

# S SERIES QUICK START GUIDE – GENERAL INFORMATION

The Quick Start Guide provides safety warnings, general information and the steps in the Configuration section of the Main Menu. Configuration needs to be completed at the initial set-up.

## IMPORTANT SAFETY INSTRUCTIONS

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When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

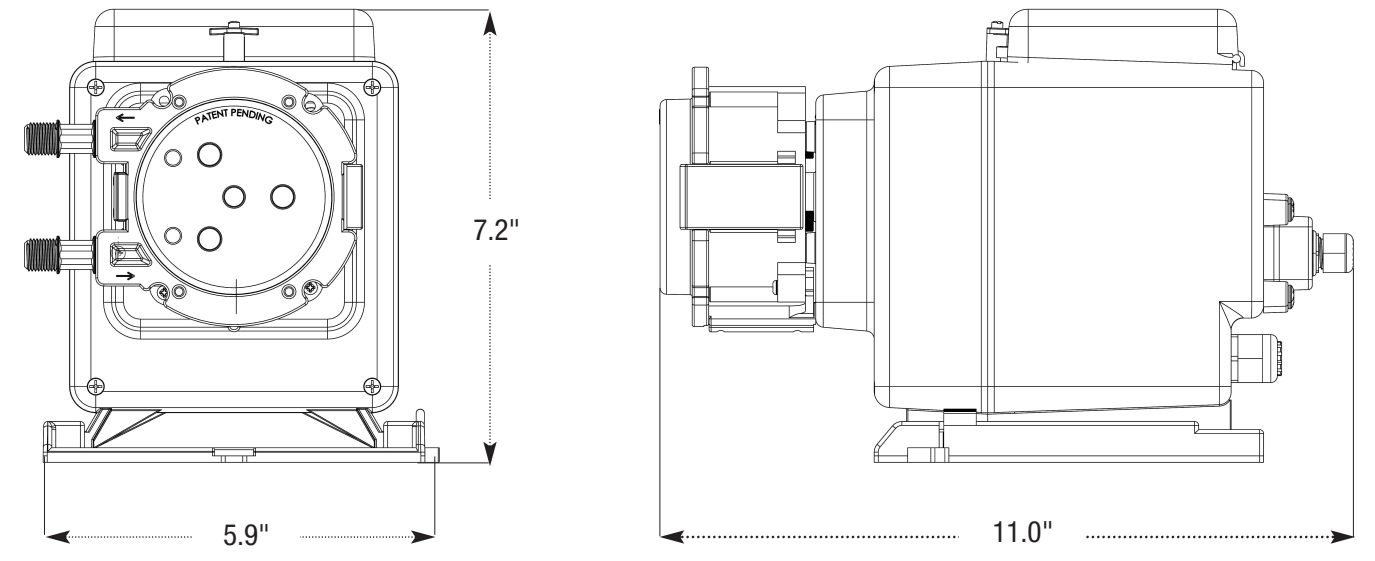
### READ AND FOLLOW ALL INSTRUCTIONS

- ⚠ WARNING** TO BE INSTALLED AND MAINTAINED BY PROPERLY TRAINED PROFESSIONAL INSTALLER ONLY. READ MANUAL & LABELS FOR ALL SAFETY INFORMATION & INSTRUCTIONS.
- ⚠ WARNING** Warns about hazards that CAN cause death, serious personal injury, or property damage if ignored.
- ⚠ WARNING** ELECTRIC SHOCK HAZARD
- ⚠ WARNING** RISK OF ELECTRIC SHOCK  
Connect only to a branch circuit protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.
- ⚠ AVERTISSEMENT** RISQUE DE CHOC ELECTRIQUE  
Brancher seulement à un réseau électrique protégé par un DDF. Contactez un électricien certifié si vous ne pouvez pas vérifier que la prise est protégé par un DDF.
- ⚠ PELIGRO** PELIGRO DE DESCARGA ELECTRICA  
Conecte a un circuito en derivación protegido por un interruptor de descarga a tierra (GFCI). Contacte a un electricista certificado si no puede verificar que su receptáculo esté protegido por dicho interruptor (GFCI).
- ⚠ WARNING** To reduce the risk of electric shock, replace damaged cord immediately. Contact the factory or an authorized service facility for repair.
- ⚠ WARNING** DO NOT alter the power cord or plug end. DO NOT use receptacle adapters.
- ⚠ WARNING** DO NOT use pump with a damaged or altered power cord or plug. Contact the factory or authorized service facility for repair.
- ⚠ WARNING** After installation, the power supply plug must be accessible during use.
- ⚠ WARNING** To reduce the risk of injury, do not permit children to use this product. This appliance is not to be used by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- ⚠ WARNING** This pump has not been investigated for use in marine areas.
- ⚠ AVERTISSEMENT** La pompe n'a pas été vérifiée et approuvée pour utilisation sur des applications de installation marine.
- ⚠ PELIGRO** Este dosificador no ha sido investigado para uso en áreas marinas.
- ⚠ WARNING** EXPLOSION HAZARD  
This equipment IS NOT explosion proof. DO NOT install in an explosive environment.
- ⚠ WARNING** RISK OF CHEMICAL EXPOSURE AND OVERDOSE  
Potential for chemical burns, fire, explosion, personal injury, or property damage. To reduce risk of exposure, the use of proper personal protective equipment is mandatory. To reduce risk of overdosing, follow proper installation methods and recommendations. Check your local codes for additional guidelines.
- ⚠ WARNING** RISK OF FIRE HAZARD  
DO NOT install or operate on any flammable surface.
- ⚠ WARNING** Pump is not recommended for installation in areas where leakage can cause personal injury or property damage.
- ⚠ CAUTION** Warns about hazards that WILL or CAN cause minor personal injury or property damage if ignored.
- ⚠ CAUTION** To reduce risk of electric shock, pull plug before servicing this pump.
- ⚠ CAUTION** This pump has been evaluated for use with water only.
- ⚠ CAUTION** Non-submersible pump. Suitable for indoor and outdoor use.
- ⚠ ATTENTION** Pompe non submersible. Adaptée à une utilisation aussi bien à l'intérieur qu'à l'extérieur.
- ⚠ CUIDADO** Dosificador no sumergible. Adecuado para el uso interior y exterior.
- ⚠ CAUTION** PLUMBING  
Chemical feed pump installation must always adhere to your local plumbing codes and requirements. Be sure installation does not constitute a cross connection. Check local plumbing codes for guidelines.
- ⚠ CAUTION** Electrical installation should adhere to all national and local codes. Consult licensed professional for assistance with proper electrical installation.
- ⚠ CAUTION** Pump uses a class 2 switching power supply.

