

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 DDT. Contactez un électricien certifié si vous ne pouvez pas vérifier que la prise est protégé par un DDT.

⚠️ 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.

MAIN MENU & NAVIGATION

CONFIGURATION Program the parameters at the initial set-up

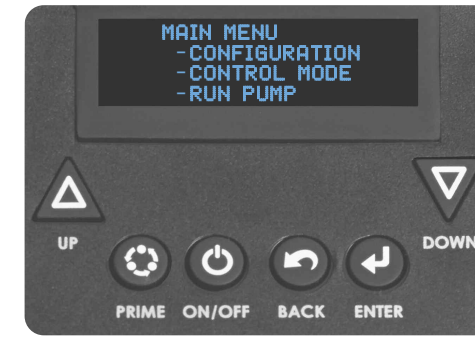
Display Brightness	Password	Relay Outputs
Units	Tube Timer	Firmware Version
Clock	Reset Totalizer	Reset Pump
Calibration	Leak Detect	Go to Main Menu

CONTROL MODE Program the mode of operation and optional alarms

Manual	Pulse	PPM Feed Constant Flow/Flow Switch
4-20mA	Hall Effect	PPM Feed Variable Flow/Hall Effect
0-10VDC	7 Day Timer	Cycle Timer

RUN PUMP

Before selecting to run the pump, the configuration and control mode settings must be programmed. Select RUN PUMP to put the pump in operation. The pump runs based on the programmed settings and the settings are displayed on the control panel screen.



BUTTON	GENERAL FUNCTION	OPERATING MODE FUNCTION
UP	·Moves up in a menu ·Toggles between menu options ·Increases a value	Increases the speed percent in the MANUAL mode
DOWN	·Moves down in a menu ·Toggles between options ·Decreases a value	Decreases the speed percent in the MANUAL mode
PRIME	N/A	Runs pump at 100% speed while button is pressed
ON/OFF	N/A	Turns pump control ON or OFF WARNING: DOES NOT remove power
BACK	Moves one step back in a menu	Cycles the display through the units of output and the control mode specific parameters
ENTER	Sets a value	Press and hold for 2 seconds to go to the MAIN MENU

S SERIES PUMP WITH S30 ITEM NUMBER PREFIX

FLOW RATE OUTPUTS 25 psi (1.7 bar) maximum

Item Number Prefix	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										

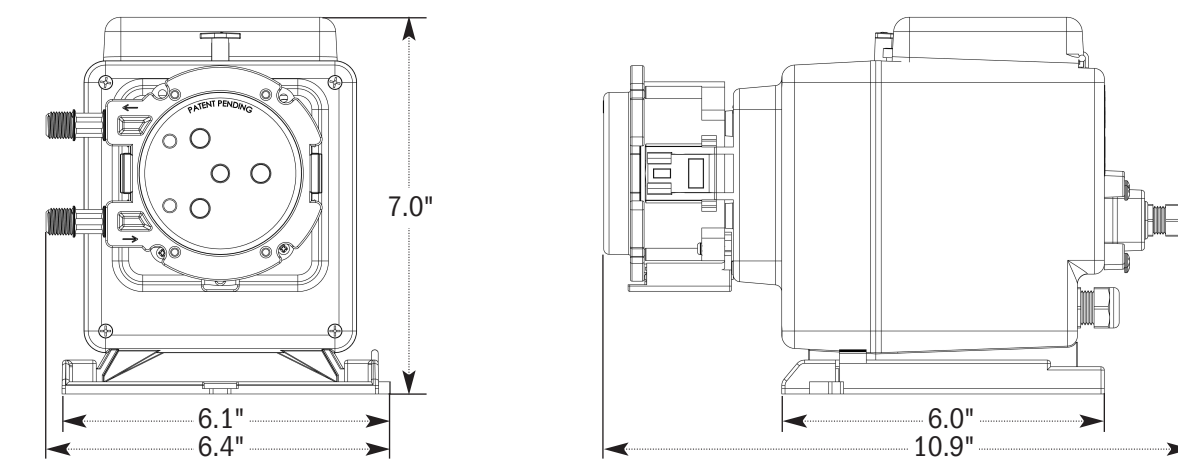
FLOW RATE OUTPUTS 100 psi (6.9 bar) maximum

Item Number Prefix	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.

