eOne Menu Guide

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INTRODUCTION

Welcome to the eOne Menu guide. If you are a first-time user of the eOne dosing pump we recommend you begin working through this guide sequentially from section 1.0 to 3.0 to understand the broad strokes of the eOne interface. It shouldn't take more than a few minutes before you can confidently proceed to programming the exact type of dosing control you require.

It should be noted that functions and parameters which are unique to the **eOne Plus** pump are detailed in sections 4.0 and 5.0.

If you have any comments, questions, or have even noticed errors please contact us at info@etatron.co.uk. You should receive a timely response.

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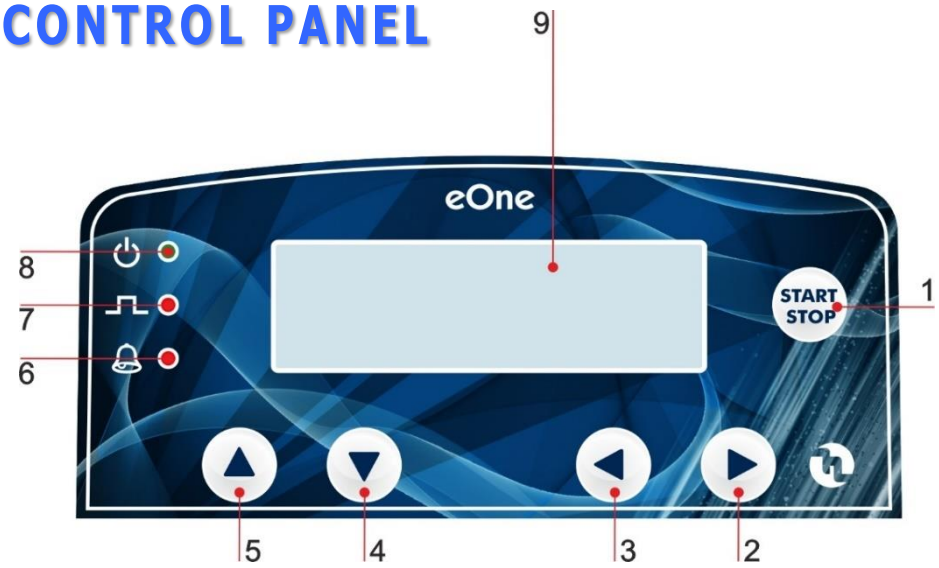
1.0 THE CONTROL PANEL



1. **Start/Stop** – controls pump operation, holding for three seconds begins priming mode for calibration purposes.
2. **Right arrow** – menu navigation and value settings
3. **Left arrow** – menu navigation and value settings
4. **Down arrow** – value selection and enter key
5. **Up arrow** – for value selection and menu navigation
6. **Yellow LED** – alarm circuit (i.e. flow status, power failure, maximum impulse difference)
7. **Red LED** – injection signalling
8. **Red/Green LED** – standby/power indicator
9. **Graphic display –** pump status read out

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2.0 SETUP

When you switch on your eOne for the first time you should see the menu illustrated to the left.

If this is not what you see your pump is already setup – proceed to next section.

It is possible to select a mode which limits the control functions of your eOne for simplicities sake.

Here is a table displaying all configuration possibilities. It should be emphasised that **FW04** and **FW08** are eOne Plus exclusive.

Configuration	Type	Manual	1 x N	1 x N(m)	1 ÷ N	ml x p	L x P	ml x m³	PPM	mA MODE	Timer	pH Instrument	Rx Instrument	Cl (PPM)
VFT	FW01	✓	✓	✓	✓									
VFT-S	FW02	✓				✓	✓	✓	✓	✓				
MF	FW03	✓	✓	✓	✓	✓	✓	✓	✓	✓				
ST	FW04	✓										✓	✓	✓
VFT-T	FW05	✓	✓	✓	✓						✓			
VFT-S-T	FW06	✓				✓	✓	✓	✓	✓	✓			
MF-T	FW07	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
ST-T	FW08	✓									✓	✓	✓	✓

Use the ◀ ▶ arrow buttons to select a mode and START STOP to enter. Press START STOP again to begin operating mode selection. You can repeat setup as many times as you like by performing a hard reset (see section 3.11.16).

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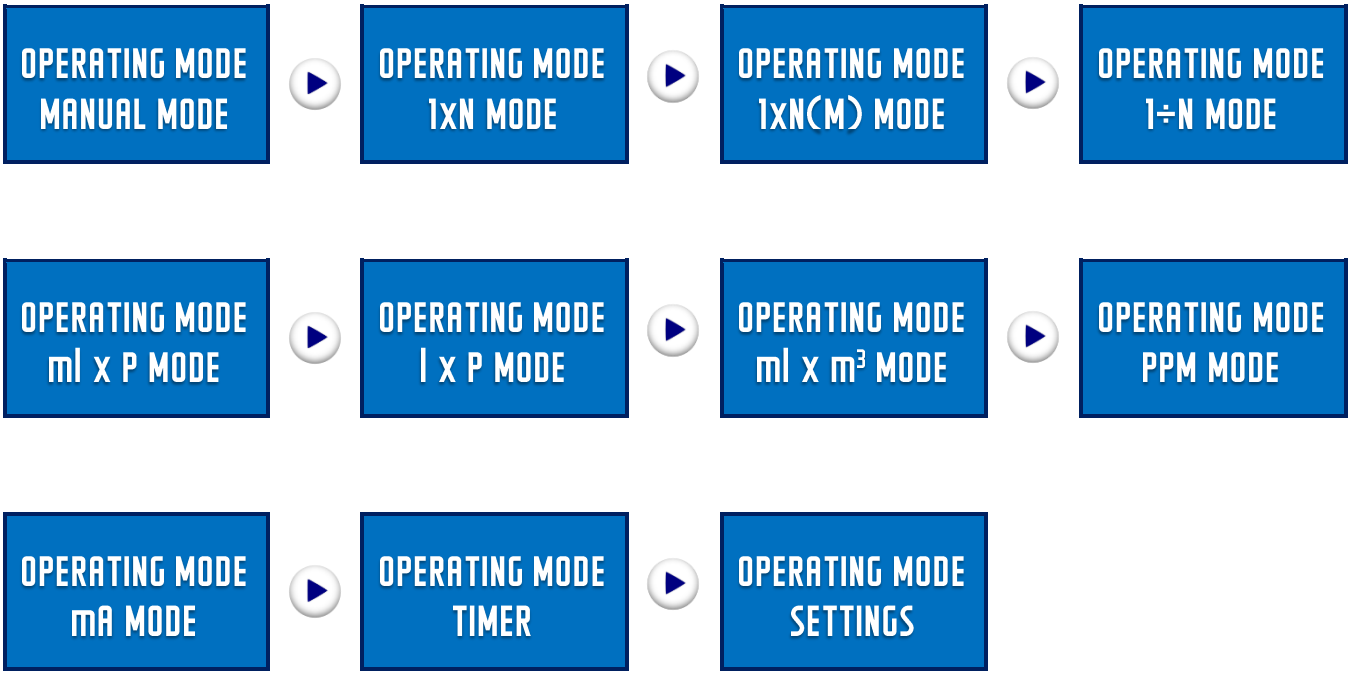
3.0 OPERATING MODES - OVERVIEW

After setup you will enter the operating mode selection menu. Use the arrows to select your desired mode, consult the rest of this manual for a map of each mode.



If you selected a mode other than **FW07** some of the options above will not be visible.

If you selected **FW04** or **FW08** mode proceed to section 4.0.0.

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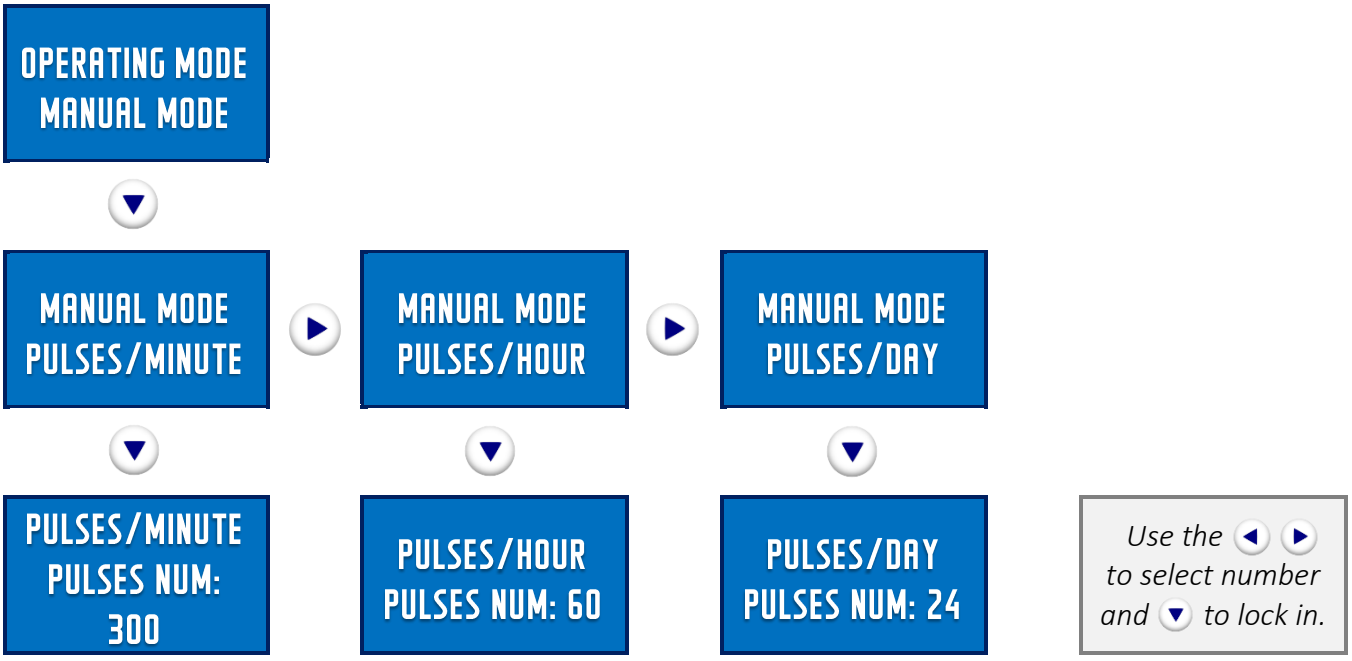
3.1 OPERATING MODES - MANUAL

Manual mode is the simplest mode.



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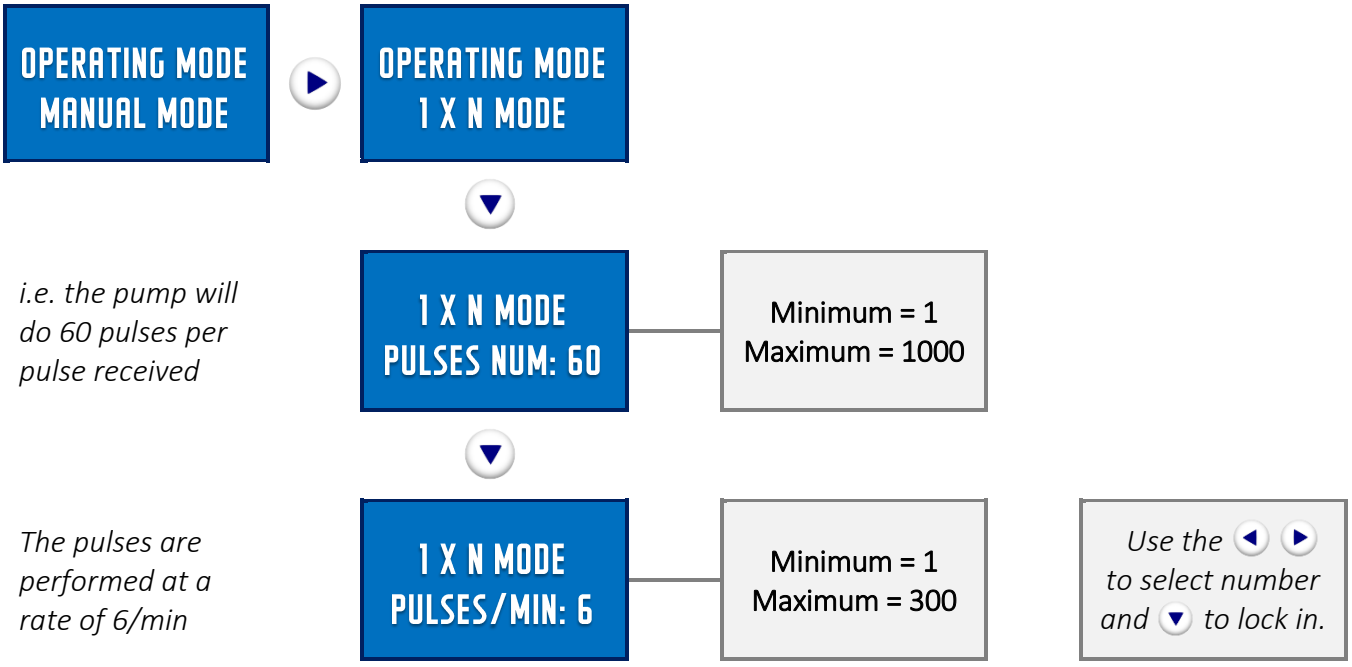
3.2 OPERATING MODES – 1xN

The 1xN control option is a proportional dosing mode.



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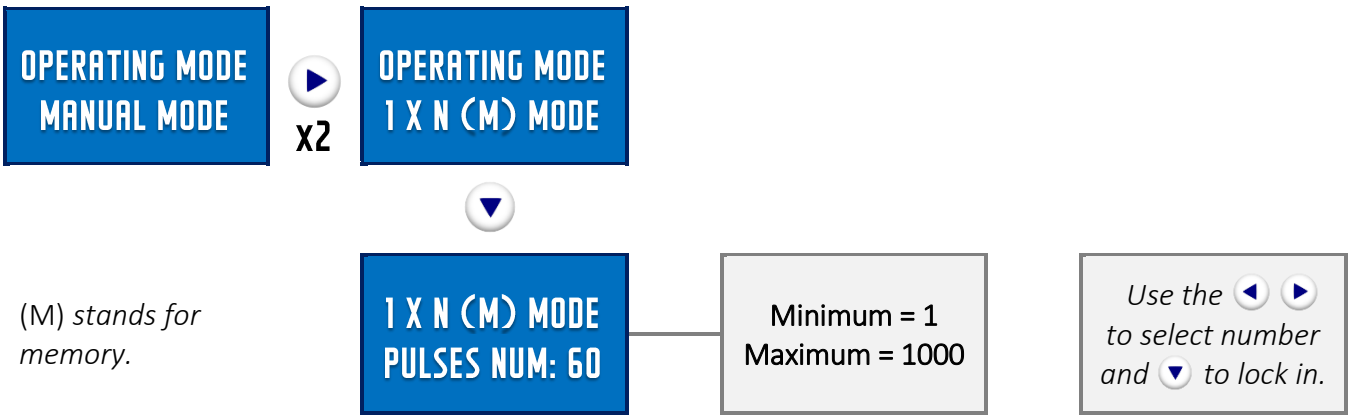
3.3 OPERATING MODES – 1xN(M)

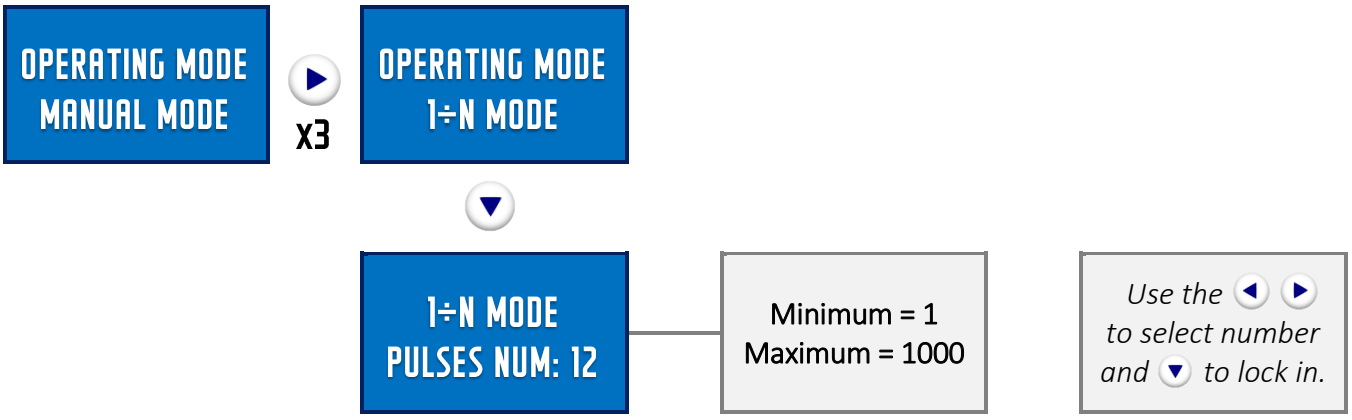
A proportional dosing mode.



(M) *stands for memory.*

3.4 OPERATING MODES - 1÷N

Another proportional dosing mode.