## SAVE THESE INSTRUCTIONS

- 📌 NOTICE:** Indicates special instructions or general mandatory action.
- 📌** This metering pump is portable and designed to be removable from the plumbing system without damage to the connections.
- 📌** This metering pump and its components have been tested for use with the following chemicals; Sodium Hypochlorite (10-15%), Muriatic Acid (20-22 Baume, 31.5% Hcl), and Soda Ash.
- 📌** Cette a pompe de dosage et ses composants ont été testés pour utilisation avec les produits chimiques suivants; Hypochlorite de Sodium (solution de 10-15%); Acide Muriatique (20-22 Baume, 31.5% Hcl); Cendre de Soude.
- 📌** Before installing or servicing the pump, read the pump manual for all safety information and complete instructions. The pump is designed for installation and service by properly trained personnel.
- 📌** No user replaceable parts inside.
- 📌** Do not install at altitudes over 2000 meters.
- 📌** Read all safety hazards before installing or servicing the pump. The pump is designed for installation and service by properly trained personnel.
- 📌** Use all required personal protective equipment when working on or near a chemical metering pump.
- 📌** Install the pump so that it is in compliance with all national and local plumbing and electrical codes.
- 📌** Use the proper product to treat potable water systems, use only chemicals listed or approved for use.
- 📌** Inspect tube frequently for leakage, deterioration, or wear. Schedule a regular pump tube maintenance change to prevent chemical damage to pump and/or spillage.
- 📌** Recommended mounting is vertical with pump head pointed downward.

## DIMENSIONS



## ACCESSORY CHECKLIST

- 3 Connecting Nuts 1/4" or 3/8"
- 3 Ferrules 1/4" or 6 mm *Europe*
- 1 Injection Fitting 25 psi (1.7 bar) or 1 Injection Check Valve 100 psi (6.9 bar)
- 1 Weighted Suction Line Strainer 1/4", 3/8" or 6 mm *Europe*
- 1 20' Roll of Suction/Discharge Tubing 1/4" or 3/8", white, UV black or 6 mm white *Europe*
- 1 Additional Pump Tube
- 2 Additional Latches
- 1 Mounting Bracket
- 1 Quick Start Guide

## FLOW RATE OUTPUT CHART

25 psi (1.7 bar) Maximum										
Model	Pump Tube	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
S3003	3	100:1	0.40-40	0.017-1.67	2.13- 213	0.036-3.56	1.51-151	0.063-6.31	63.09-6309	1.05-105
S3004	4	100:1	0.60-60	0.025-2.50	3.20-320	0.053-5.33	2.27-227	0.095-9.46	94.64-9464	1.58-158
S3005	5	100:1	0.85-85	0.035-3.54	4.53-453	0.076-7.56	3.22-322	0.134-13.41	134.07-13407	2.23-223
Approximate Outputs @ 50/60Hz										
100 psi (6.9 bar) Maximum										
Model	Pump Tube	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
S3001*	1	100:1	0.05-5	0.002-0.21	0.27-27	0.004-0.44	0.19-19	0.008-0.79	7.89-789	0.13-13
S3002*	2	100:1	0.17-17	0.007-0.71	0.91-91	0.015-1.51	0.64-64	0.027-2.68	26.81-2681	0.45-45
S3007*	7	100:1	0.40-40	0.017-1.67	2.13-213	0.036-3.56	1.51-151	0.063-6.31	63.09-6309	1.05-105
Approximate Outputs @ 50/60Hz										

\* Injection check valve included with pump rated to 100 psi (6.9 bar) maximum.  
**📌 NOTICE:** The information within this chart is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.

