Time (Door Only) → Seconds (10)

Exit Program Mode → User Mode

Guide To Icons

Icon	Description
(🕨)	Next key—moves
(↑)	Scroll key—changes
(↵)	Enter key—action
00	Gray (left) digit indicates blinking

Set Value Screens

Enter Screen (↵) → 00 → Set Value/Exit Screen (↵)
- (🕨) Moves Blinking Digit (when applicable)
- (↑) Changes Digit Value

SPECIFICATIONS

Dimensions

Size:
8" wide x 9" high x 6" deep
20.3 cm wide x 22.2 cm high x 150.4 cm deep

Weight:
6 lbs. (2.72 kilos)

Temperature: 120° F Maximum

For complete Environmental Specifications, refer to the Sprite III Reference Manual.

Power Requirements

Total amperage draw during operation is 100 to 240 VAC nominal (+/- 10%fluctuation), 50/60 Hz. 1.0 amps (max).

Pump Flow Rates

Rinse Pump Flow Rate: 0.5 mls/revolution
Detergent Pump Flow Rate: 6 oz/min. (178 mls/min)
Third Product Pump Flow Rate: 0.10 oz./min. to 6 oz./min. (3 mls/min. to 178 mls/min.)

Sprite III
WAREWASH DISPENSING SYSTEM
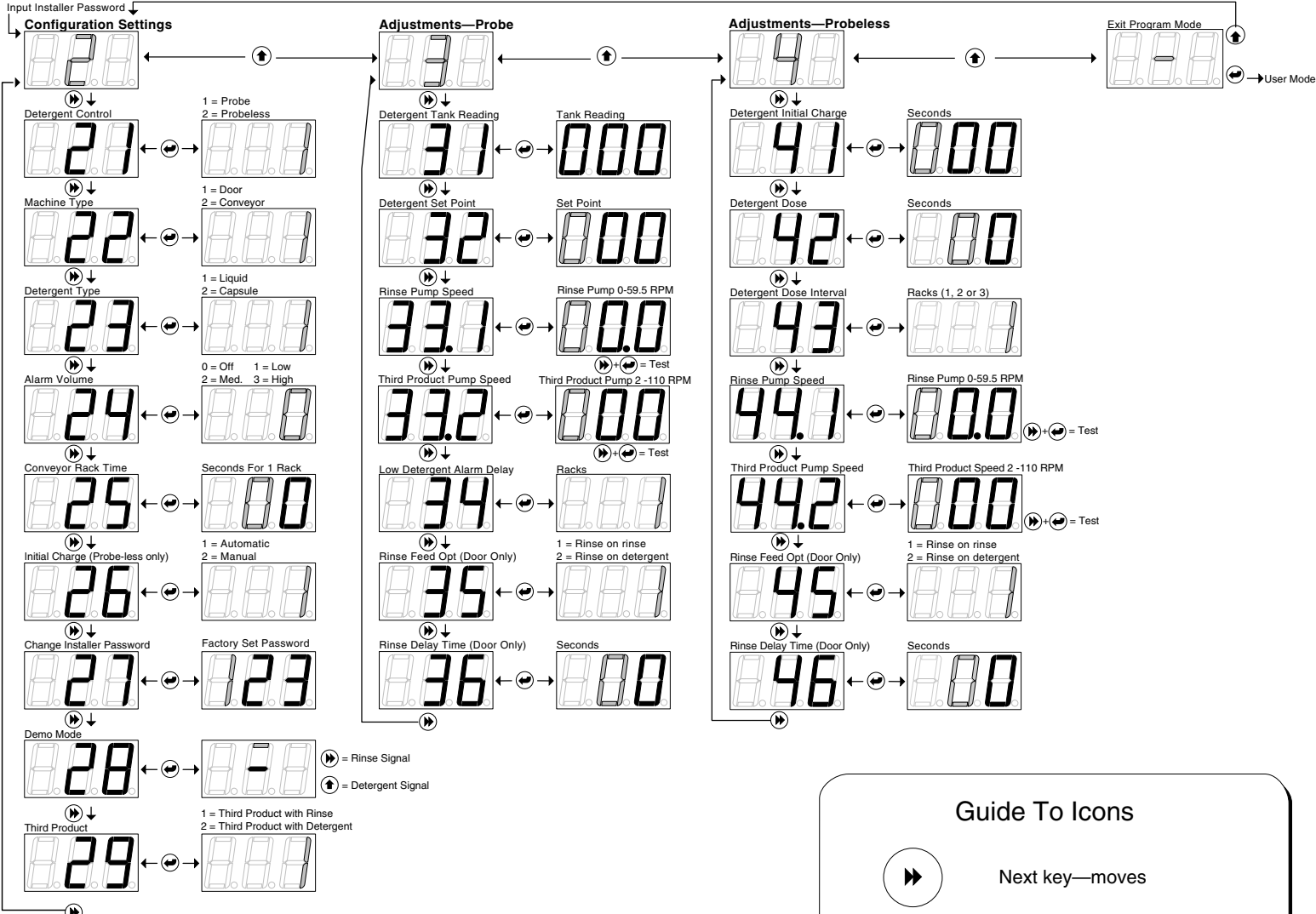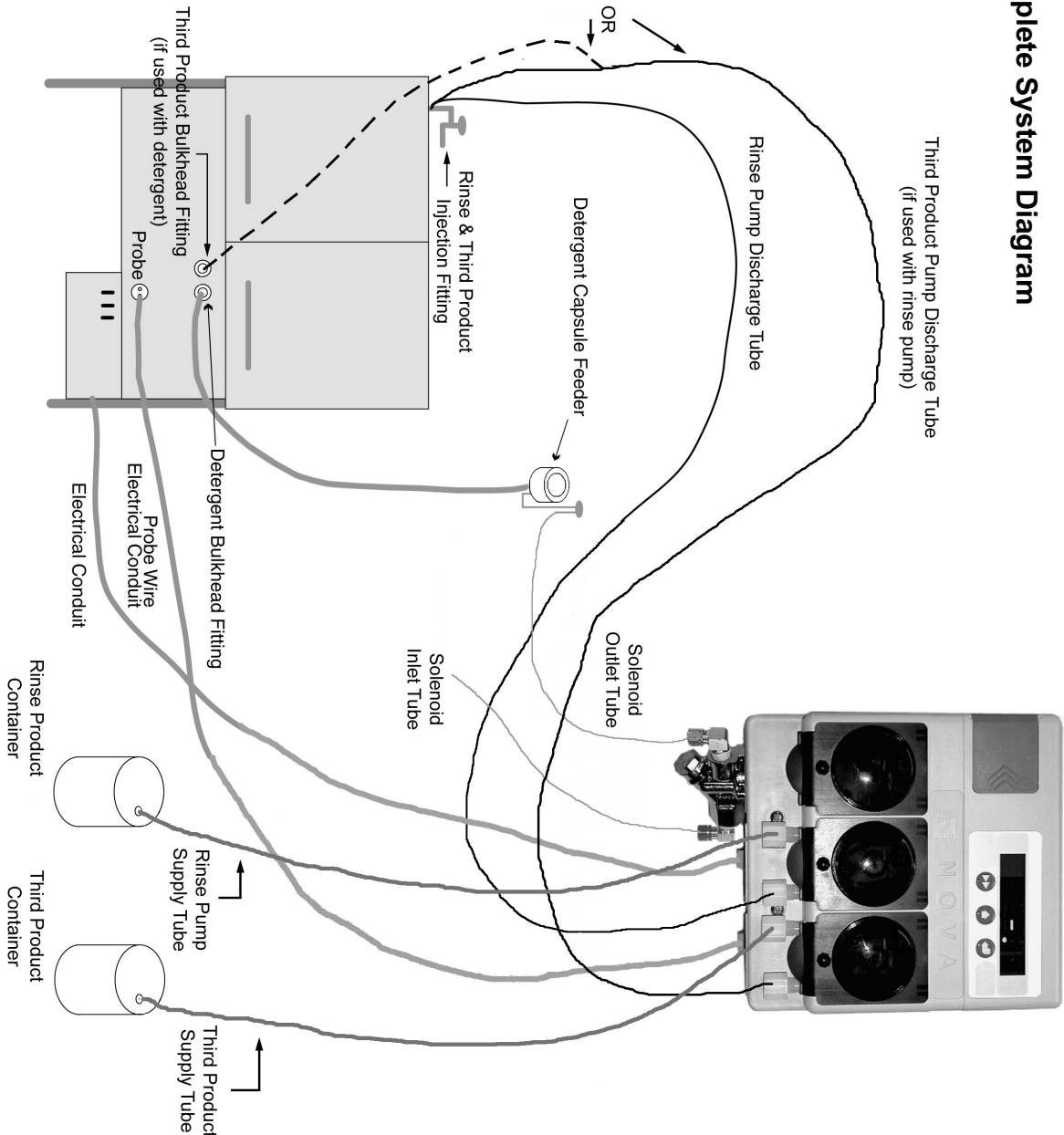## Quick Start Guide