DIMENSIONS



ACCESSORIES

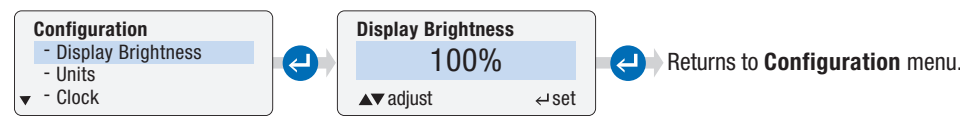
- 3 Connecting Nuts 1/4" or 3/8"
- 3 Ferrules 1/4" or 6 mm Europe
- 1 Injection Fitting 25 psi (1.7 bar) or 1 Injection Check Valve 100 psi (6.9 bar)
- 1 Weighted Suction Line Strainer 1/4", 3/8" or 6 mm Europe
- 1 20' Roll of Suction/Discharge Tubing 1/4" or 3/8", white, UV black or 6 mm white Europe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

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, go to [Support/Downloads/S Series/Manuals & Instructions](#). For assistance, contact techsupport@stenner.com or 904.641.1666 or 800.683.2378.

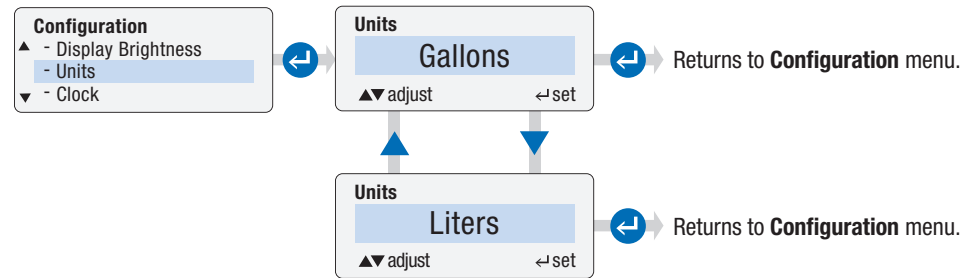
DISPLAY BRIGHTNESS

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.



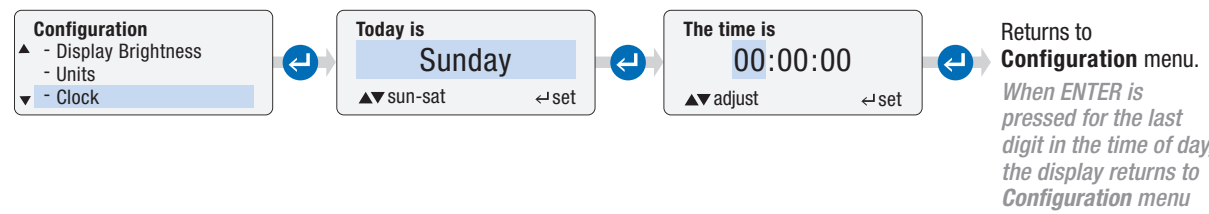
UNITS

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

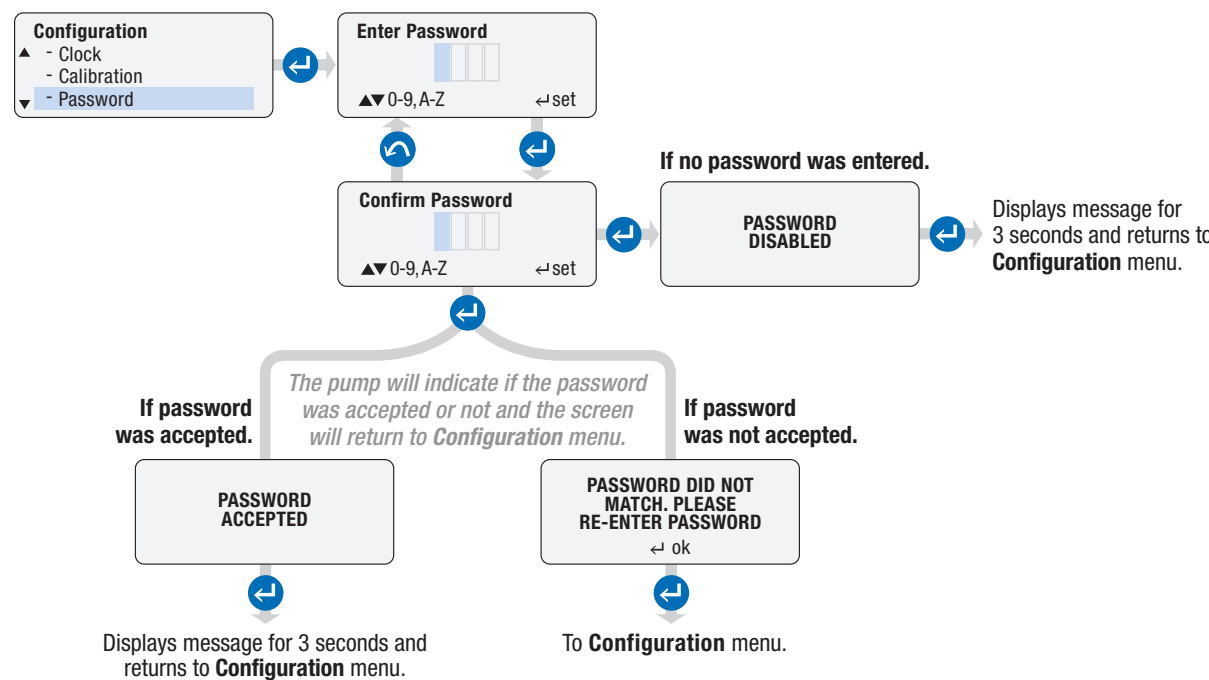
Allows the user to set the current day of the week and the time of the day. The time is set in a 24 hour clock format only.
NOTE: For the time, the first two digits that control the hour are highlighted together.