## MAIN MENU

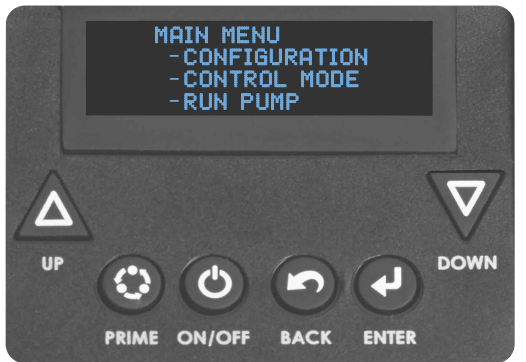
Below is a summary of the Main Menu.

- CONFIGURATION** Configure the pump parameters
- Display Brightness
  - Units
  - Clock
  - Calibration
  - Password
  - Tube Timer
  - Reset Totalizer
  - Leak Detect
  - Relay Outputs
  - Firmware Version
  - Reset Pump
  - Go to Main Menu
- CONTROL MODE** Select the mode of operation and set the parameters
- Manual
  - 4-20mA
  - 0-10VDC
  - Pulse
  - Hall Effect
  - 7 Day Timer
  - PPM Feed Constant Flow/Flow Switch
  - PPM Feed Variable Flow/Hall Effect
  - Cycle Timer

**RUN PUMP** Select RUN PUMP to put the pump in Operating mode (Configuration and Control Mode must be programmed before Run Pump is selected). The pump runs based on the programmed settings and the settings are shown in the Operating Display screen.

## NAVIGATION

The pump is controlled with 6 buttons. The chart indicates the function of each button on the control panel.



BUTTON	GENERAL FUNCTION	OPERATING MODE FUNCTION
<b>UP</b>	<ul style="list-style-type: none"> <li>· Moves up in a menu</li> <li>· Toggles between menu options</li> <li>· Increases a value</li> </ul>	Increases the speed percent in the MANUAL mode
<b>DOWN</b>	<ul style="list-style-type: none"> <li>· Moves down in a menu</li> <li>· Toggles between options</li> <li>· Decreases a value</li> </ul>	Decreases the speed percent in the MANUAL mode
<b>PRIME</b>	N/A	Runs pump at 100% speed while button is pressed
<b>ON/OFF</b>	N/A	Turns pump control ON or OFF WARNING: DOES NOT remove power
<b>BACK</b>	Moves one step back in a menu	Cycles the display through the units of output and the control mode specific parameters
<b>ENTER</b>	Sets a value	Press and hold for 2 seconds to go to the MAIN MENU

For the complete manual, visit [www.stenner.com](http://www.stenner.com), go to [Support/Downloads/S Series/Manuals & Instructions](#). For assistance, contact [techsupport@stenner.com](mailto:techsupport@stenner.com) or 904.641.1666 or 800.683.2378.

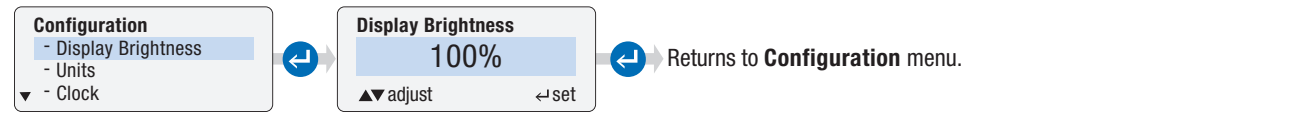
This information is not intended for specific application purposes. Stenner Pump Company reserves the right to make changes to prices, products, and specifications at any time without prior notice.

# S SERIES QUICK START GUIDE – CONFIGURATION

Configuration needs to be completed at the initial set-up and before proceeding to the Control Mode and Run Pump section of the Main Menu. For the complete manual, visit [www.stenner.com](http://www.stenner.com), go to [Support/Downloads/S Series/Manuals & Instructions](#). For assistance, contact [techsupport@stenner.com](mailto:techsupport@stenner.com) or 904.641.1666 or 800.683.2378.

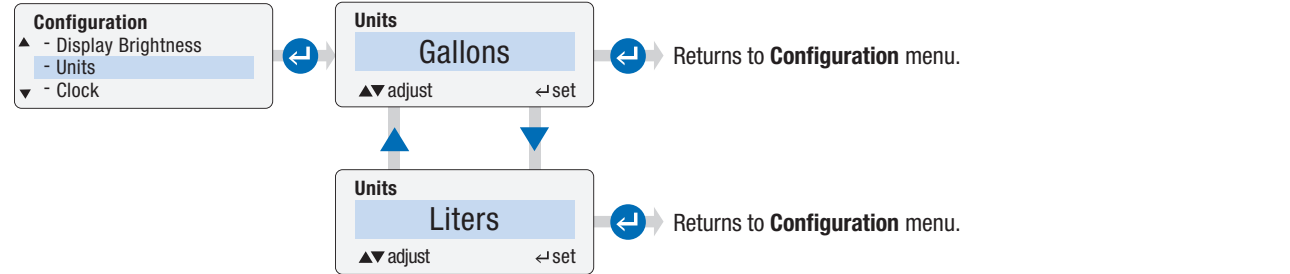
## DISPLAY BRIGHTNESS

Allows user to adjust the brightness level of the pump display from 0% to 100%. There is some visibility at the minimum setting.  
NOTE: For best performance and longevity, the display brightness should not be set higher than 50% for extended periods.