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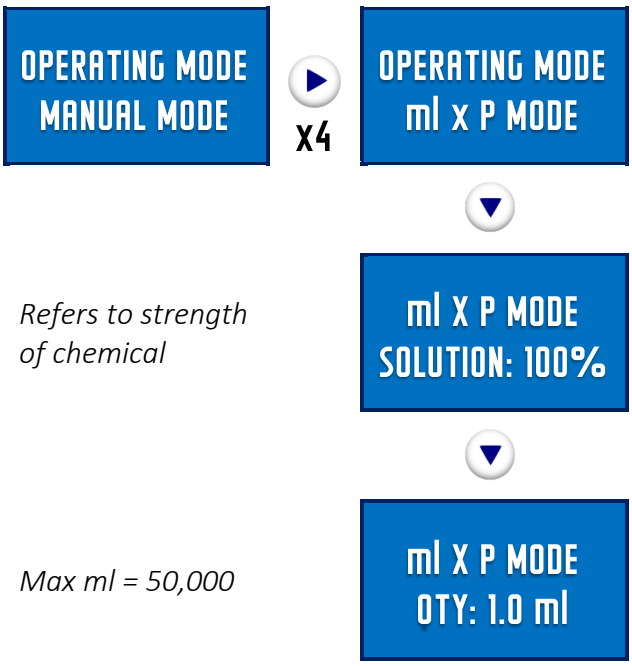
3.5 OPERATING MODES – ml x P

A batch dosing control method.



Refers to strength of chemical

Max ml = 50,000

Use the ◄ ► to select number and ▼ to lock in.

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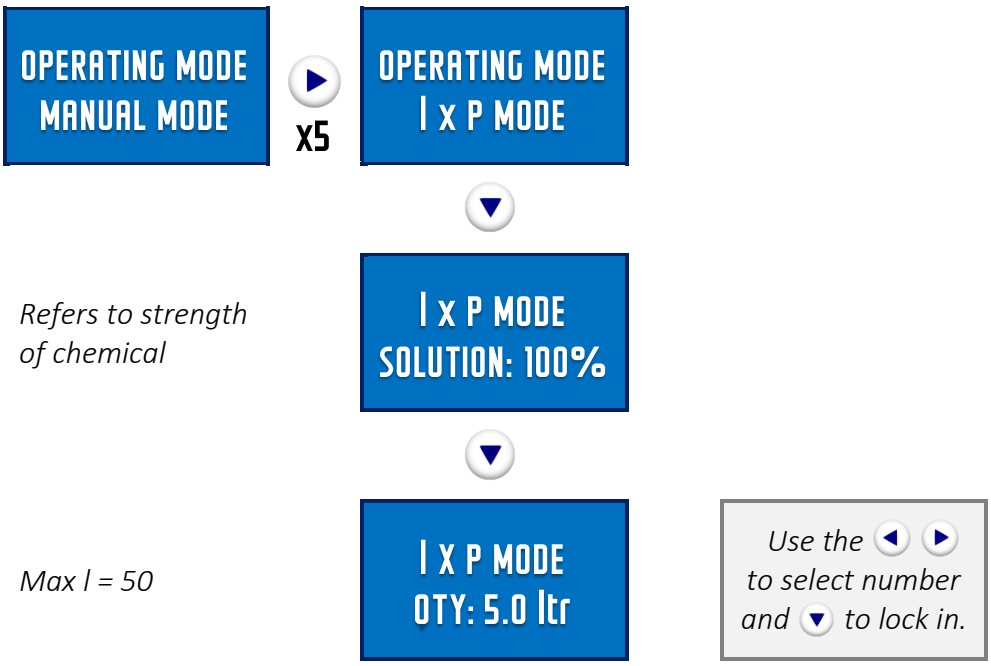
3.6 OPERATING MODES – l x P

A batch dosing control method.



Refers to strength of chemical

Max l = 50

Use the ◄ ► to select number and ▼ to lock in.

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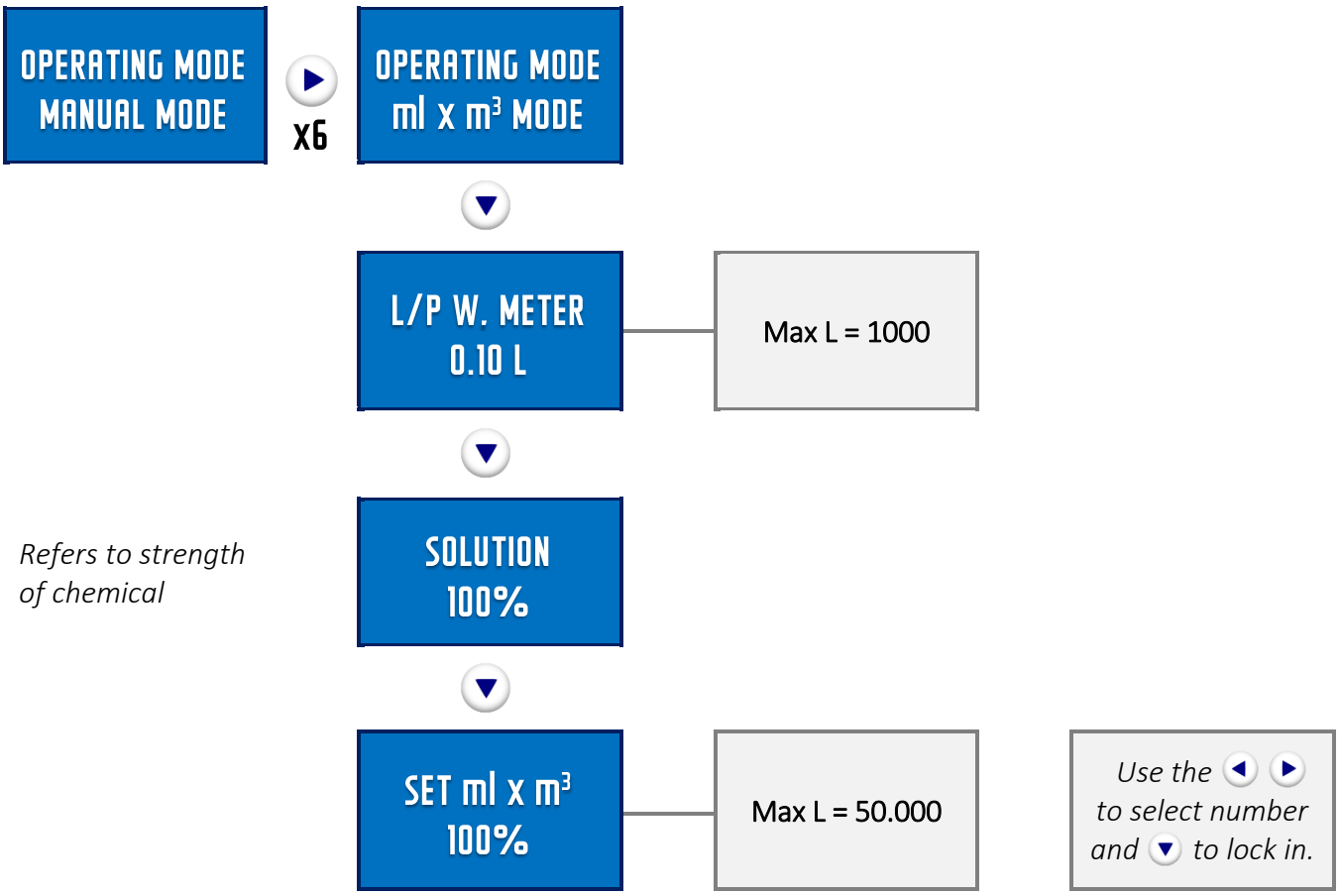
3.7 OPERATING MODES – ml x m³

A batch dosing control method.



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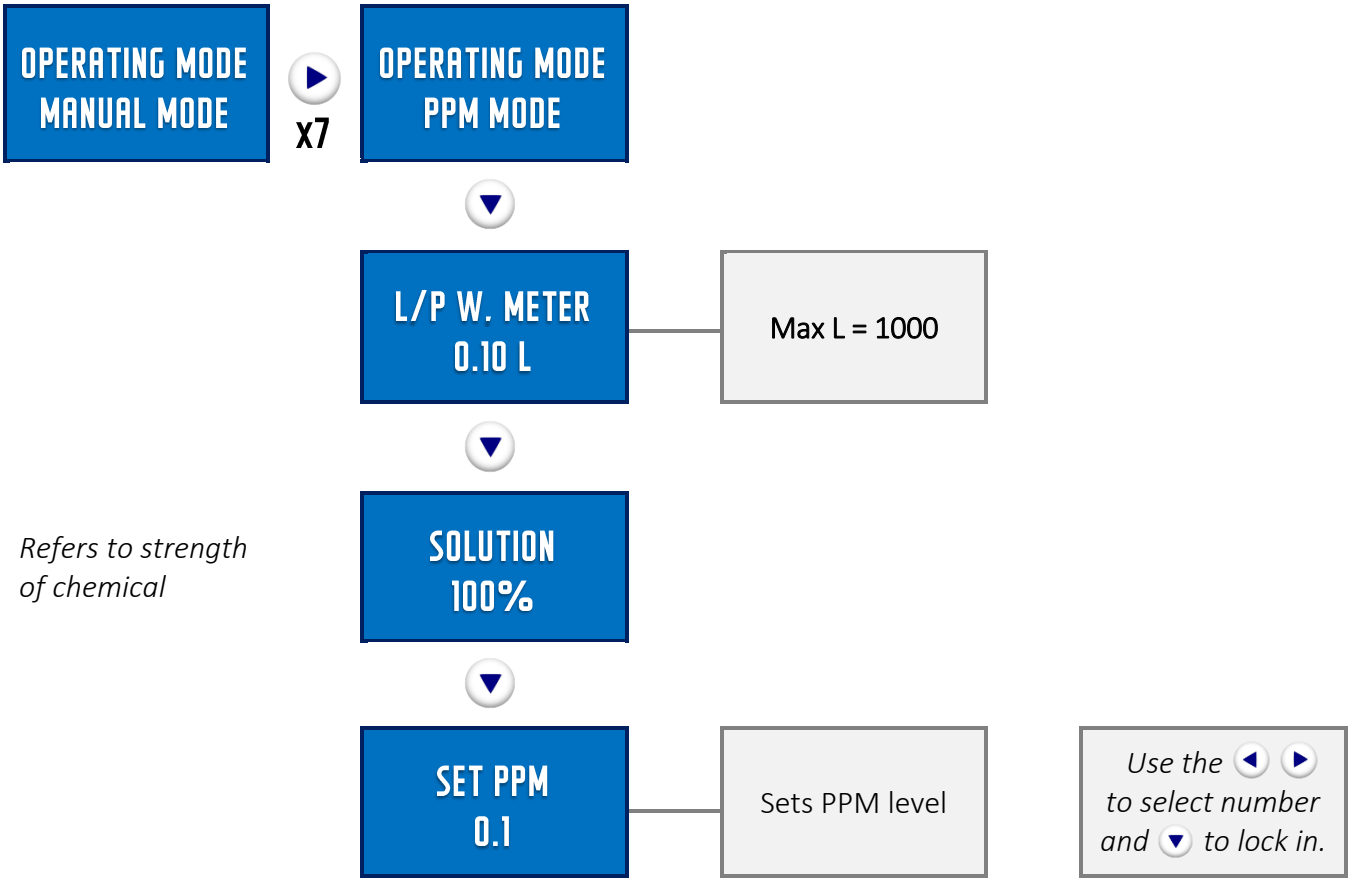
3.8 OPERATING MODES – PPM

PPM (parts per million) is a popular control method in the leisure industry.



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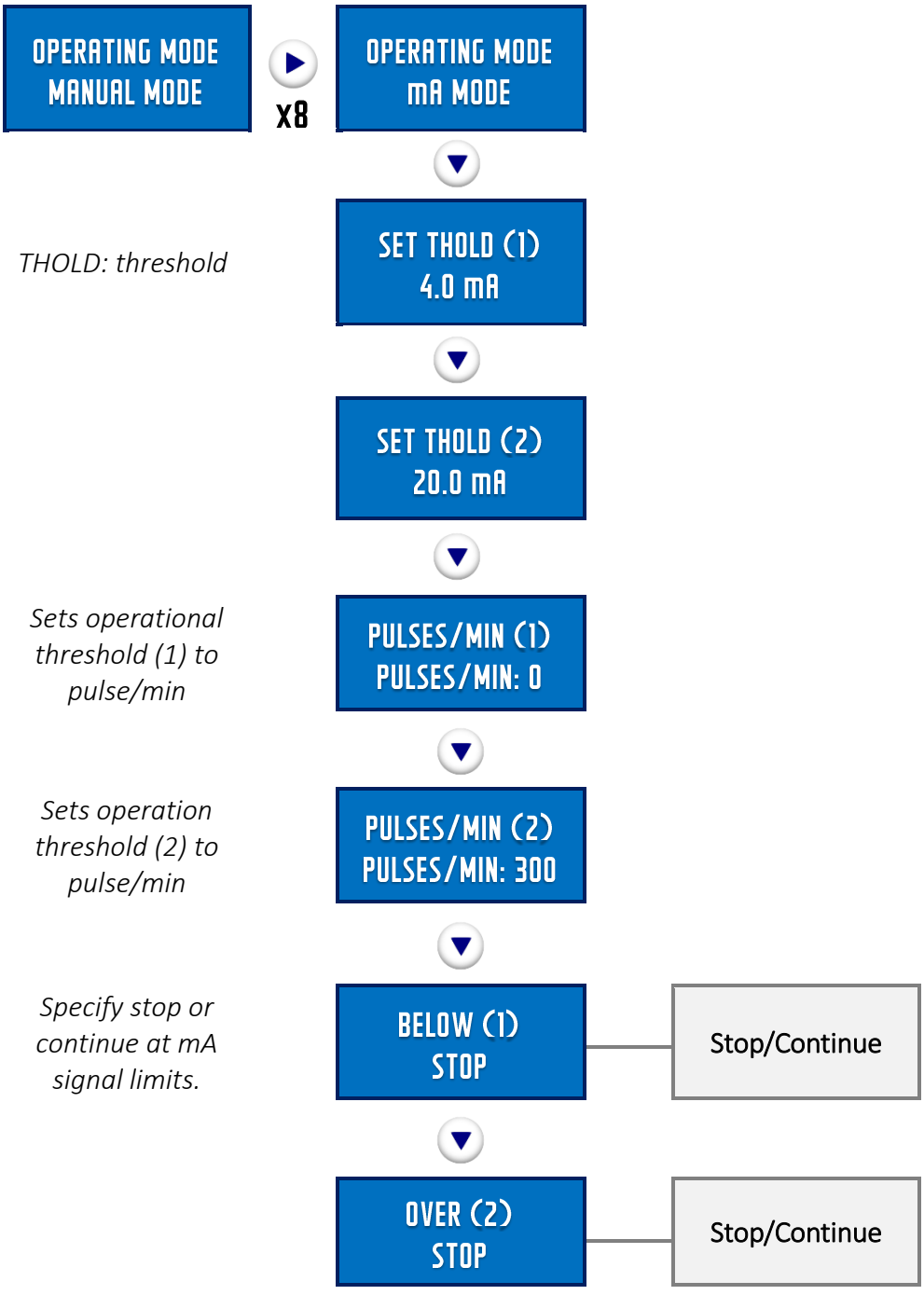
3.9 OPERATING MODES – mA



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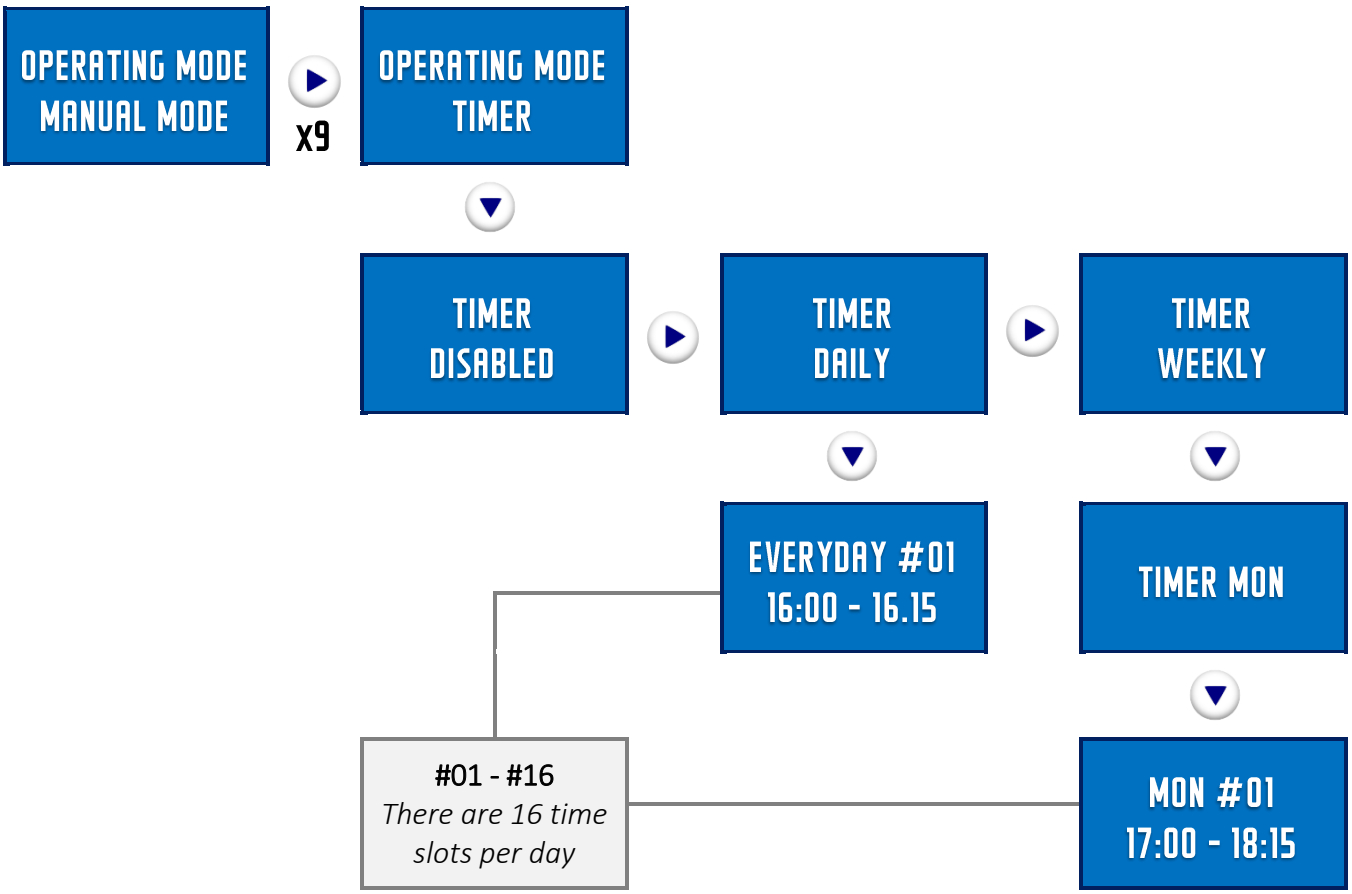
3.10 OPERATING MODES – TIMER

Timer mode is a popular choice for biocide dosing.