PASSWORD

Allows user to set a password to prevent unauthorized changes to the pump settings.

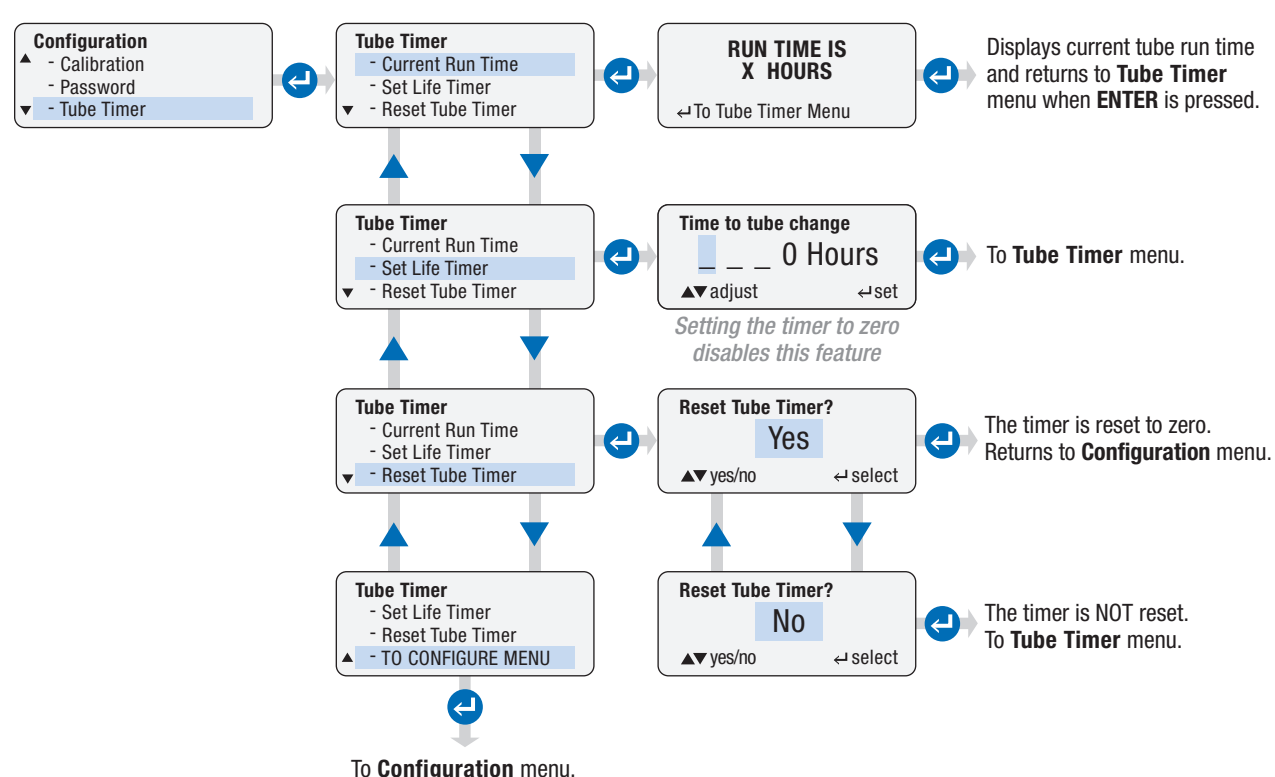
- Each digit can be set for 0-9 or A-Z.
- When the password is set, it must be entered during the Operating Display mode (in Run Pump) in order to enter the Main Menu.
- Leaving the password blank disables the password feature. The password is disabled by default.