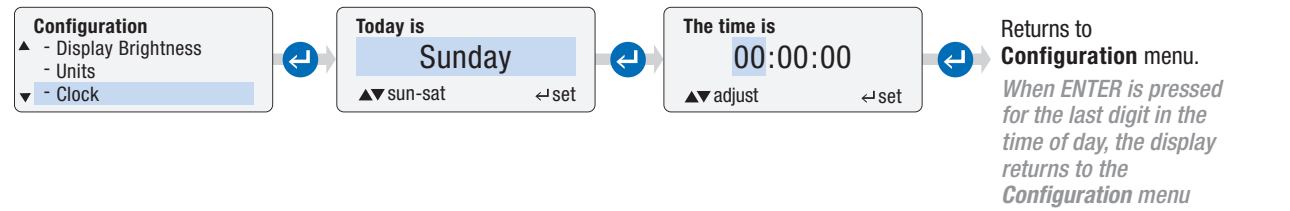
## UNITS

Allows the user to set the unit of measure to Gallons or Liters. The selection appears in the pump display during Control Mode programming.



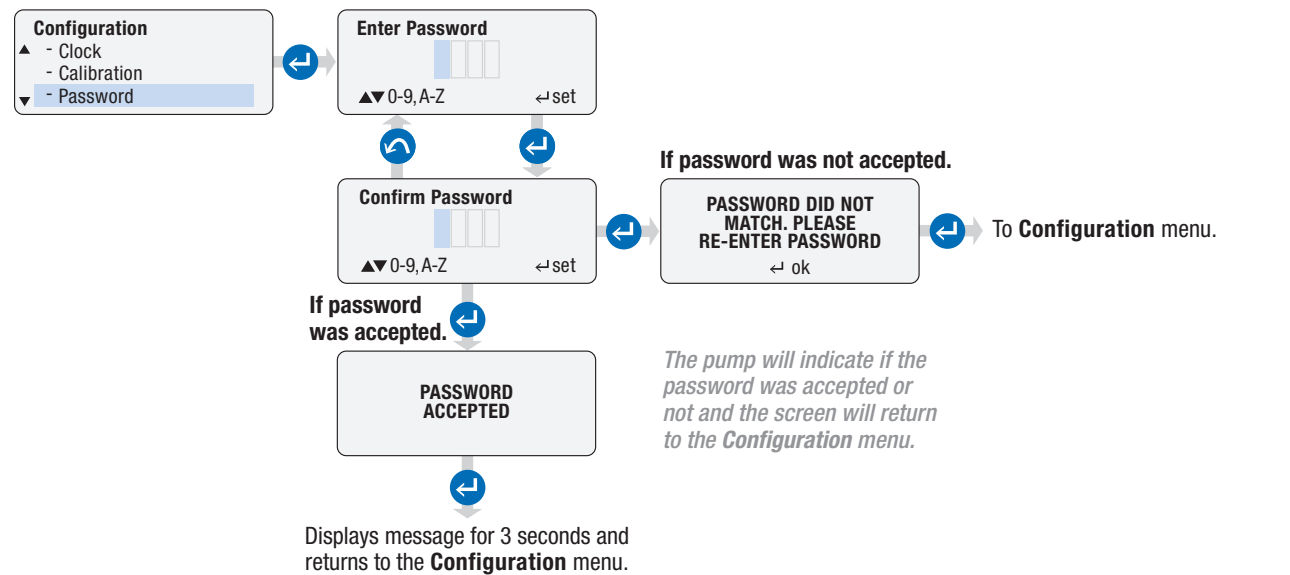
## CLOCK

Allows the user to set the current day of the week and the time of the day. The time is set in a 24 hour clock format only.  
NOTE: For the time, the first two digits that control the hour are highlighted together.