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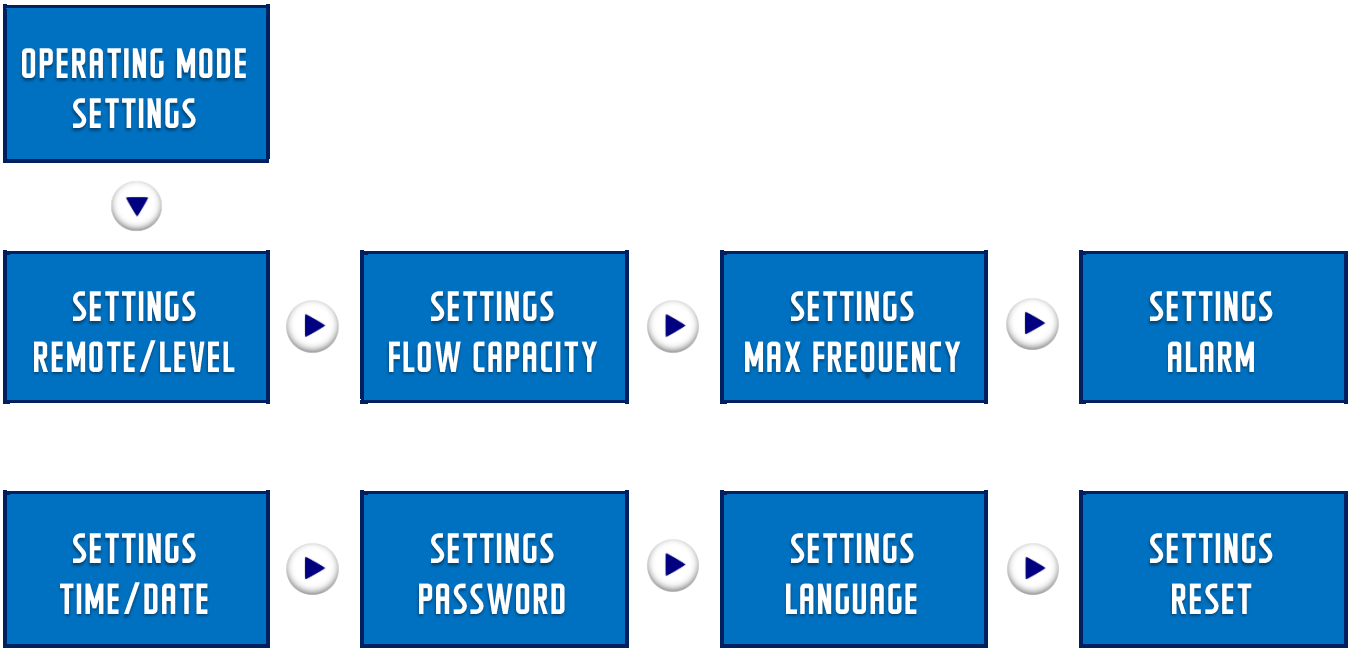
3.11.0 OPERATING MODES – SETTINGS



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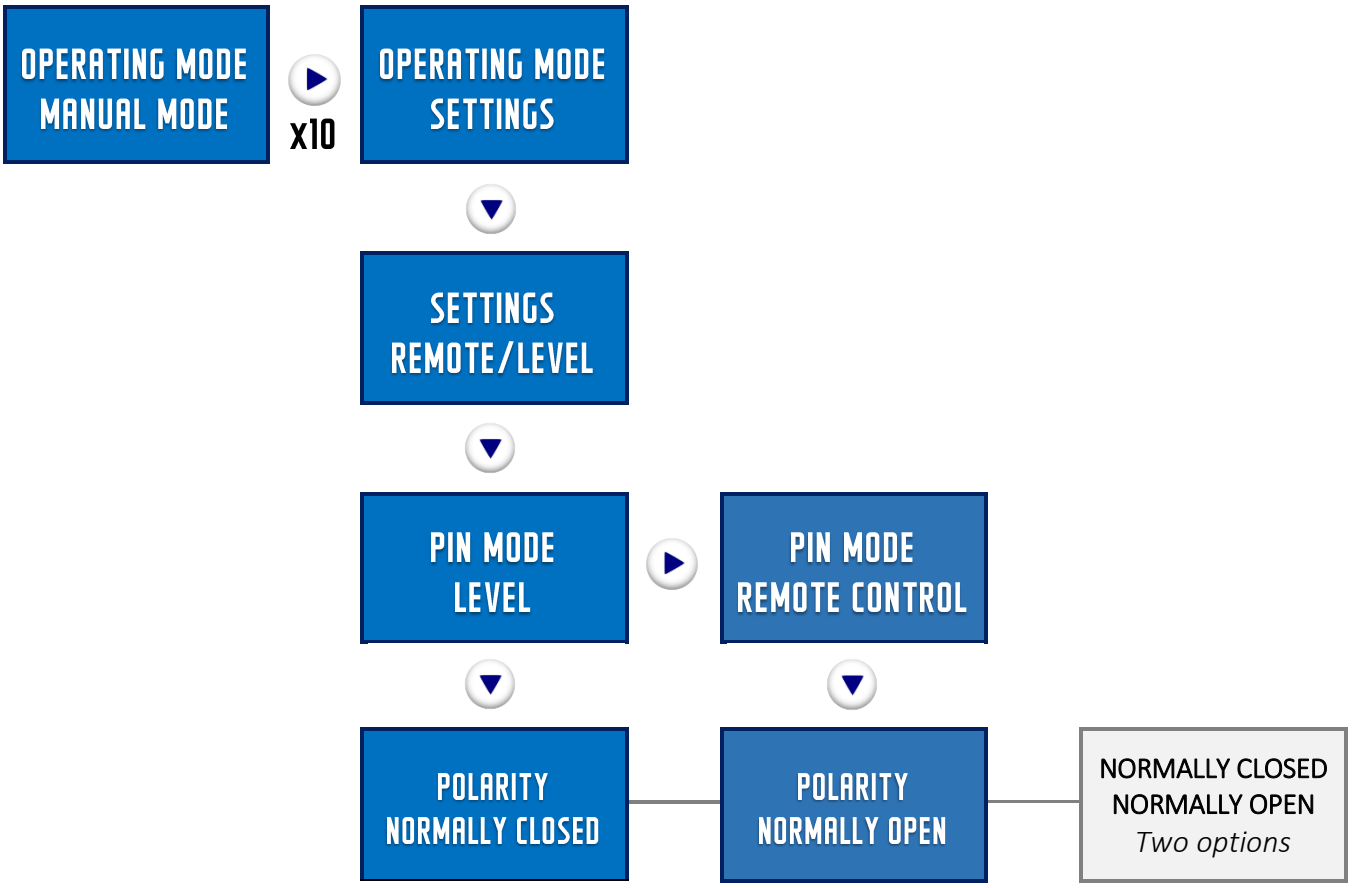
3.11.1 SETTINGS – REMOTE LEVEL

For level meter controlled operations.



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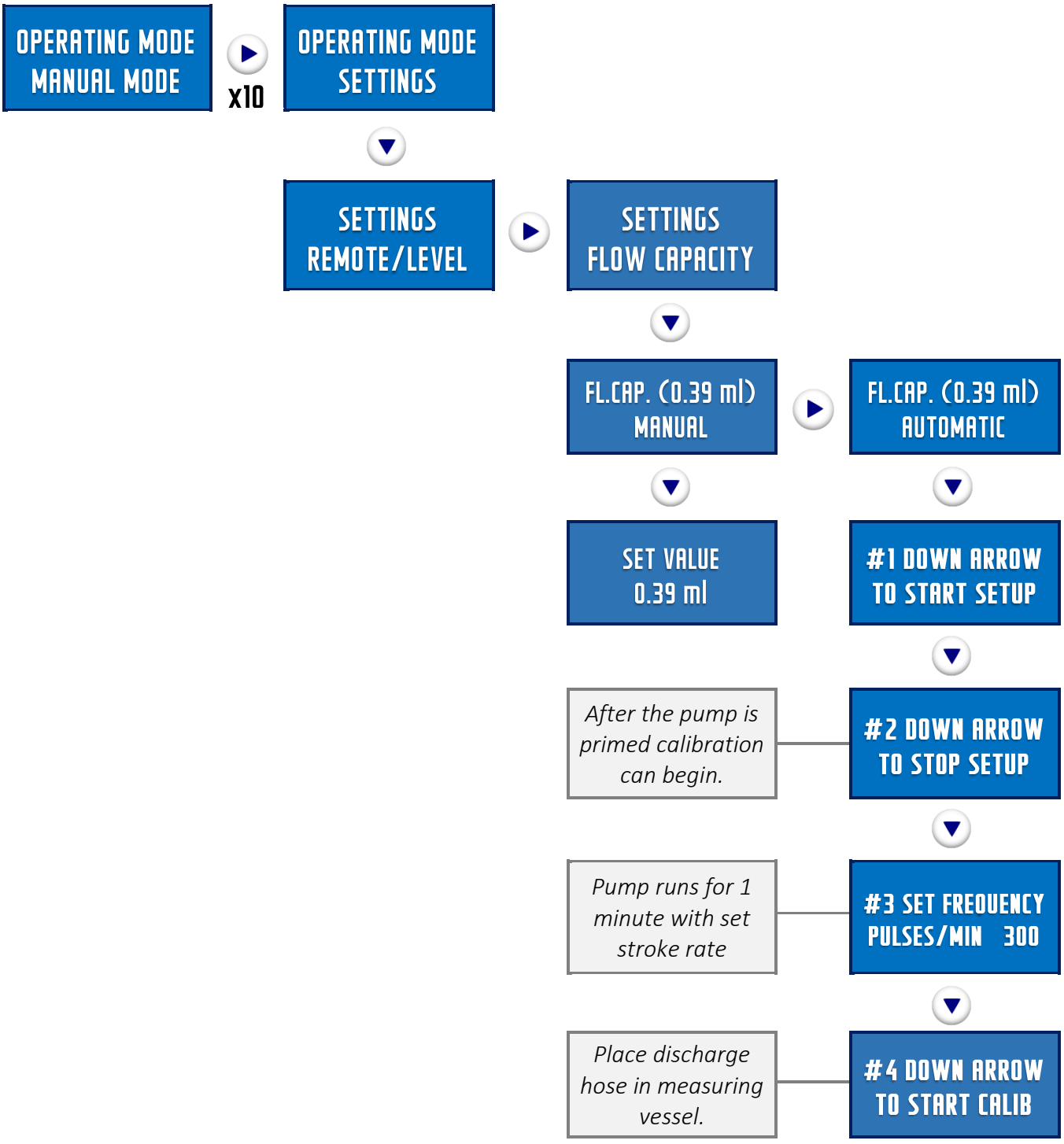
3.11.2 SETTINGS – REMOTE LEVEL – FLOW CAPACITY



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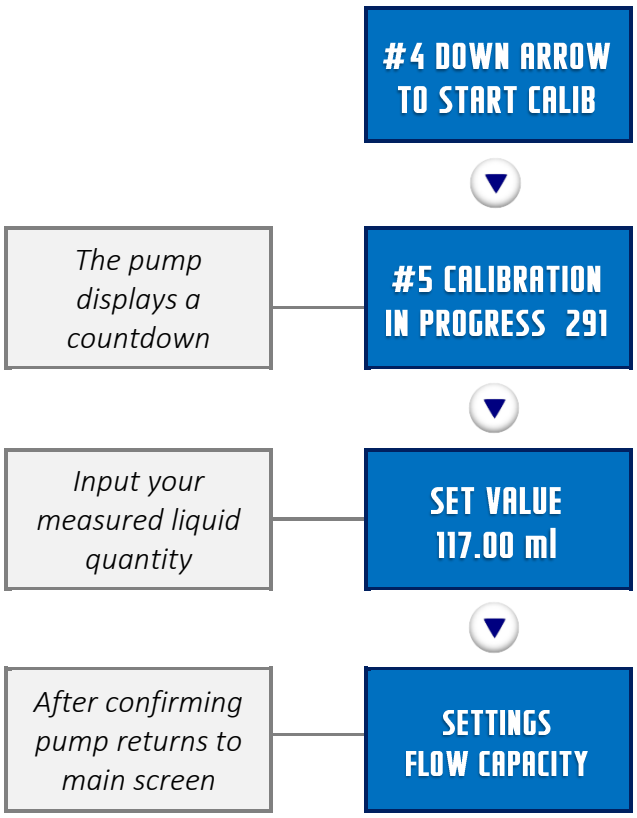
3.11.2 SETTINGS – REMOTE LEVEL – FLOW CAPACITY

Continued from page above.



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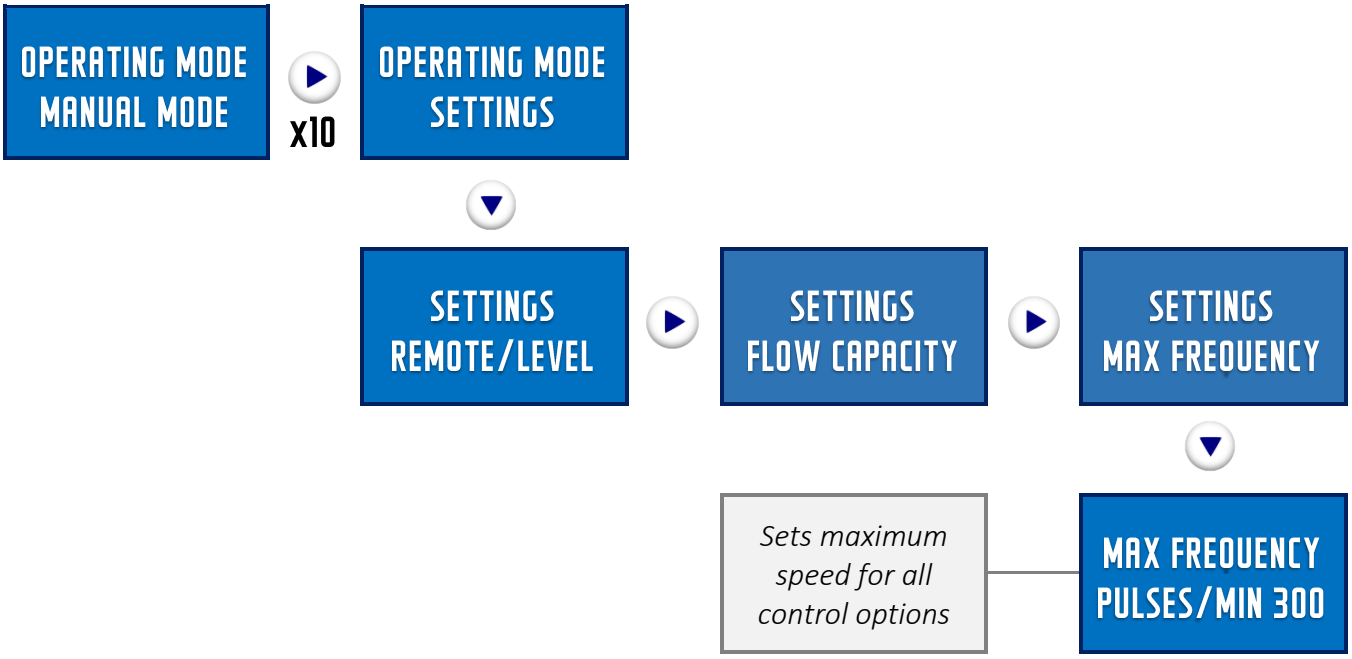
3.11.3 SETTINGS – MAX FREQUENCY

Sets the maximum frequency the pump can operate at.



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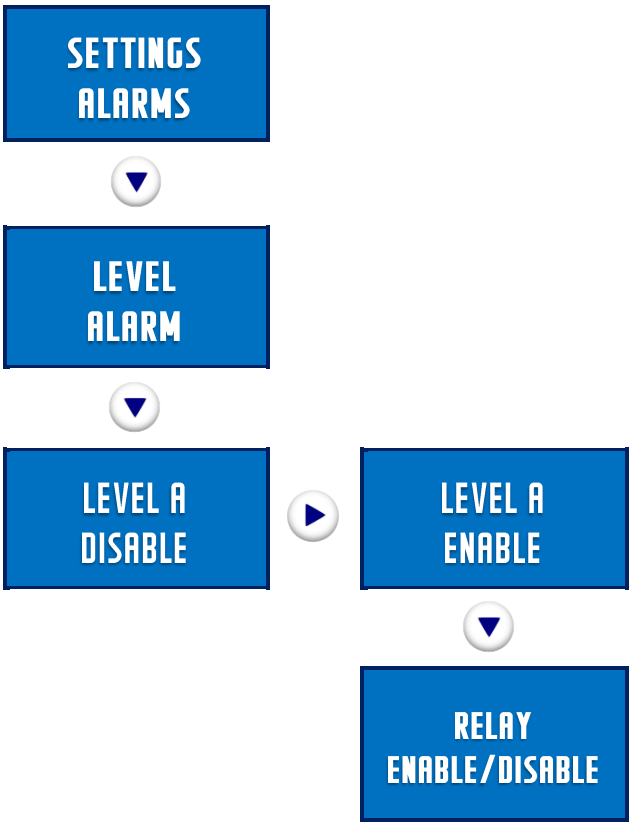
3.11.4 SETTINGS – LEVEL ALARMS

For activation of an alarm circuit with a level meter.