TUBE TIMER

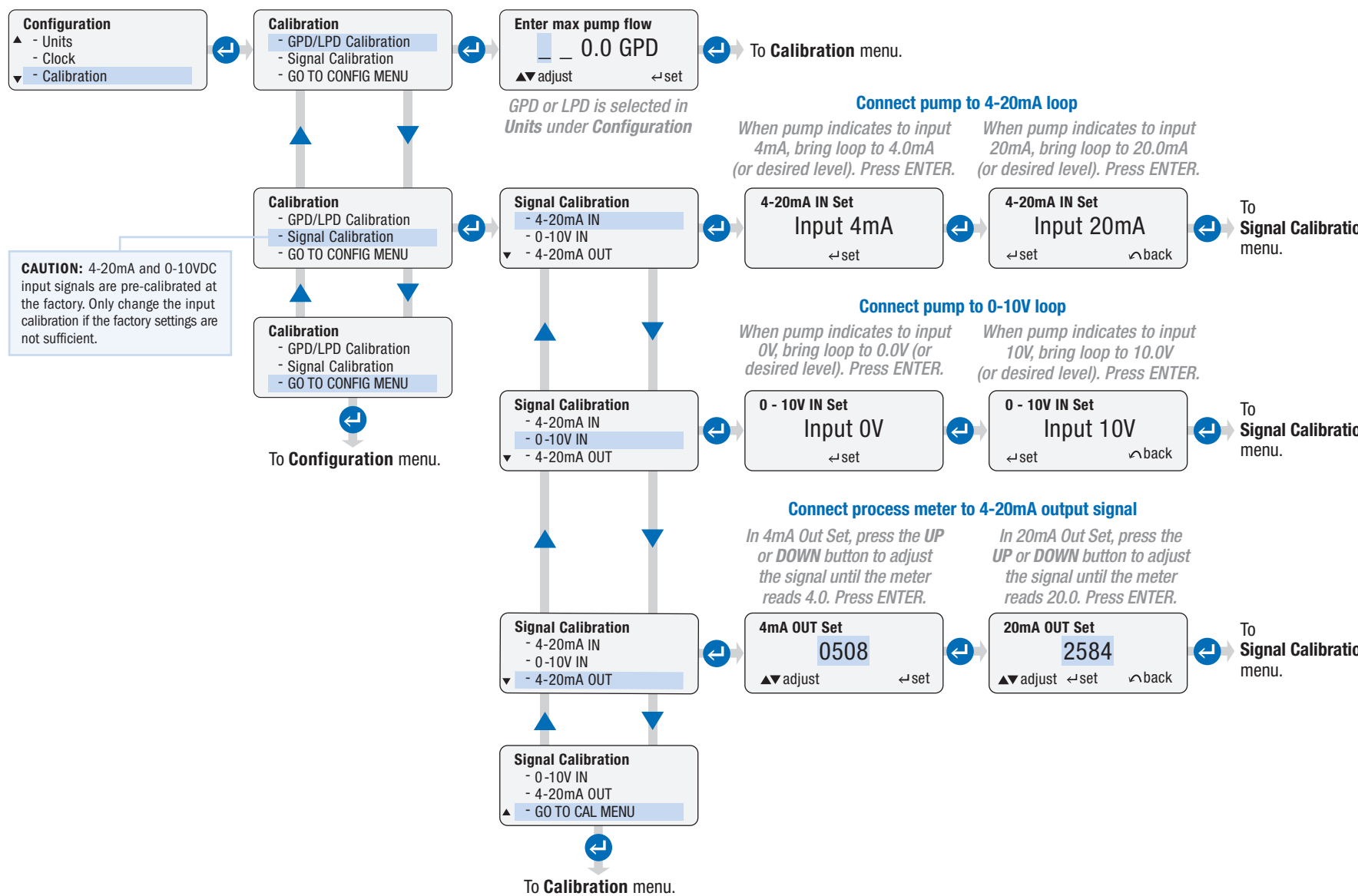
Allows user to set the tube run time in hours, to initiate the tube change indicator. When the set time is reached, the Operating Display shows Tube Change.