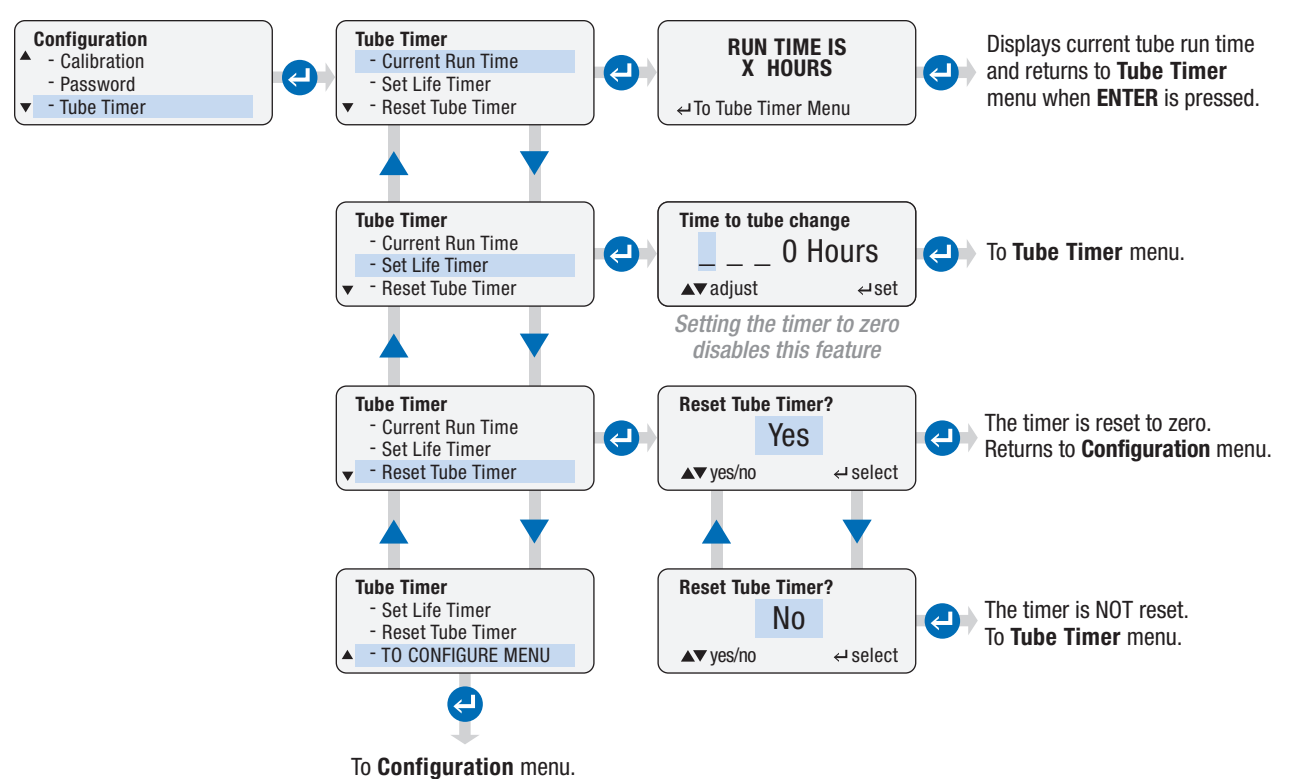
## PASSWORD

Allows user to set a password to prevent unauthorized changes to the pump settings.  
• Each digit can be set for 0-9 or A-Z.  
• When the password is set, it must be entered during the Operating Display mode (in Run Pump) in order to enter the Main Menu.  
• Leaving the password blank disables the password feature. The password is disabled by default.