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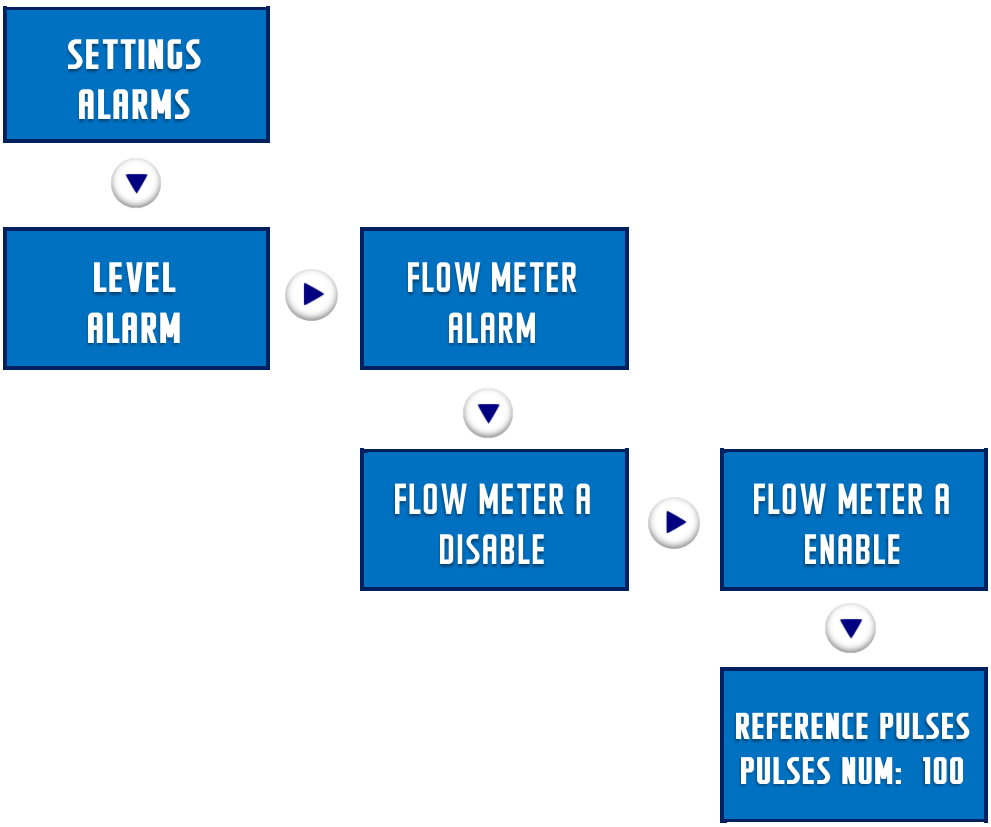
3.11.5 SETTINGS – FLOW METER ALARMS

For activation of an alarm circuit with a flow meter.



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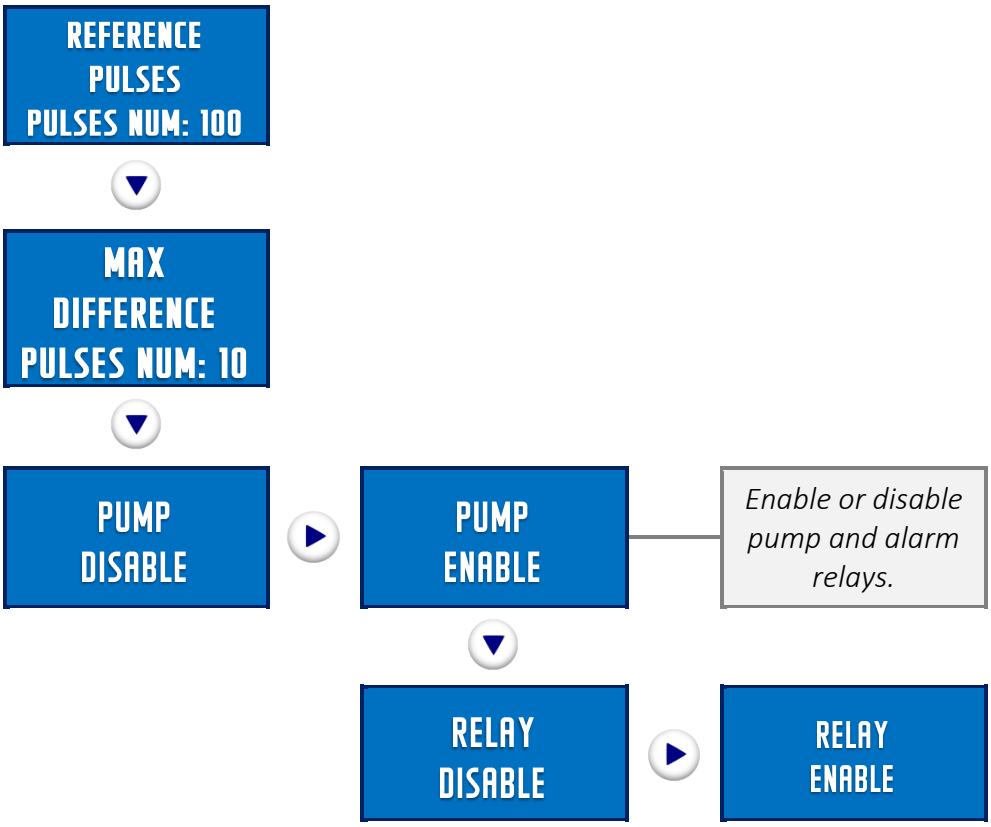
3.11.5 SETTINGS – FLOW METER ALARMS

Continued from previous page.



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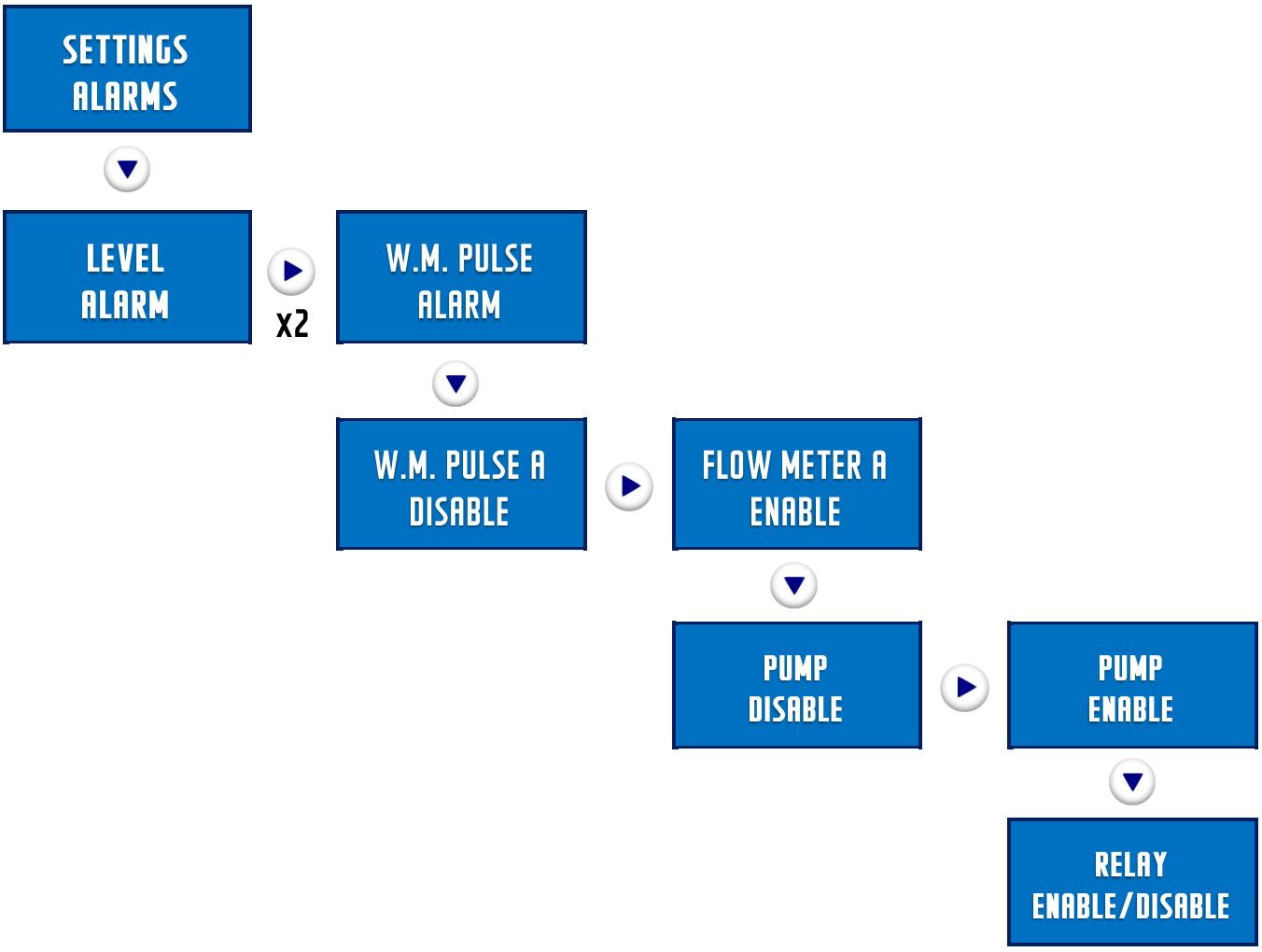
3.11.6 SETTINGS – WATER METER PULSE ALARM



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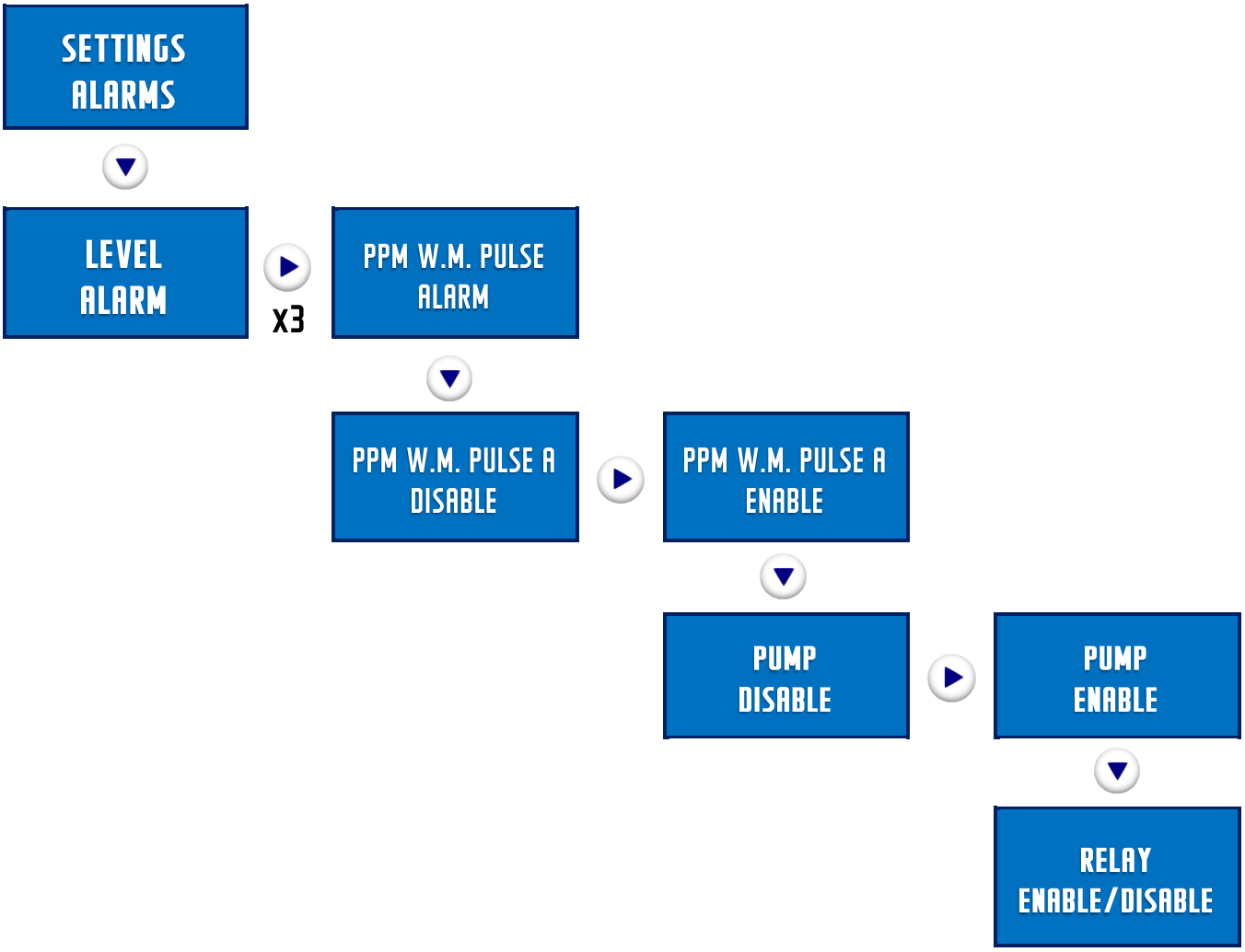
3.11.7 SETTINGS – PPM WATER METER PULSE ALARM



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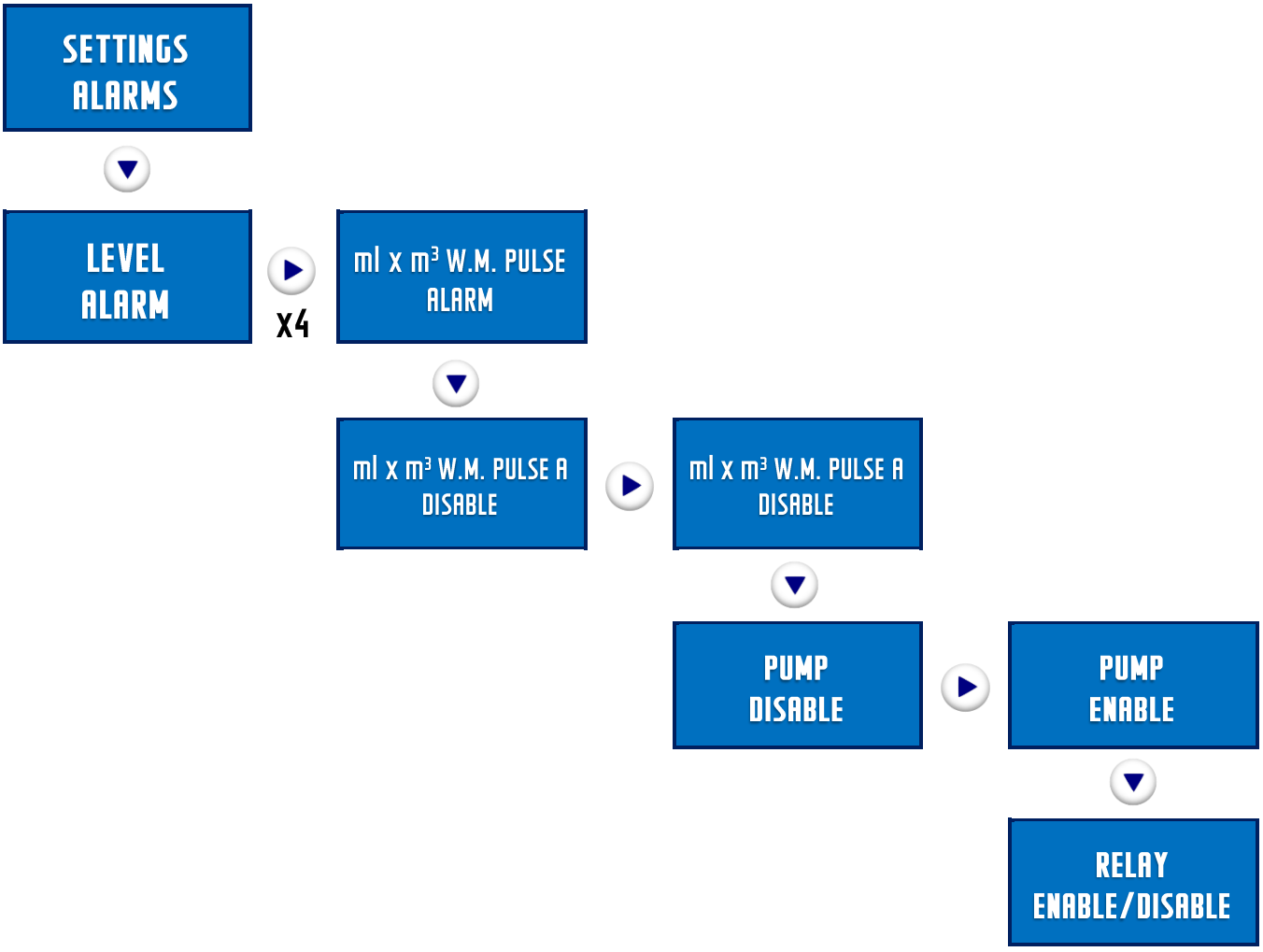
3.11.8 SETTINGS – ml x m³ WATER METER PULSE ALARM