- After the tube is replaced, reset the current run time to zero.



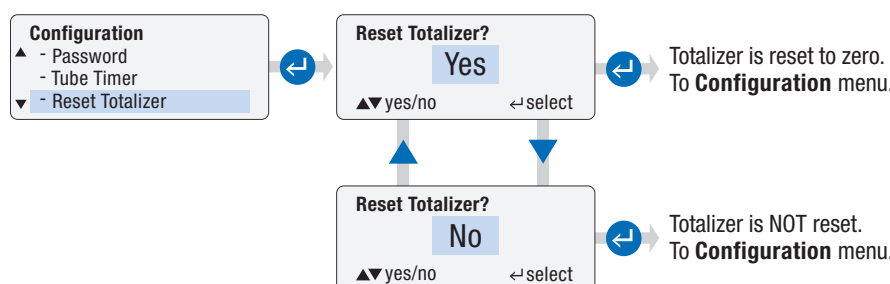
CALIBRATION

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.



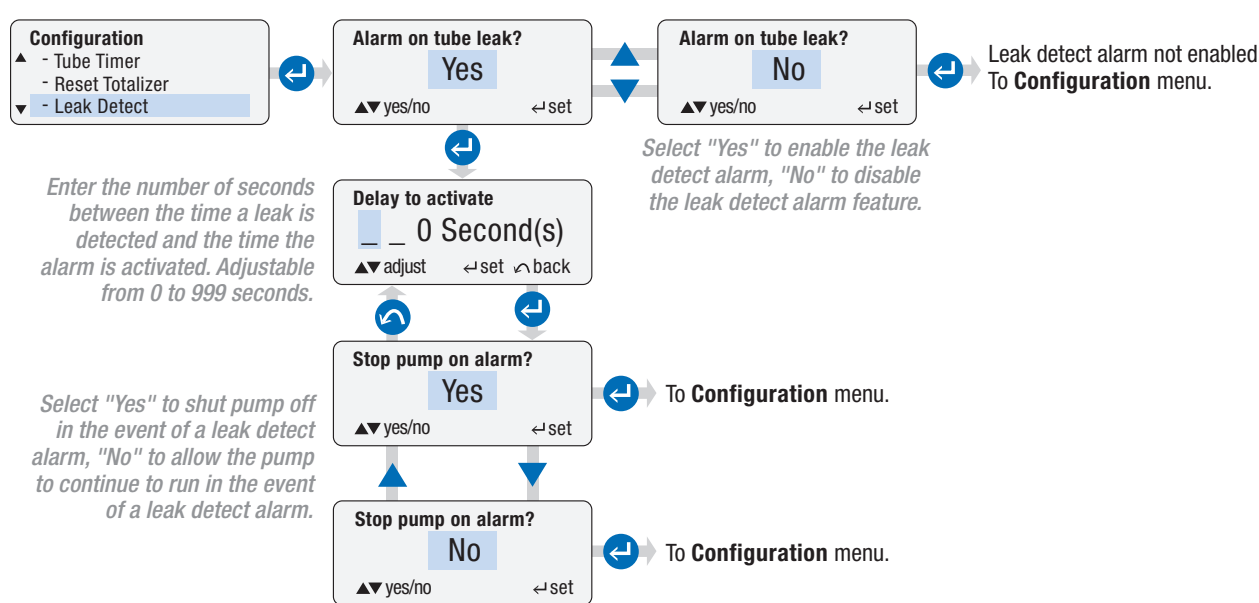
RESET TOTALIZER

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



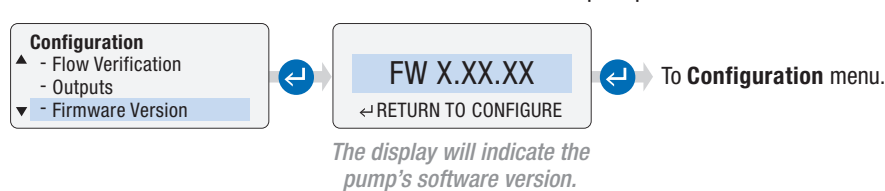
LEAK DETECT

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