How to Use This Quick Start Guide

This guide is intended for those who are familiar with installing and using dispensing systems. It provides a quick overview of the installation and use of the Sprite III. Brief instructions for each step are within this guide. For more complete information, please refer to the *Sprite III Reference Manual.*

Follow these steps to begin using the Sprite III:

1. Install mechanical and electrical portions of the system.

2. Familiarize yourself with the three buttons on the keypad and with the User Screens.

3. Within the Program Mode Screens, familiarize yourself with the Configuration Settings and Adjustment Menu (probe or probeless) that you will use. Note the name of the function listed above each numbered screen.

4. Input the Installer Password.

5. Press the Scroll key to change the blinking digit to "2." Set Configuration Settings, including detergent control (probe or probeless), machine type (door or conveyor), detergent type (liquid or capsule) and third-product pump selection (with rinse, detergent or disabled).

After setting the configuration, you need only program adjustments that apply to your system.

6. Press the Scroll key to change the blinking digit to 3 (Probe Adjustments) or 4 (Probless Adjustments). Set adjustments as needed.

7. Press the Enter key to return to the main menu. To exit, wait 30 seconds; the menu will automatically return to the Home screen after 30 seconds of inactivity.

8. Refer to the *Sprite III Reference Manual* for information on troubleshooting, maintenance, service, parts and warranty.

Complete System Diagram

Third Product Pump Discharge Tube
(if used with rinse pump)

OR

Rinse Pump Discharge Tube

Detergent Capsule Feeder

Third Product Bulkhead Fitting
(if used with detergent)

Rinse & Third Product
Injection Fitting

Probe

Detergent Bulkhead Fitting

Electrical Conduit

Probe Wire
Electrical Conduit

Rinse Product
Container

Third Product
Container

Solenoid
Outlet Tube

Solenoid
Inlet Tube

Rinse Pump
Supply Tube

Third Product
Supply Tube

Mechanical Installation

Caution: Disconnect power to dish machine and dispenser during installation or any time cabinet is opened.

Step 1—Wall Mounting Unit

1. Install dispenser near product containers and at a height for easy service access.
2. Place, level and install mounting bracket.
3. Lower dispenser onto bracket. Press down to lock in place.

Mounting Bracket

Lock
Button

Level

Rinse Injection Fitting

Compression Fitting
(tube from pump)

Threads into rinse plumbing

Step 2—Probe Mounting (only if using probe)

Probe must always be immersed in wash tank solution, have a good solution flow and be near product entry point.

Step 3—Rinse Injection Fitting

Install rinse injection fitting at least 6" below dish machine rinse plumbing vacuum breaker. To prevent leaks, use teflon tape.

Step 4—Detergent Bulkhead Fitting

Mount above water line in tank and as close to probe as possible.

Step 5—Supply and Discharge Tubes (not included)

Route detergent, rinse and third product pump tubes as indicated on system diagram.

Step 6—Solenoid Water Feed (only if Solenoid equipped)

Hot or cold water is necessary if using solid, powder or slurry-type feed systems.

Caution: If water source is hot, use only copper tubing. DO NOT connect to the boosted temperature rinse water line on high temperature dish machines.
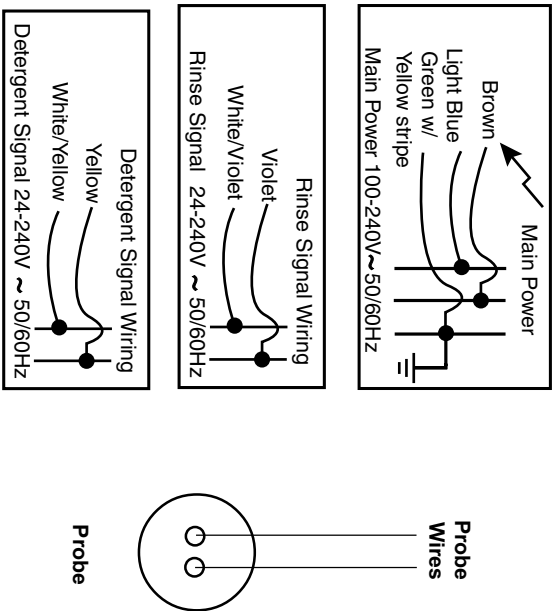
ELECTRICAL INSTALLATION

Caution: Disconnect power to the dish machine and dispenser during installation or when ever cabinet is opened.