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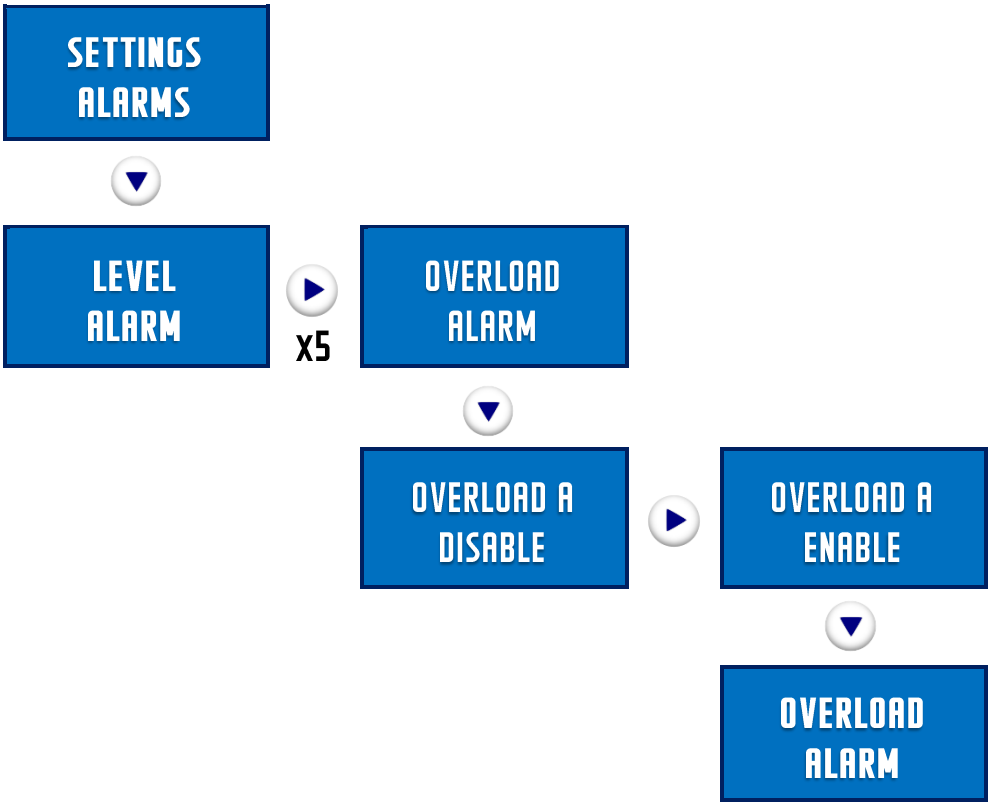
3.11.9 SETTINGS – OVERLOAD ALARM



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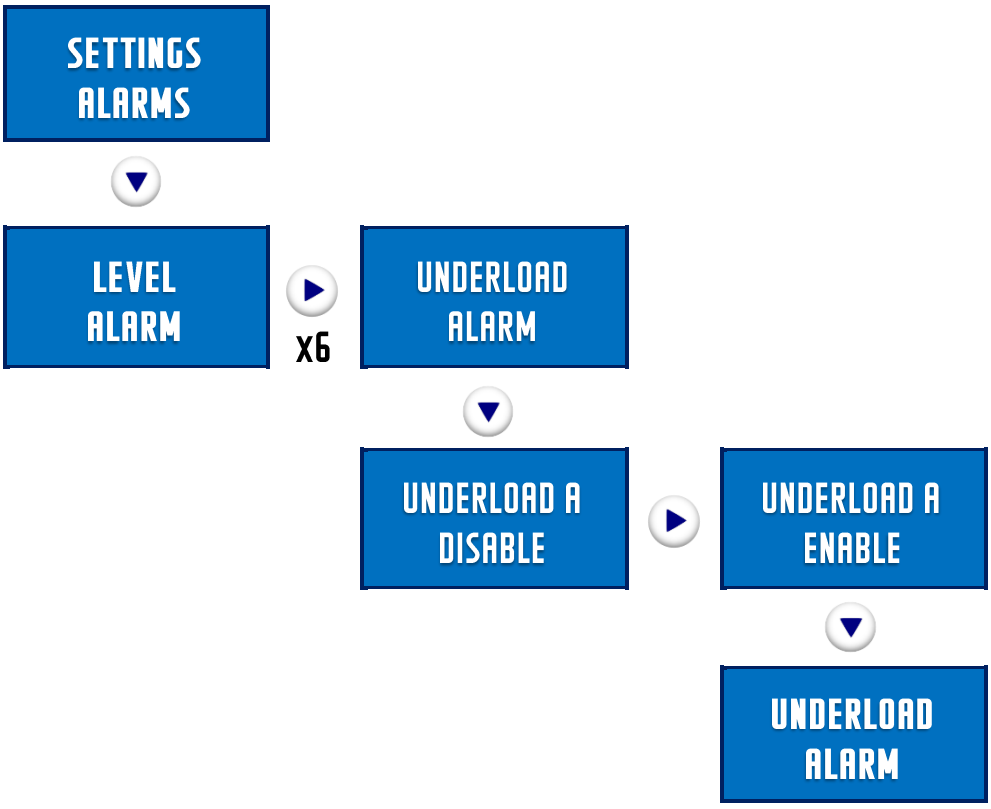
3.11.10 SETTINGS – UNDERLOAD ALARM



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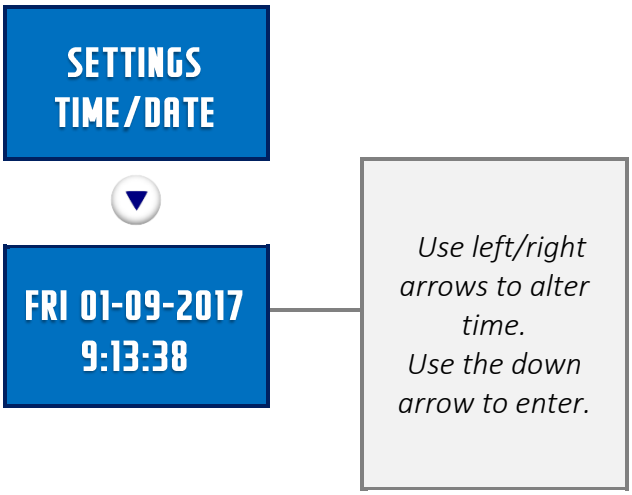
3.11.11 SETTINGS – TIME/DATE



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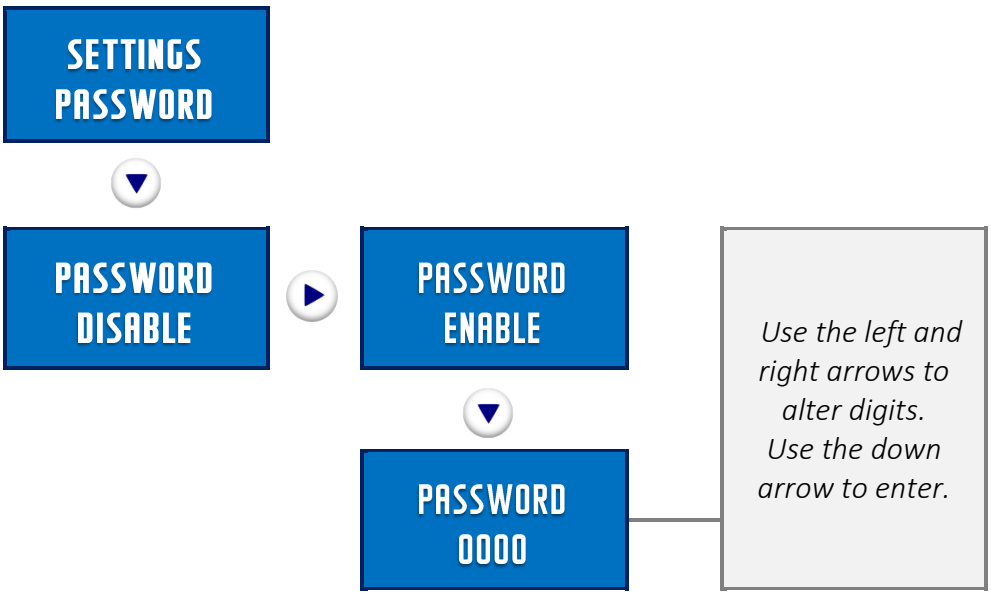
3.11.12 SETTINGS – PASSWORD MENU



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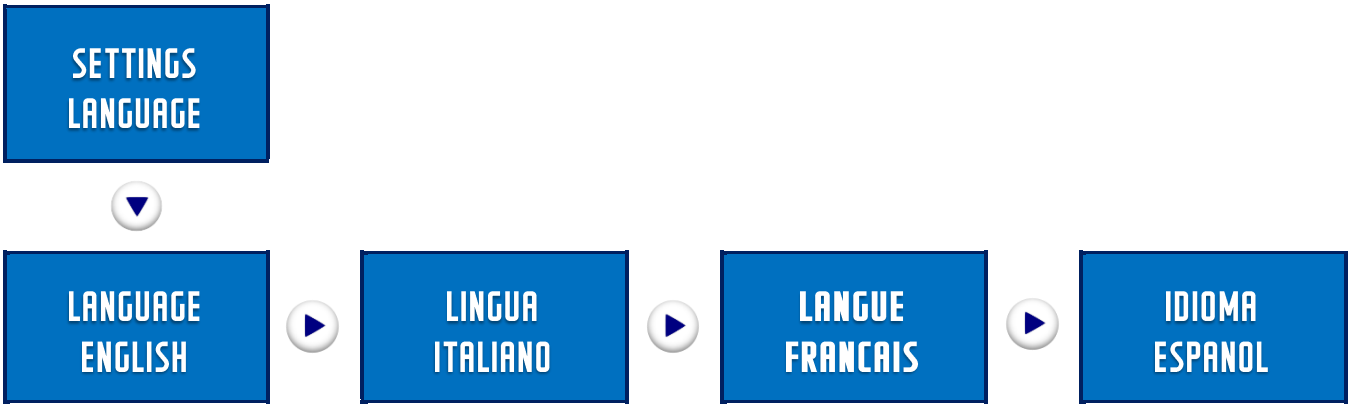
3.11.13 – LANGUAGE MENU



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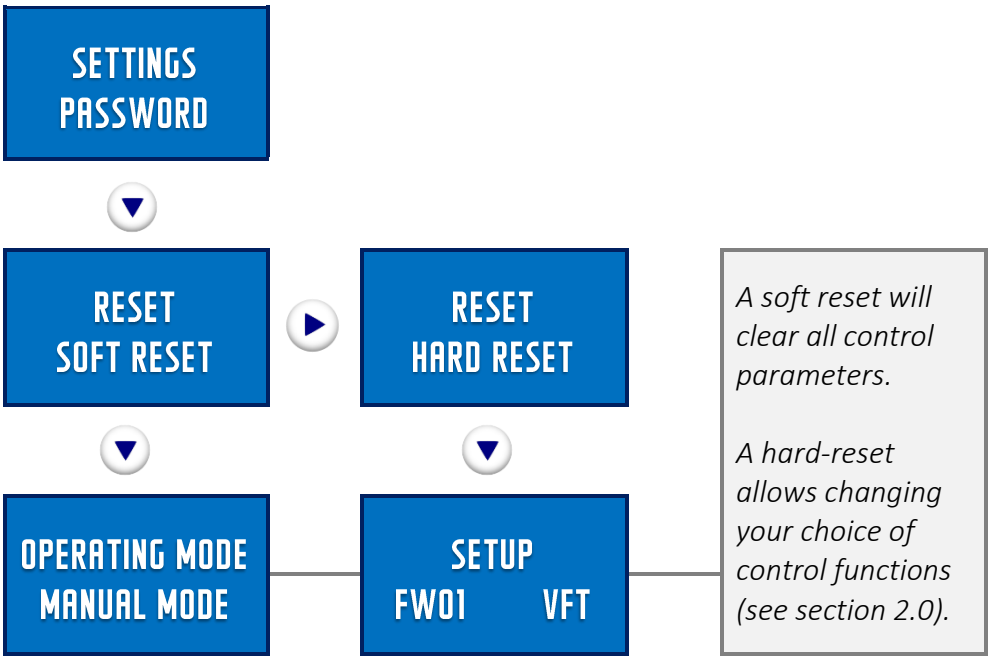
3.11.14 SETTINGS – RESET MENU



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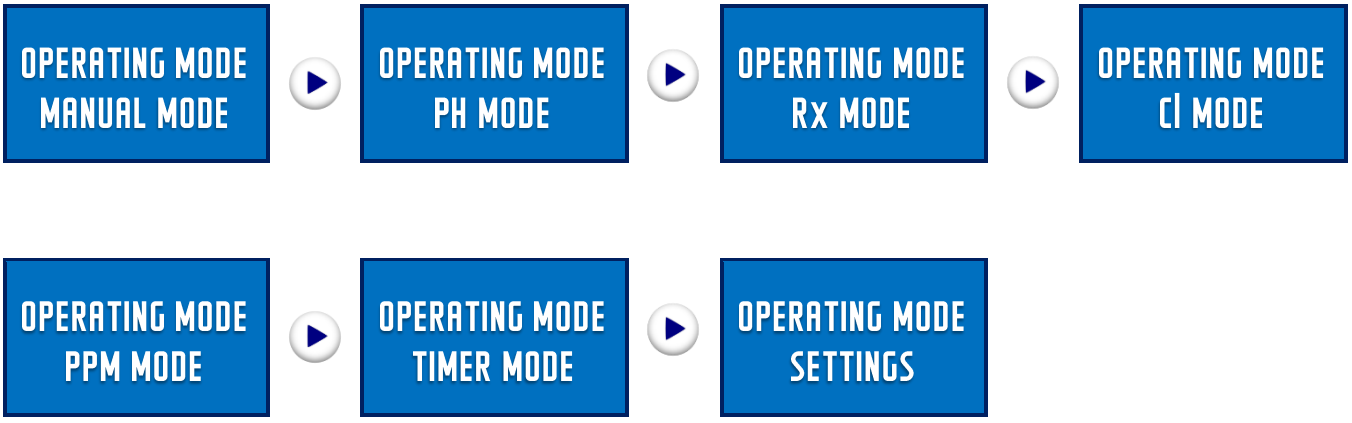
4.0 OPERATING MODES - OVERVIEW

The settings are explained in detail. Note that FW04 does not include timer mode.



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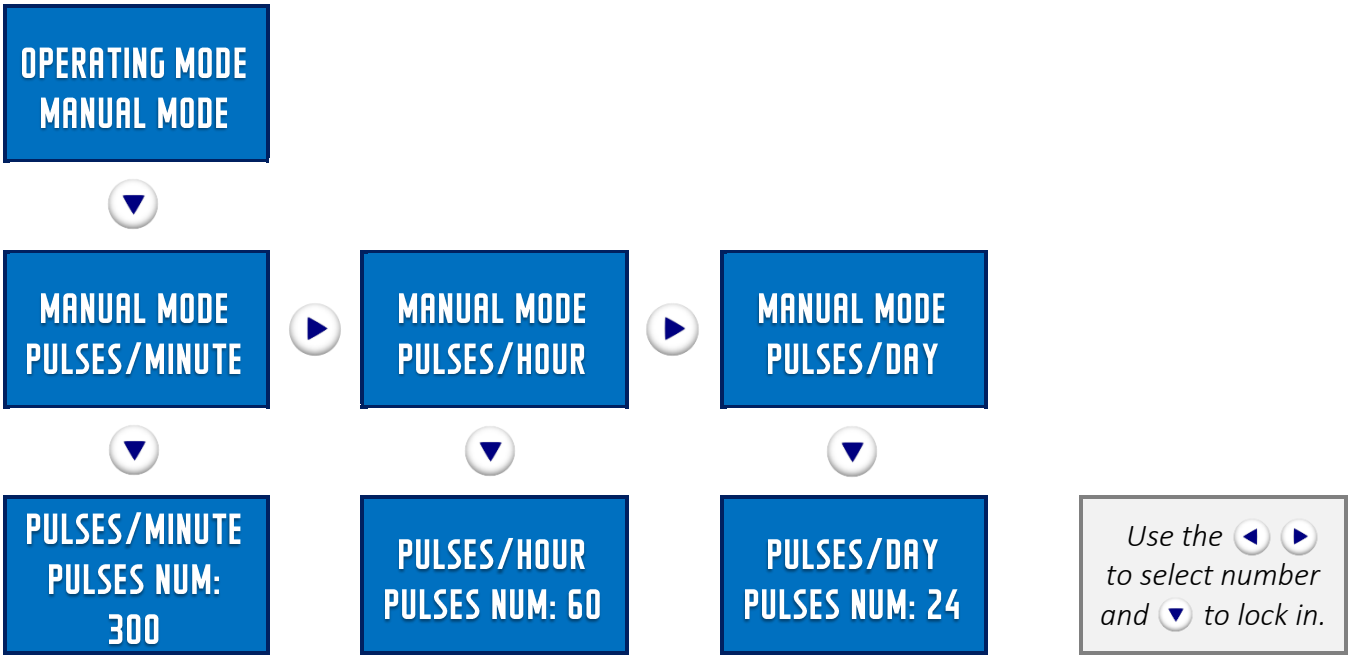
4.1 OPERATING MODES - MANUAL

Manual mode is the simplest mode.