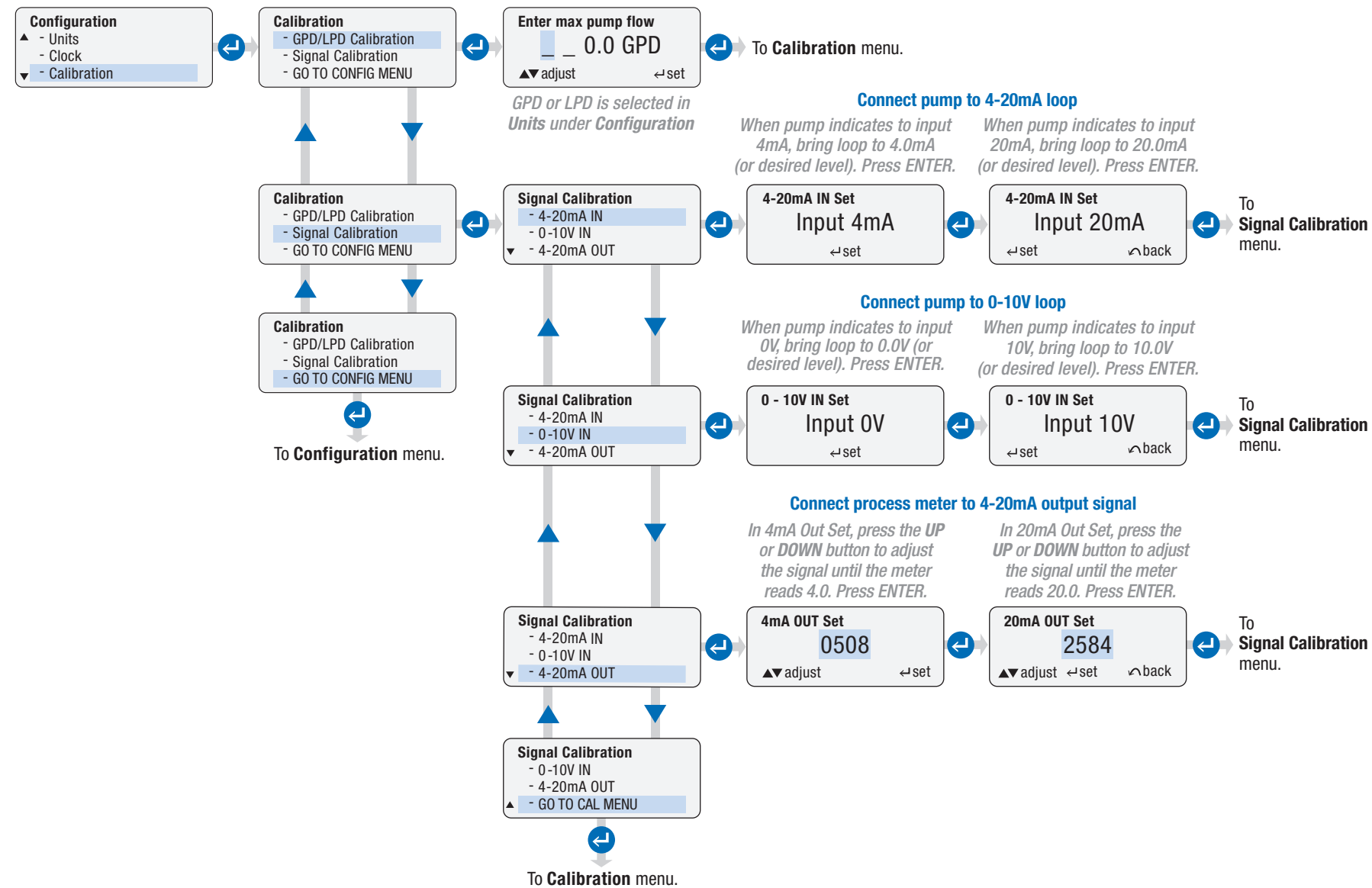
## TUBE TIMER

Allows user to set the tube run time in hours, to initiate the tube change indicator. When the set time is reached, the Operating Display shows Tube Change.  
• After the tube is replaced, reset the current run time to zero.



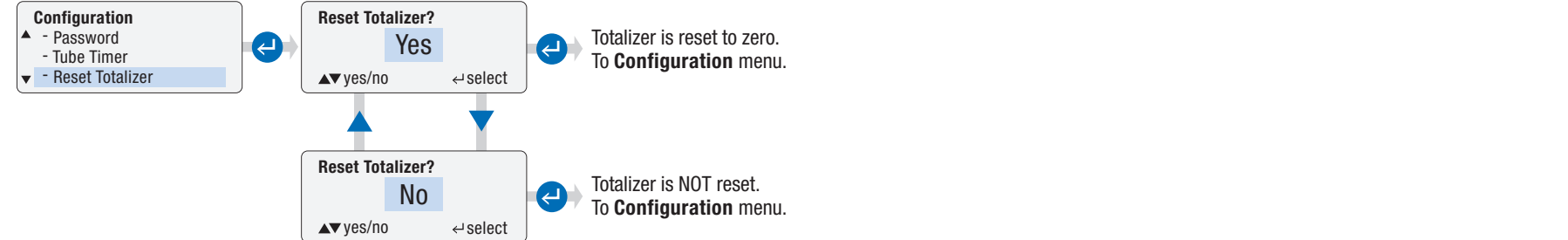
## CALIBRATION

Allows user to set the pump's maximum output. The units displayed in the Calibration submenu are controlled by the setting made in the Units submenu.  
**IMPORTANT:** The value entered (in Calibration) for the pump's maximum output is used to calculate the pump's required output for the operating mode in Run Pump. The value is also used to calculate the pump's required run speed in the PPM Feed submenu in Control Mode. For the most accurate dosing possible, determine the actual pump output. Conduct a drawdown from a graduated calibration column against the discharge run and pressure, equivalent to the intended installation.