Verify all voltage sources with a meter.

All electrical connections (except the probe) must be made either in the dish machine control circuit panel or an external junction box. The dispenser is pre-wired with a multiconductor electrical cable that must be run through a conduit to the hard-wired connection on the dish machine. Use a 1/2" (13 mm) ID flexible, water tight conduit that meets all local and national codes. A conduit fitting is present on the bottom of the dispenser where the power cable exits. The probe wire is also pre-wired and must be routed to the probe location and cut to fit. The SPRITE III is available in two different wiring versions:

Brown
Light Blue
Green w/
Yellow stripe
Main Power 100-240V~50/60Hz

Main Power

Rinse Signal Wiring
White/Violet
Violet
Rinse Signal 24-240V ~ 50/60Hz

Detergent Signal Wiring
White/Yellow
Yellow
Detergent Signal 24-240V ~ 50/60Hz

Probe Wires

Probe

DESCRIPTION OF CONTROLS

The keypad below displays and controls dispenser functions. Blinking digits prompt you to input a value with the **Scroll** key. Use the **Next** key to move to the next digit. When the value displayed is the one you wish to store, press the **Enter** key to set the value and return to the main menu.

Next Key

Display User or Program menus Move through each screen (screens without blinking digits.)

Scroll Key

Change the blinking number displayed (0-9). Start Probeless Manual Initial Detergent Change.
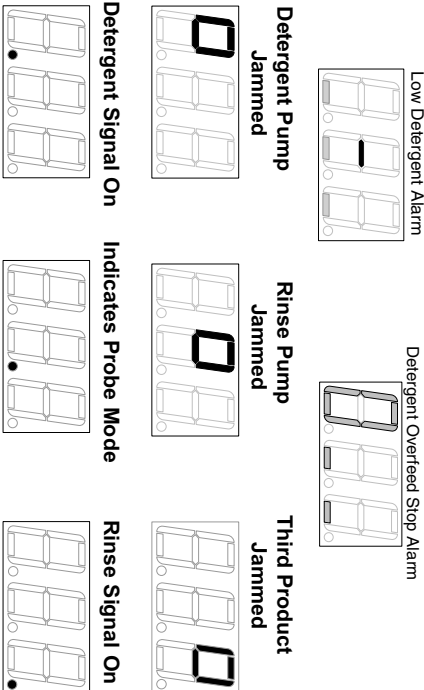
Enter Key

View and change settings. Set value and exit program. Start and stop pumps and prime.

USER MODE OPERATION

In User Mode, the SPRITE III displays the operating status and dispenser alarms and gives access to the User Mode Menus.

Note: Press any key to silence alarm!

User Mode Alarms and Status Indicators

Low Detergent Alarm

Detergent Overfeed Stop Alarm

Detergent Signal On   Indicates Probe Mode   Rinse Signal On

Detergent Pump Jammed   Rinse Pump Jammed   Third Product Jammed

User Mode Menu Screens

Start detergent, rinse and third-product prime. Activate manual initial charge (probeless mode). Input factory set password.

Inputting the Factory-set Password (123)

Press and hold the Enter key for 2 seconds. Three zeros will appear. Press the Scroll Key to change the blinking digit to a "1." Press the Next key to move to the next digit. Continue until "123" displays. Press the Enter key to set and return to Program Mode. If you change the password, make note of it!

User Mode Pump Status

Idle Home Screen

30 seconds, no activity

Rack Counter

Max Idle Time (Probe only)

Reset Time

Rack Count (tens)

Detergent Prime Initial Charge

Rinse Prime

Third Product Prime

De-Lime

ID Mode

User Mode Pump Functions

Detergent Feeding

Rinse Pump On

Detergent Feed   Rinse Pump On

Detergent Pump On   Third Product Pump On

De-Lime Cycle On

Left & Center Digits = Firmware Version
Right Digit = Current Operating Mode Selection
1 = Probeless Conveyor   2 = Probeless Door
3 = Probe Conveyor   4 = Probe Door