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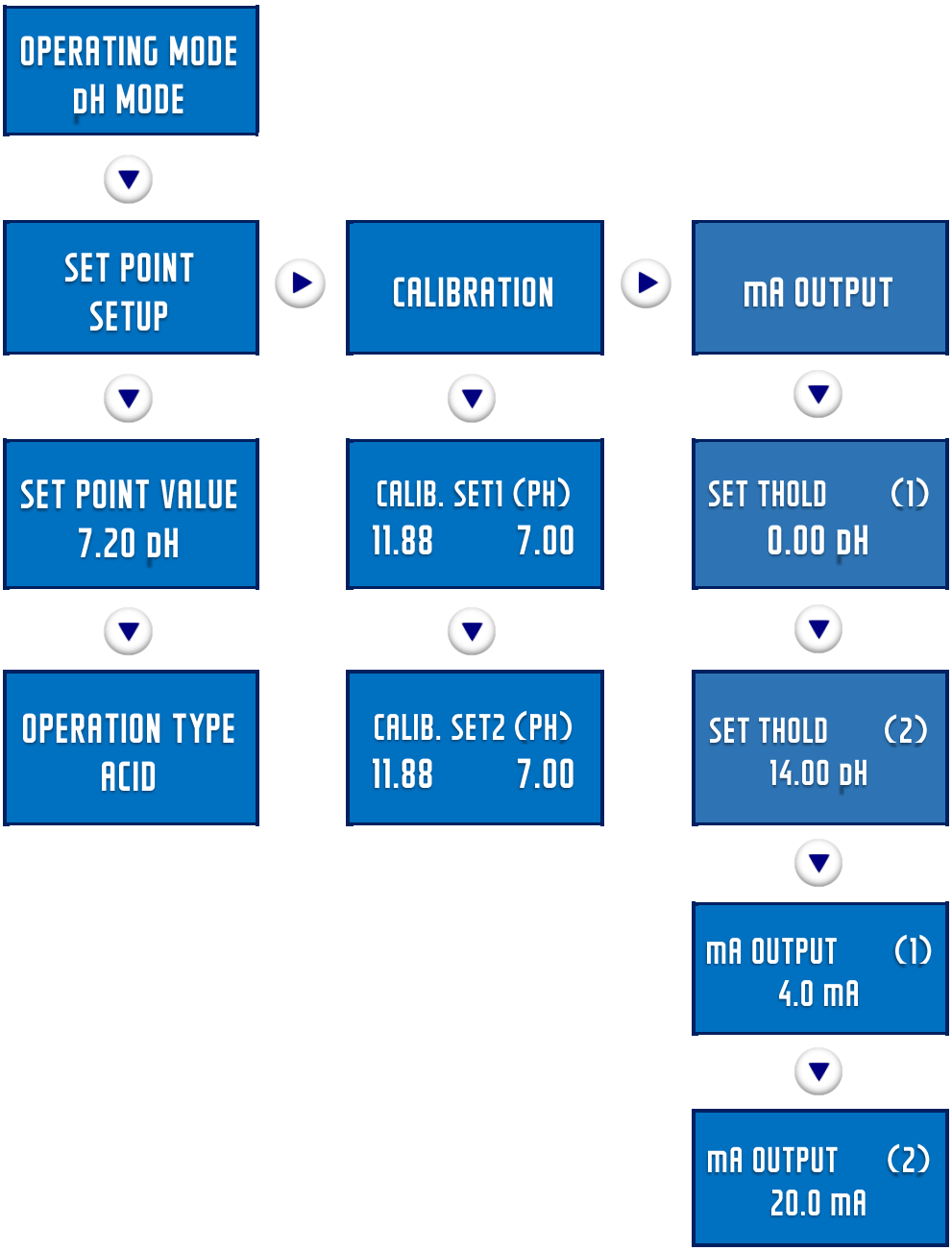
4.2 OPERATING MODES - pH

The pH mode is customised for acid/alkali dosing.



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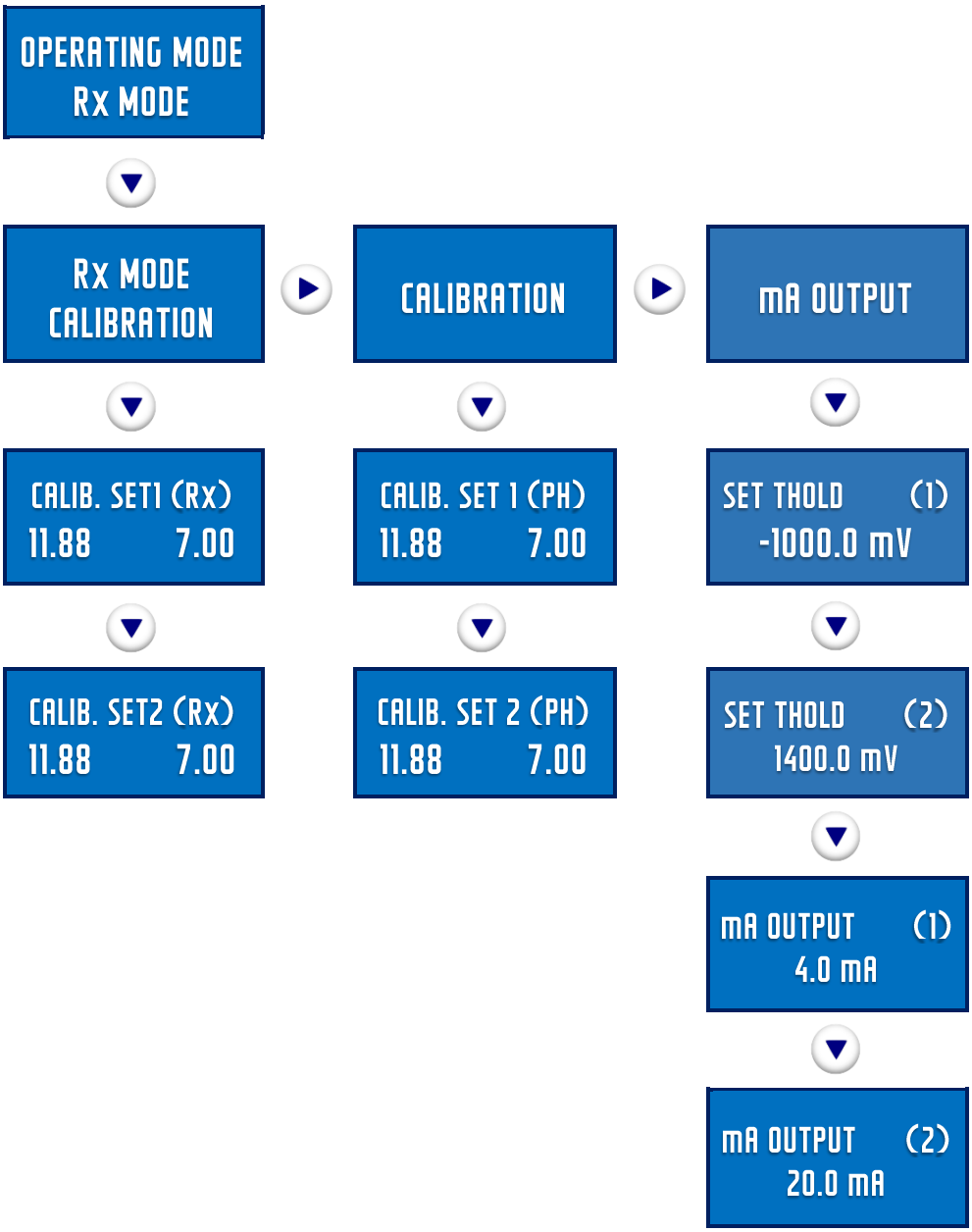
4.3 OPERATING MODES - Rx

The Rx mode is for redox applications.



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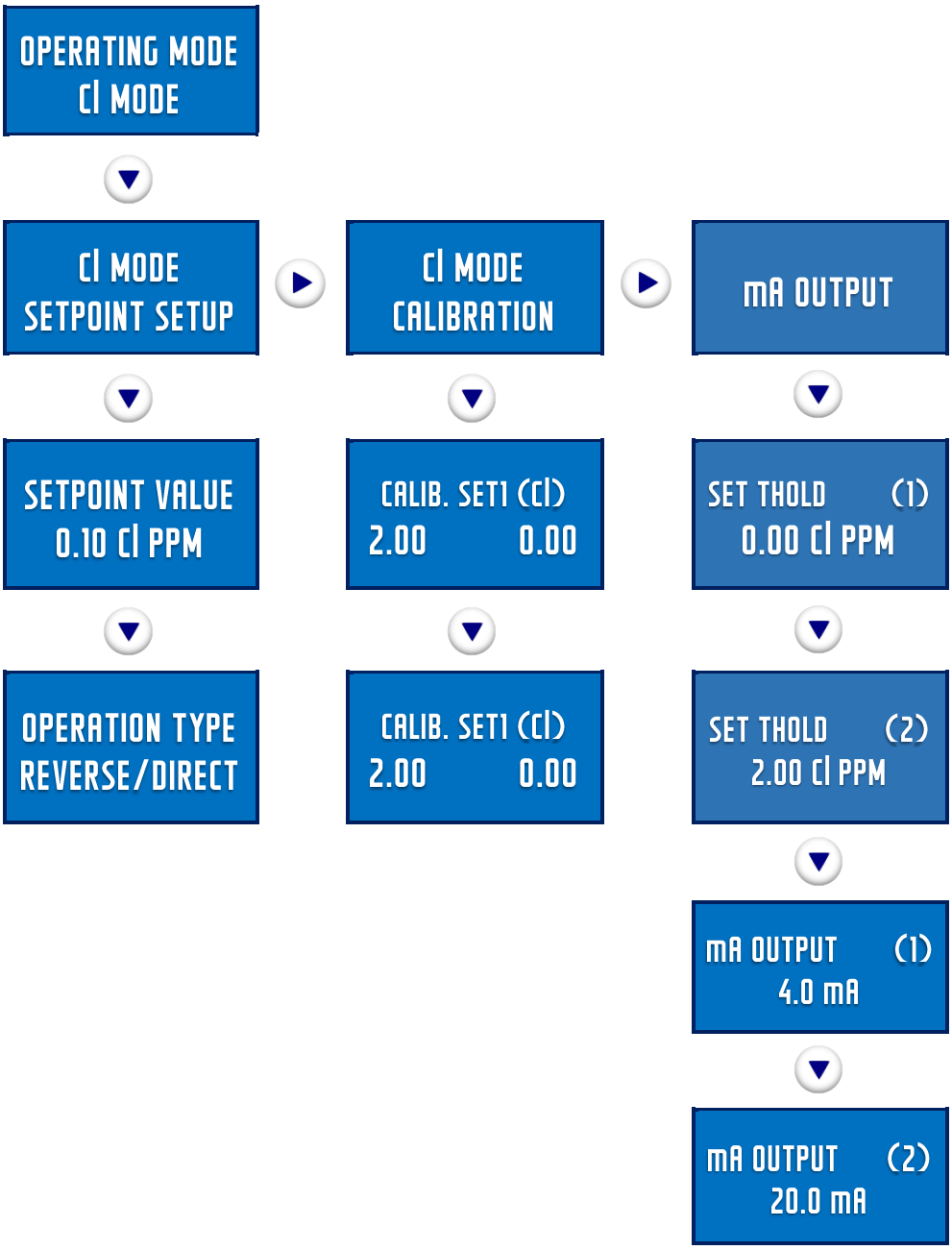
4.4 OPERATING MODES - Cl

The Cl mode is for chlorine applications.



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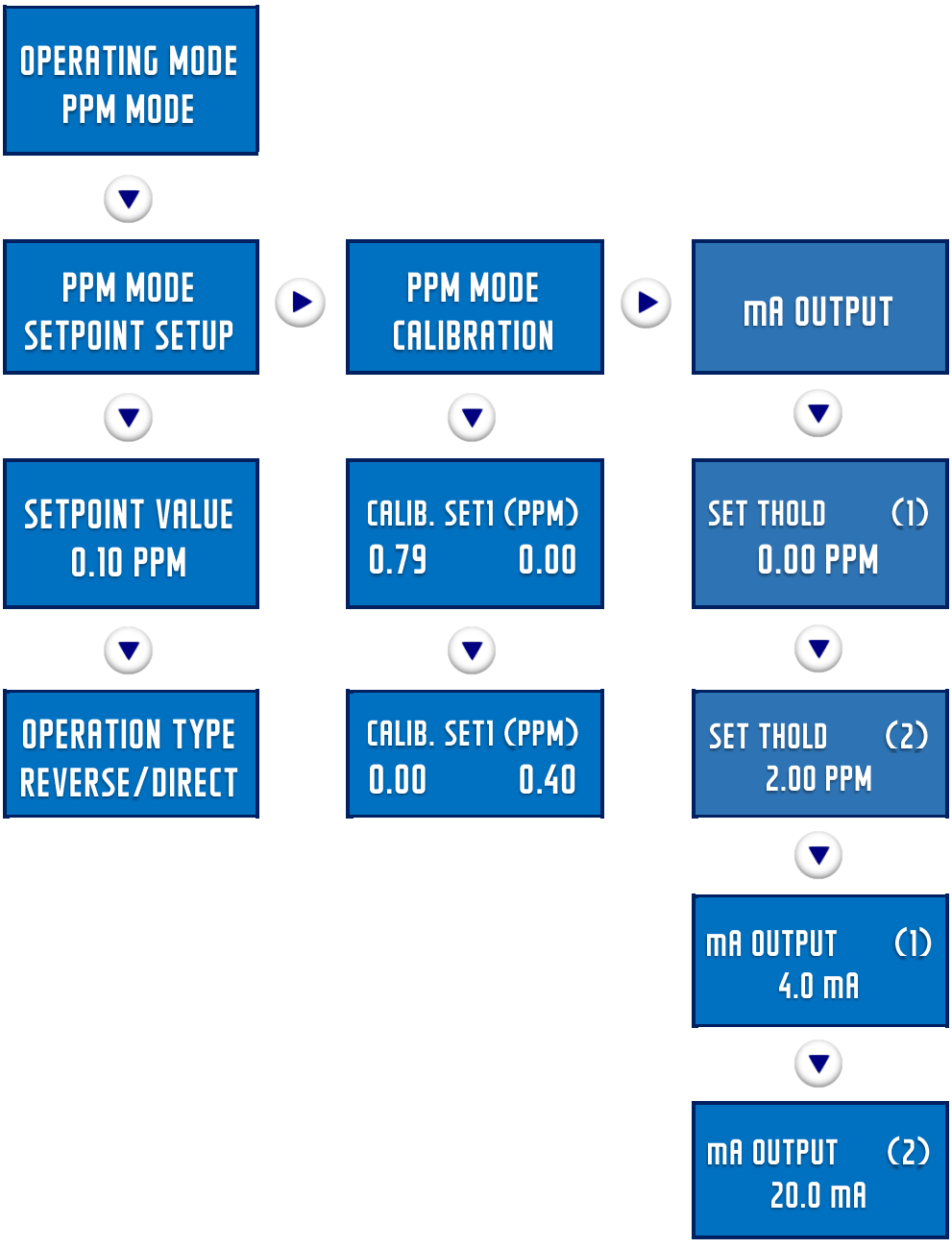
4.5 OPERATING MODES - PPM

The ppm mode is for parts per million.



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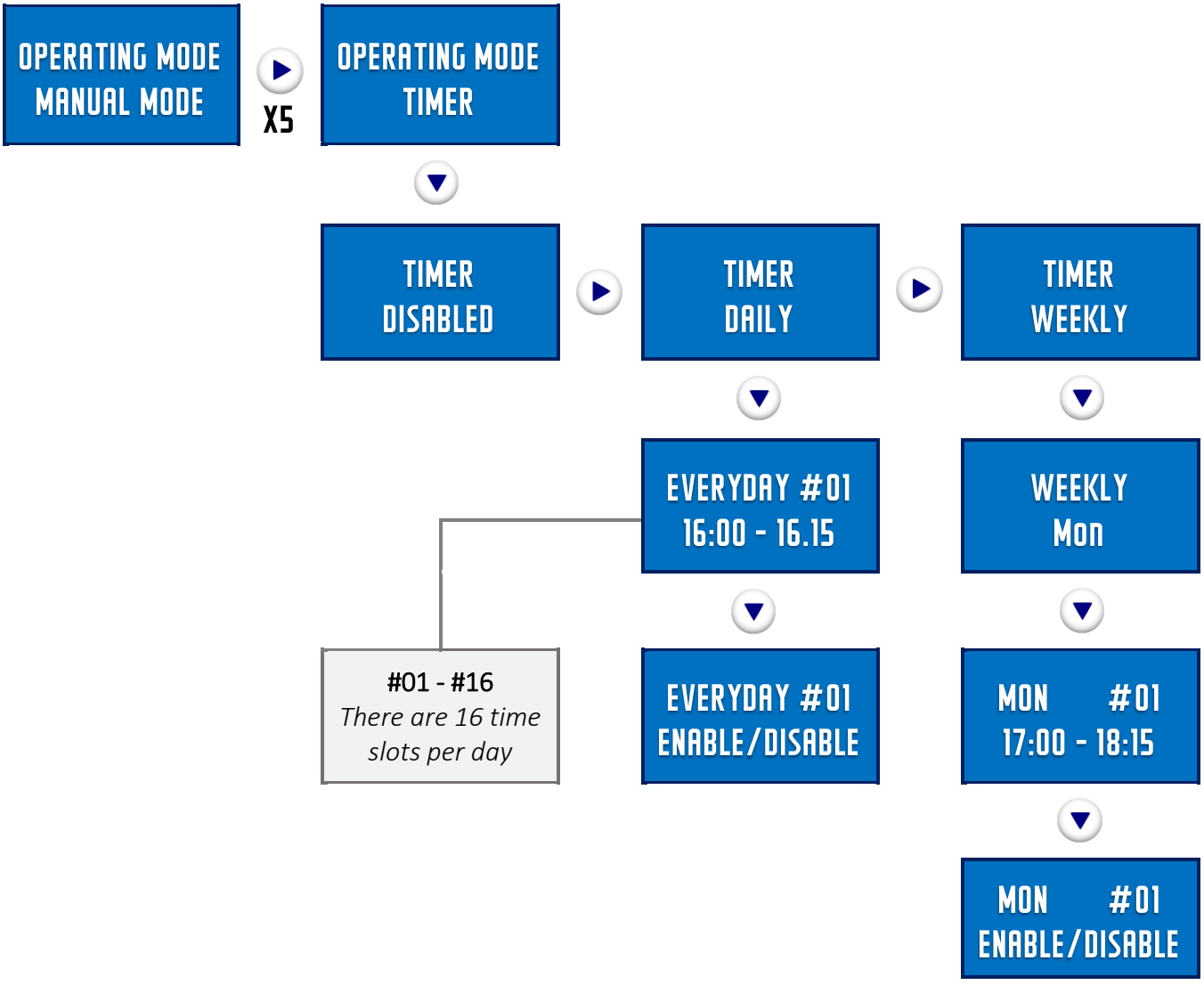
4.6 OPERATING MODES – TIMER

This appears on **FW08** mode.