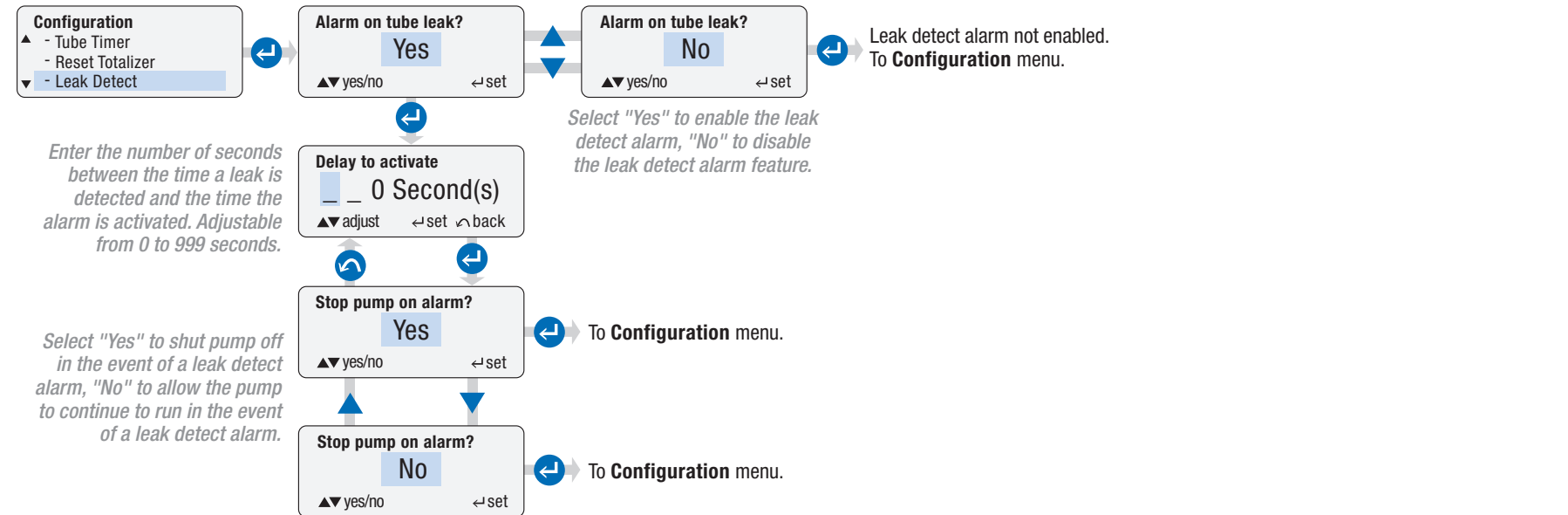
## RESET TOTALIZER

Allows user to reset the flow totalizer when using the Pulse, Hall Effect, or PPM Feed control modes.



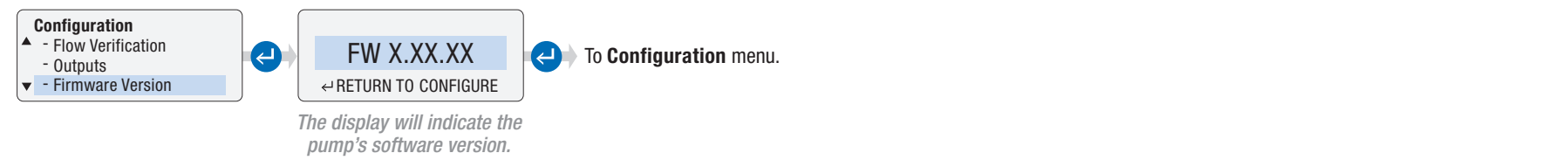
## LEAK DETECT

The leak detect function detects when solution is present in the pump head.



## FIRMWARE VERSION

Allows user to check the firmware version code in the pump.