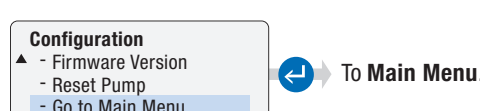
FIRMWARE VERSION

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



GO TO MAIN MENU

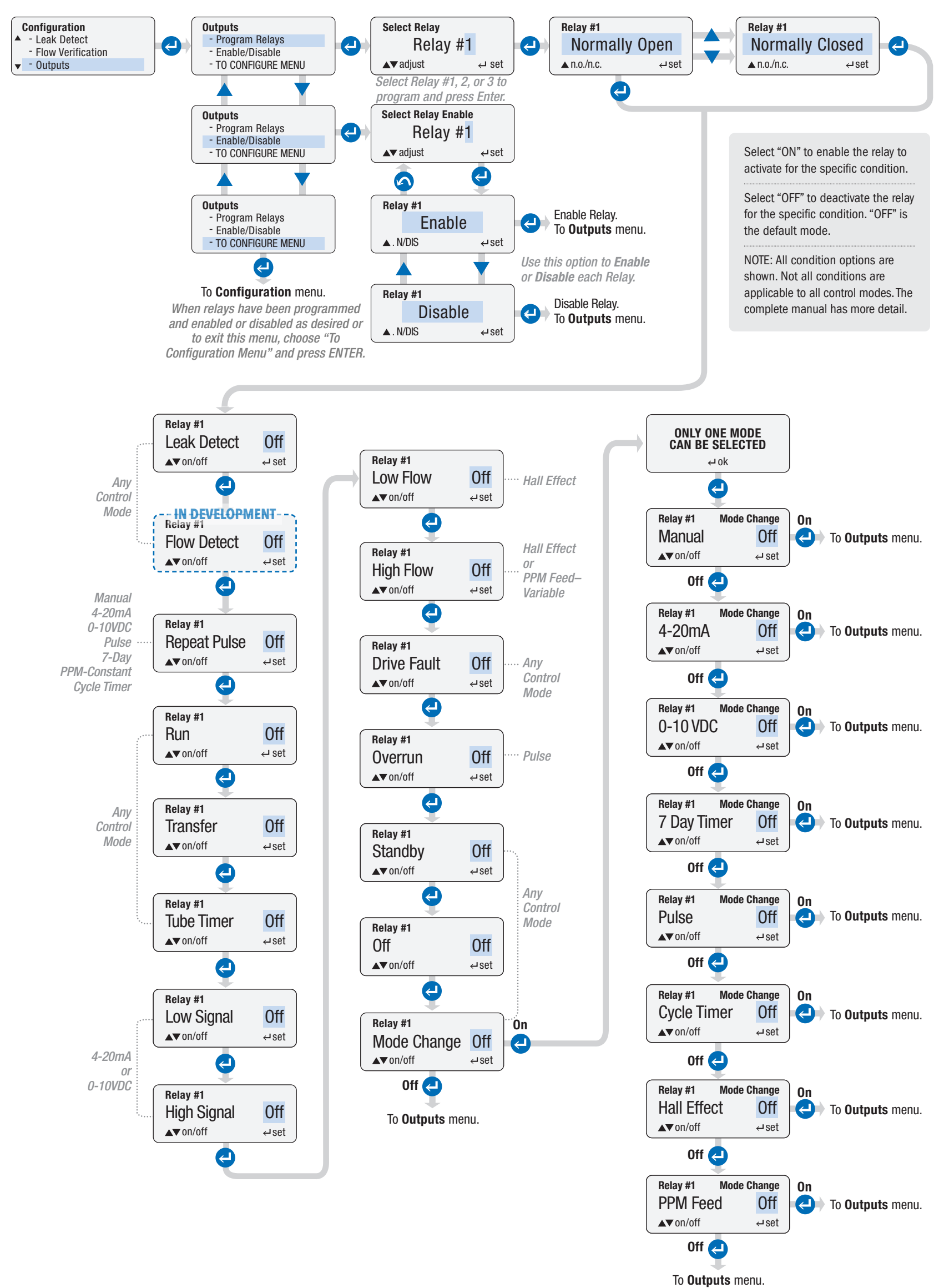
Allows user to return to the Main Menu.



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.
NOTE: When resetting a pump with the firmware version 2.01.04 or higher, the 4-20mA input signal calibration will be restored to factory defaults.