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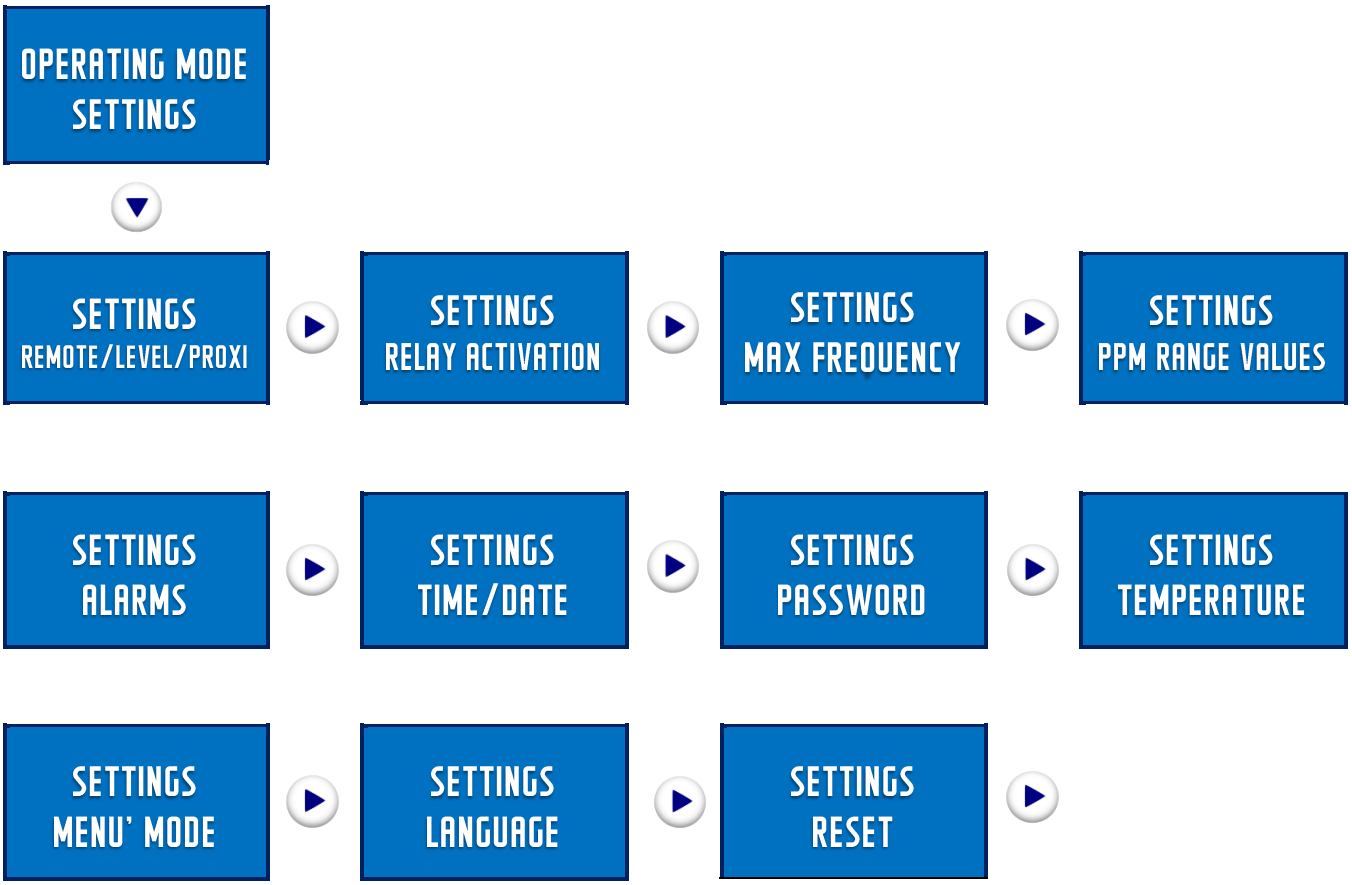
5.0 OPERATING MODES – SETTINGS (FW08)

The settings options are each expanded on in detail.



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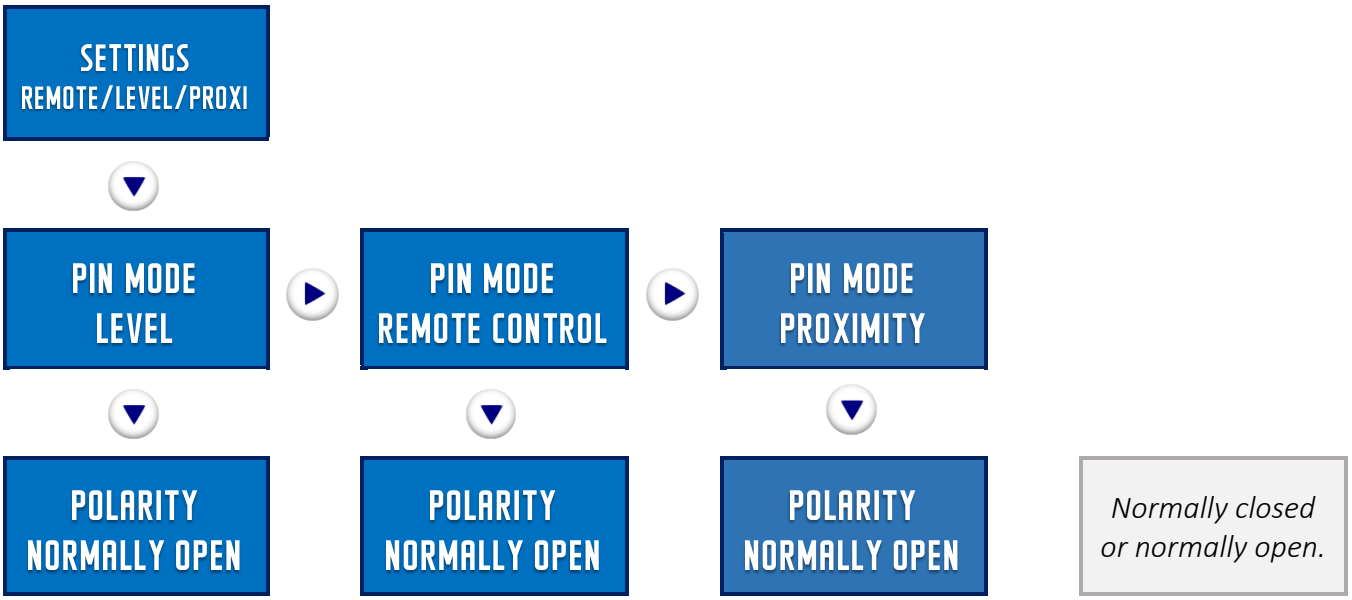
5.1 OPERATING MODES – SETTINGS – REMOTE/LEVEL/PROXI



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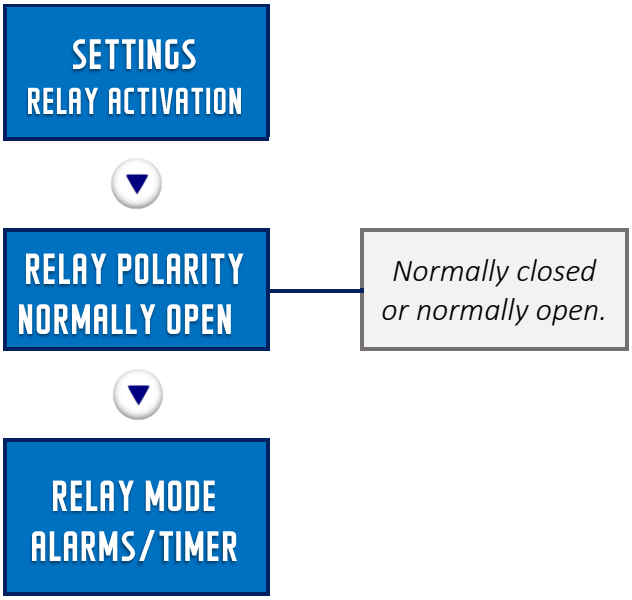
5.2 OPERATING MODES – SETTINGS – RELAY ACTIVATION



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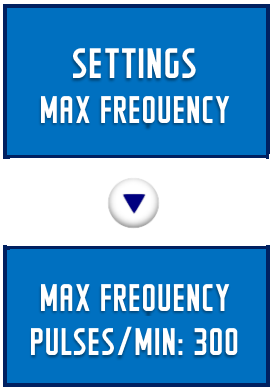
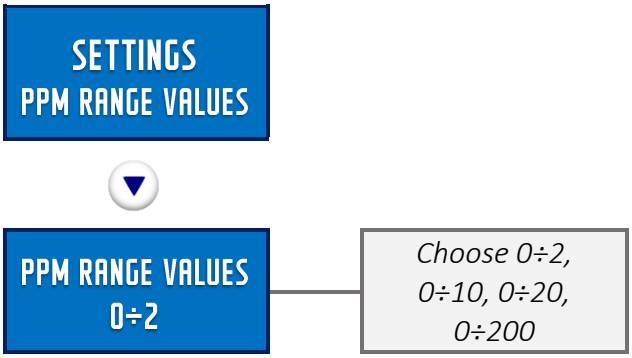
5.3 OPERATING MODES – SETTINGS – MAX FREQUENCY

Sets the absolute maximum speed of the pump.



5.4 OPERATING MODES – SETTINGS – PPM RANGE VALUES

Determines if the pump runs in 0-2, 0-10, 0-20, 0-200 ppm mode.



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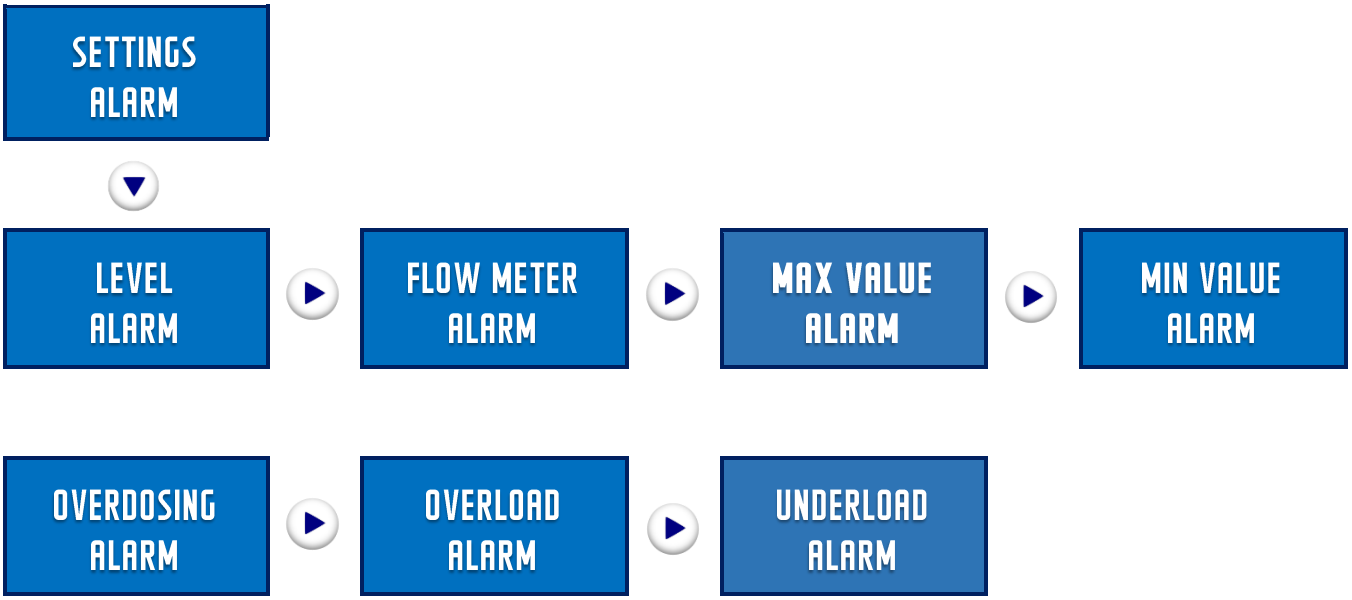
5.5 OPERATING MODES – SETTINGS – ALARMS

This is an overview of the alarm menus. As the alarm menus are relatively complex they are each expanded on in detail.



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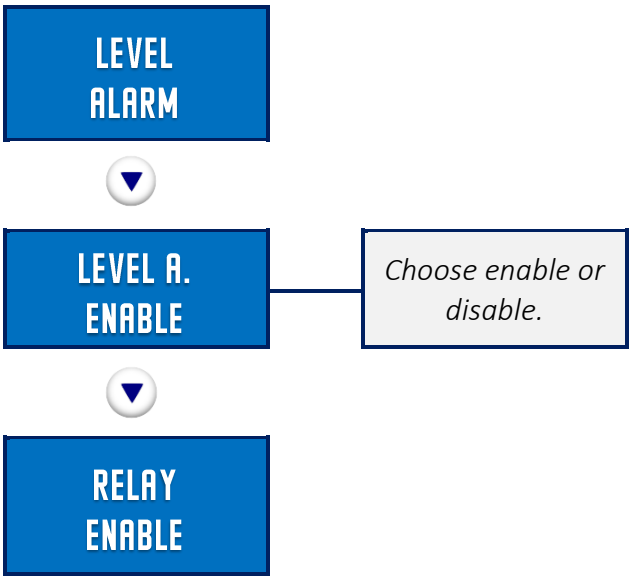
5.5.1 SETTINGS – ALARMS – LEVEL ALARM



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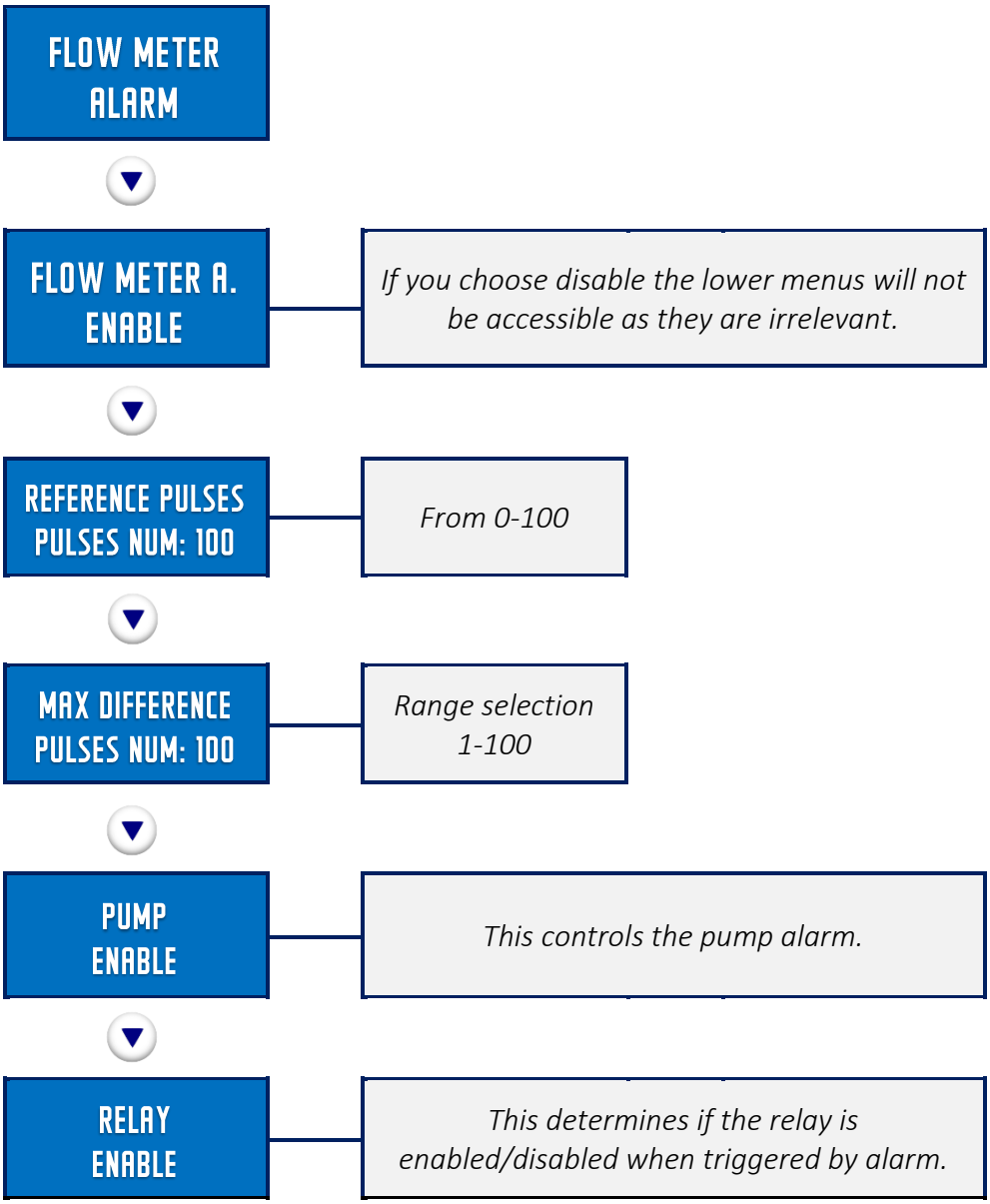
5.5.2 SETTINGS – ALARMS – FLOW METER ALARM

This is an advanced feature to prevent undetected no-flow situations.