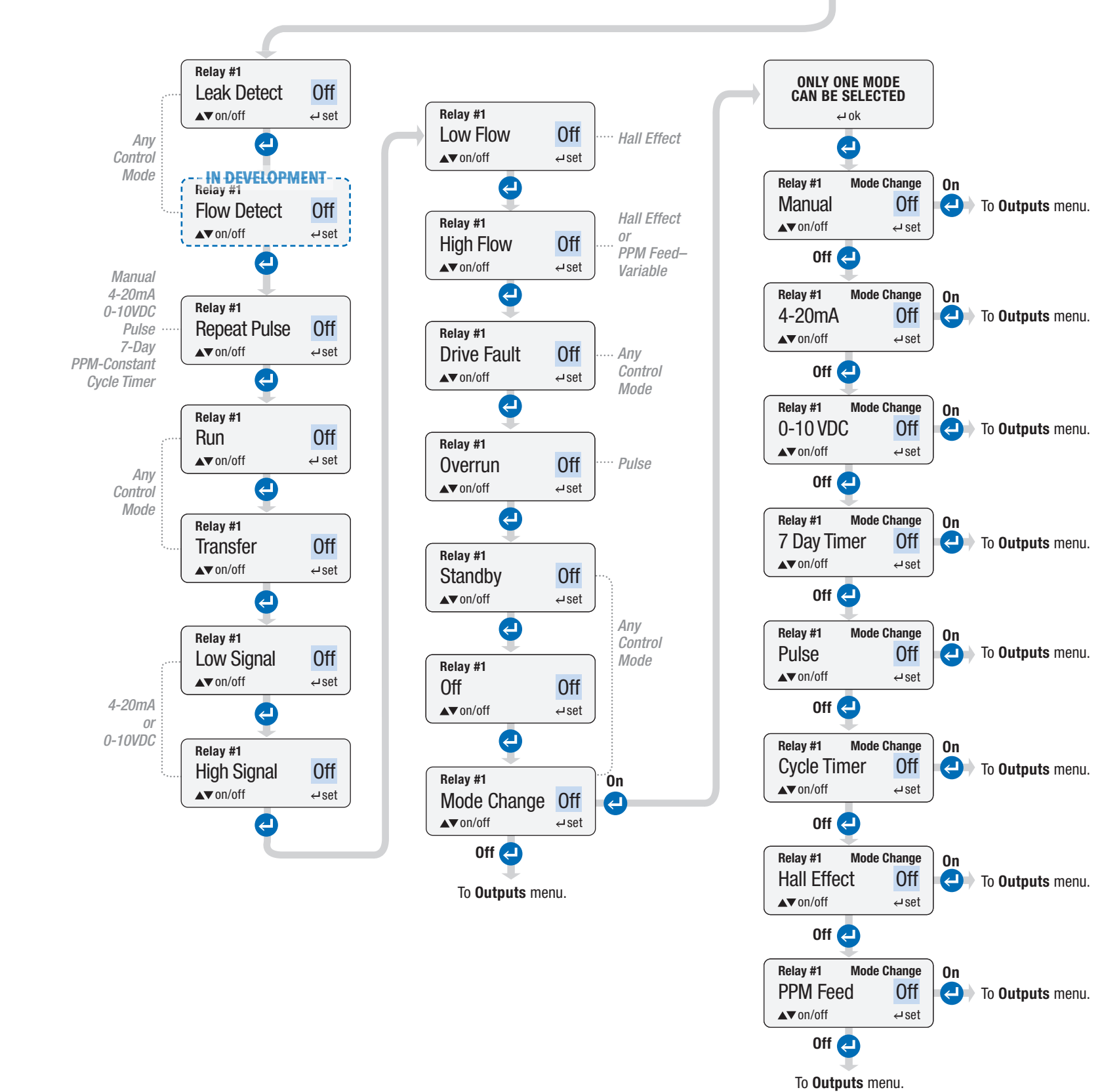
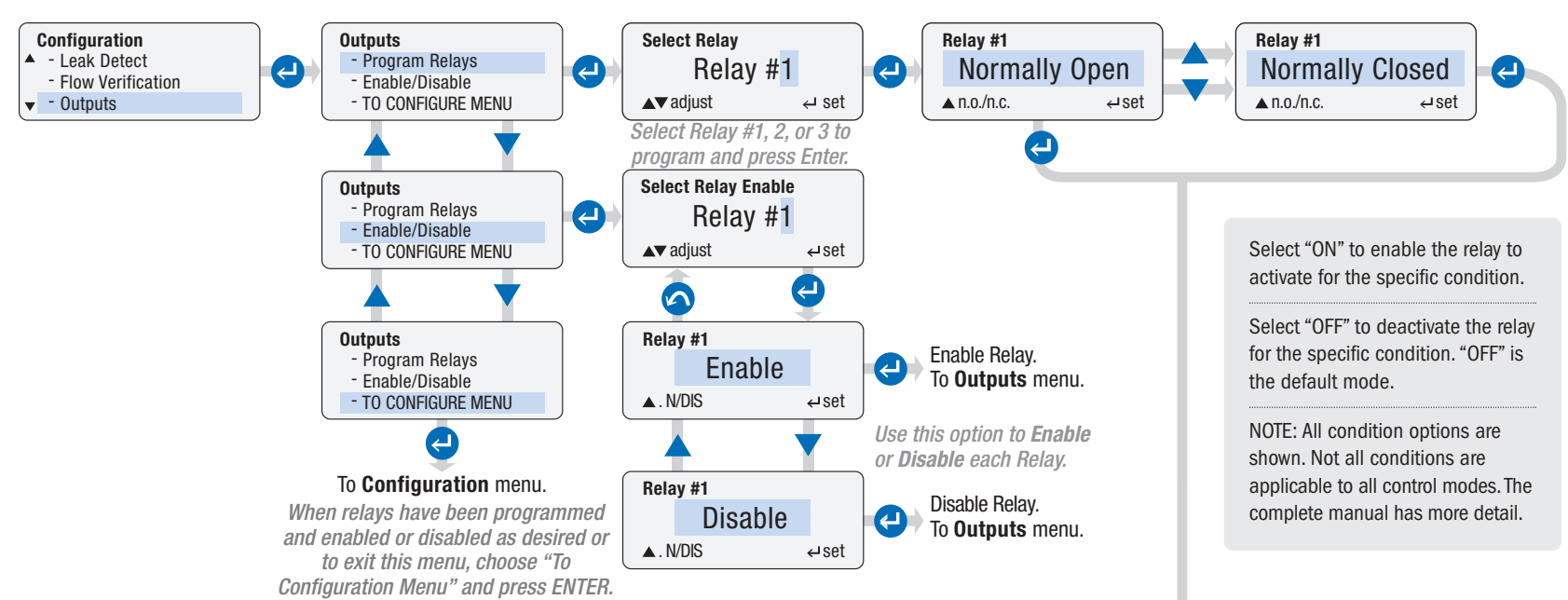
## GO TO MAIN MENU

Allows user to return to the Main Menu.



## OUTPUTS (RELAY)

Allows user to configure the three internal relays for output indication from the pump to a control system, another pump or miscellaneous receptacle.  
• Program the individual output relays (1, 2, and/or 3) as desired. Example below illustrates selecting Relay #1.  
• Enable or disable the relays as desired. Relays are rated for 24VDC @ 50mA max.



## RESET PUMP

Allows user to reset the pump and return the pump to factory default settings.