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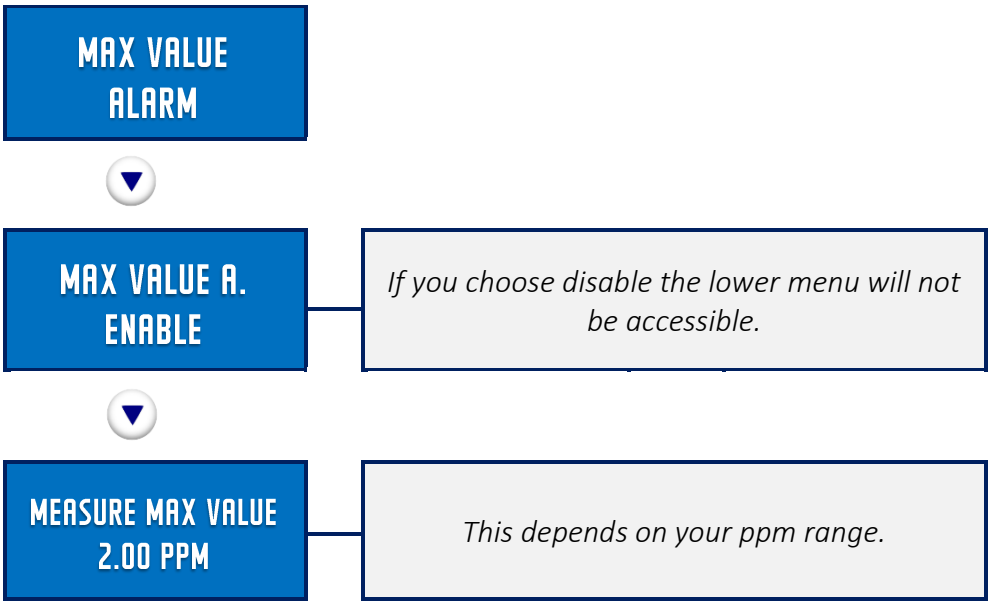
5.5.3 SETTINGS – ALARMS – MAX VALUE ALARM



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5.5.4 SETTINGS – ALARMS – MIN VALUE ALARM

MIN VALUE ALARM

▼

MIN VALUE A. ENABLE

If you choose disable the lower menu will not be accessible.

▼

MEASURE MIN VALUE 0.00 PPM

This depends on your ppm range.

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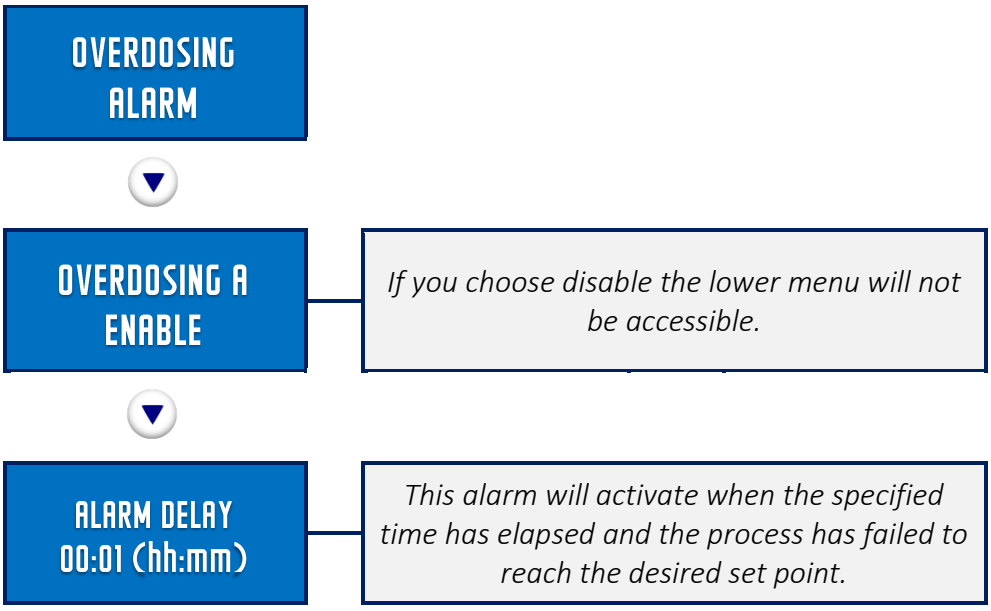
5.5.5 SETTINGS – ALARMS – OVERDOSING ALARM



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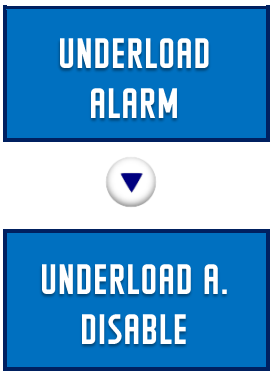
5.5.6 SETTINGS – ALARMS – OVERLOAD ALARM

5.5.7 SETTINGS – ALARMS – UNDERLOAD ALARM



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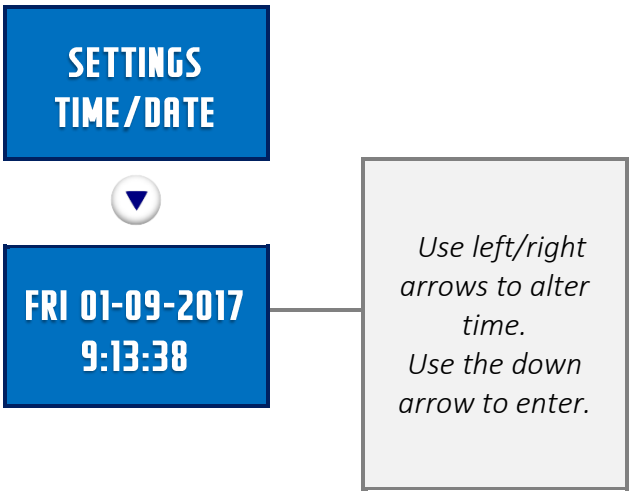
5.6 OPERATING MODES – SETTINGS – TIME/DATE



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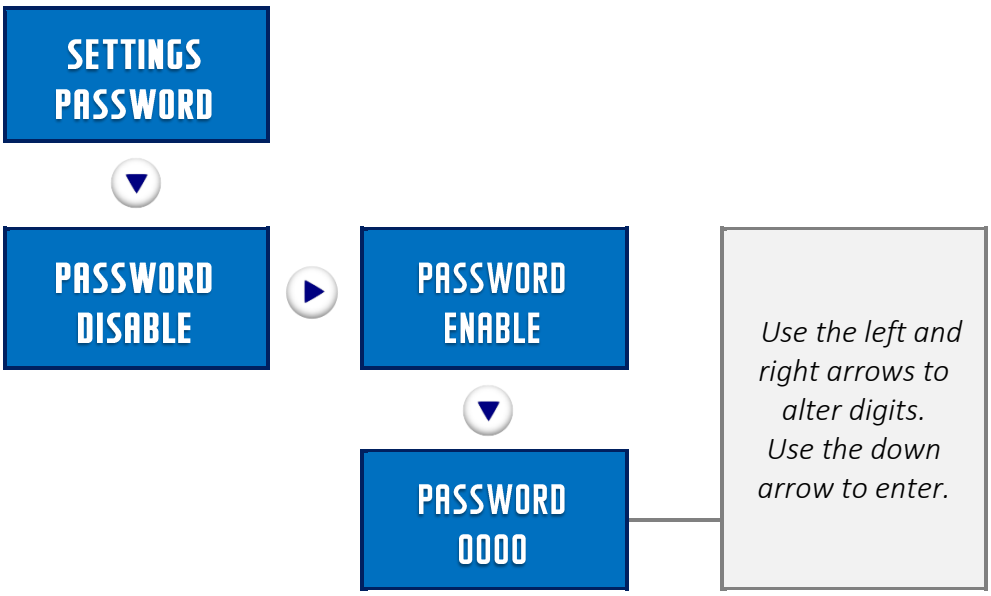
5.7 SETTINGS – PASSWORD MENU



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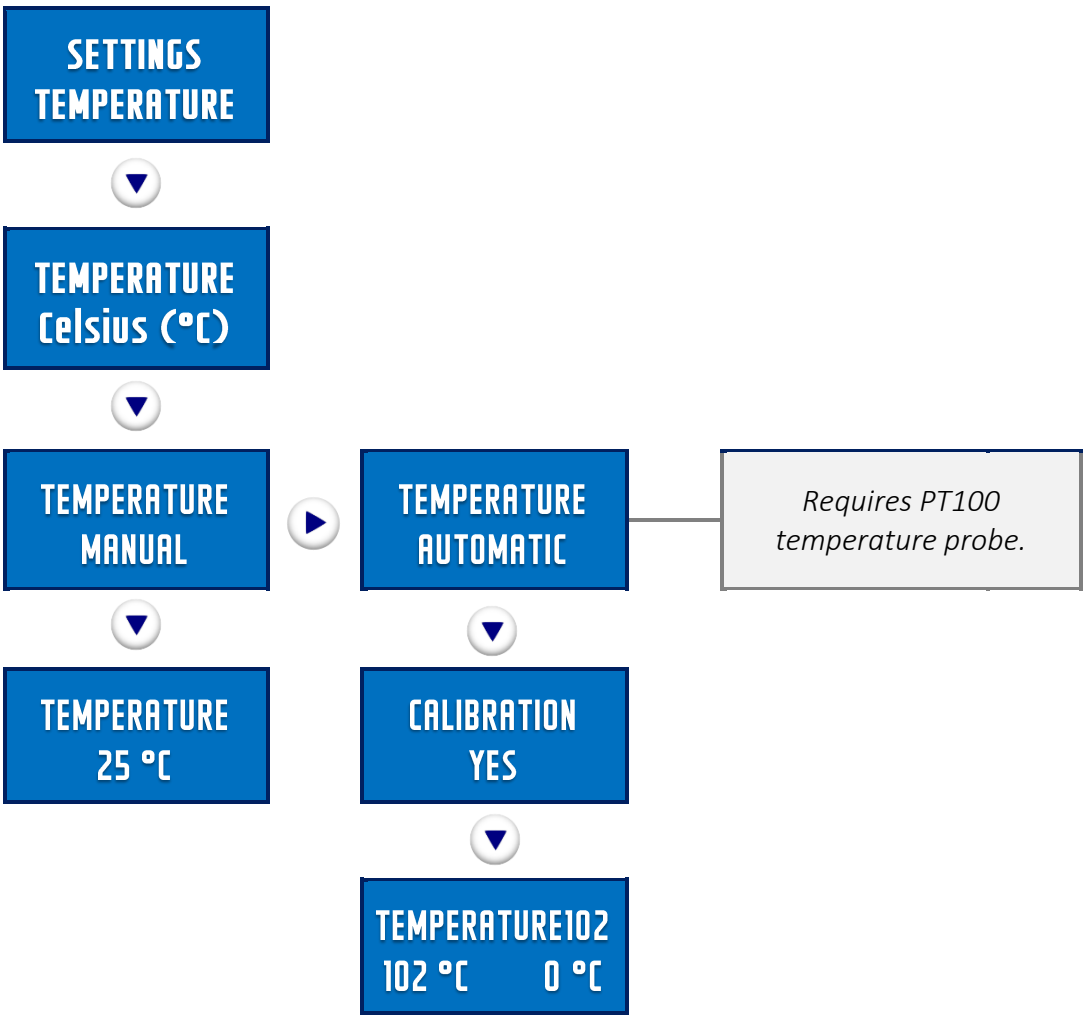
5.8 SETTINGS – TEMPERATURE



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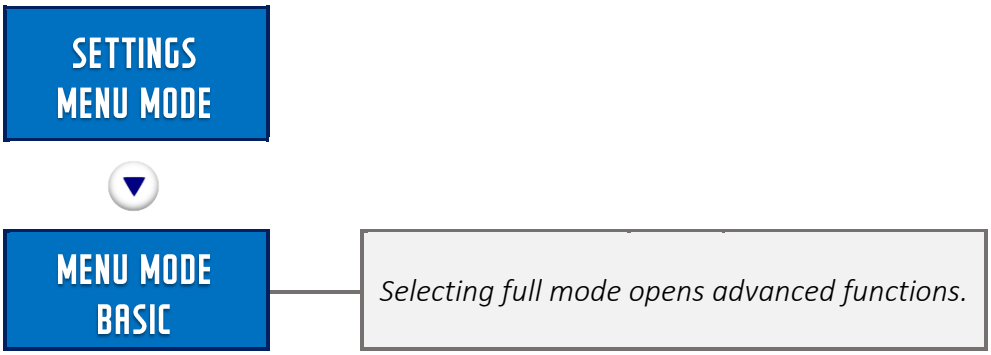
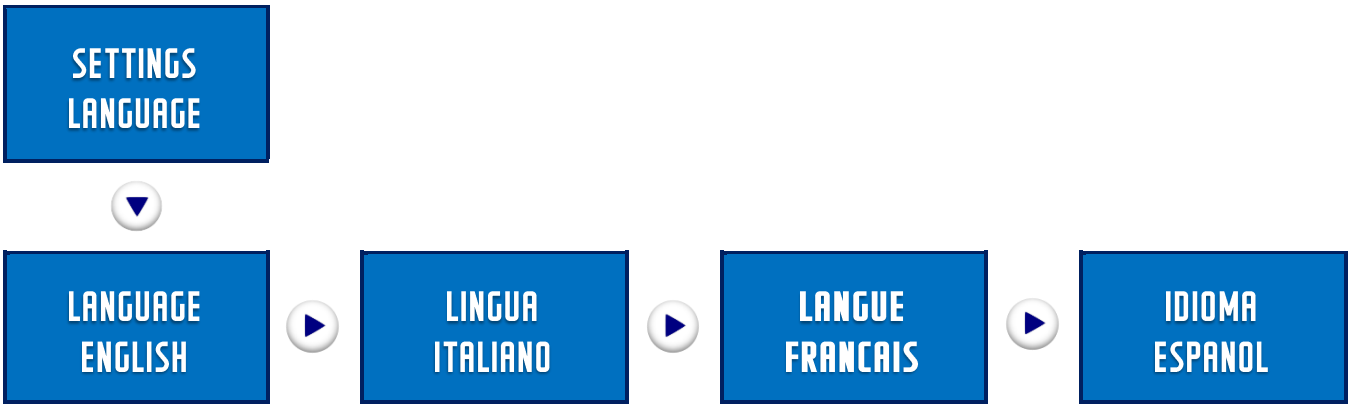
5.9 SETTINGS – MENU MODE



5.10 – SETTINGS – LANGUAGE MENU



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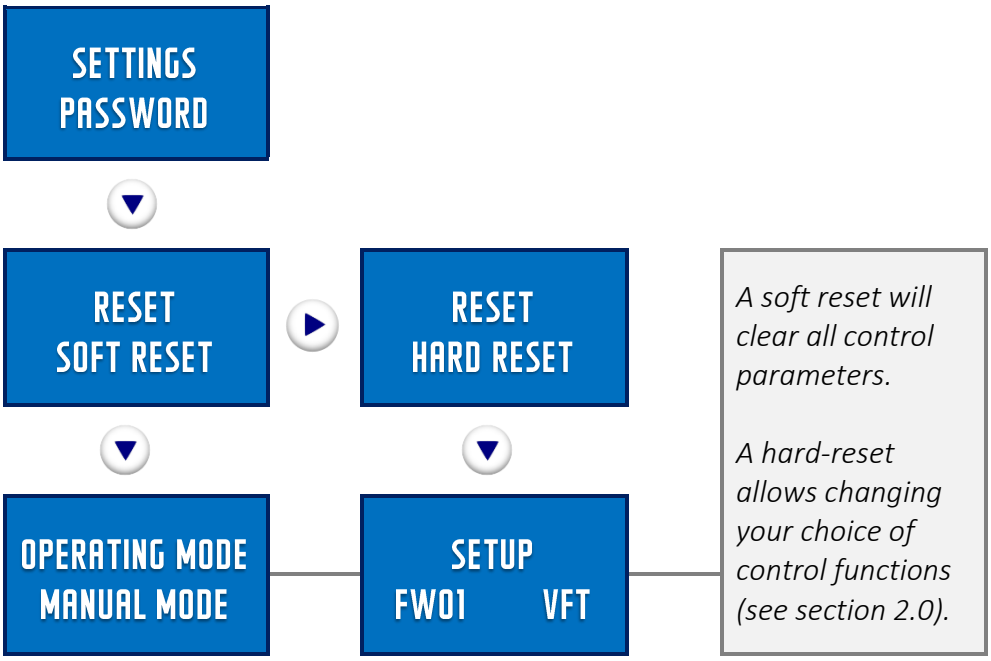
5.11 SETTINGS – RESET MENU



A soft reset clears all the control parameters, a hard reset returns the pump to factory settings. After a hard reset you may choose your control functions (see section 2.0 - Setup).

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