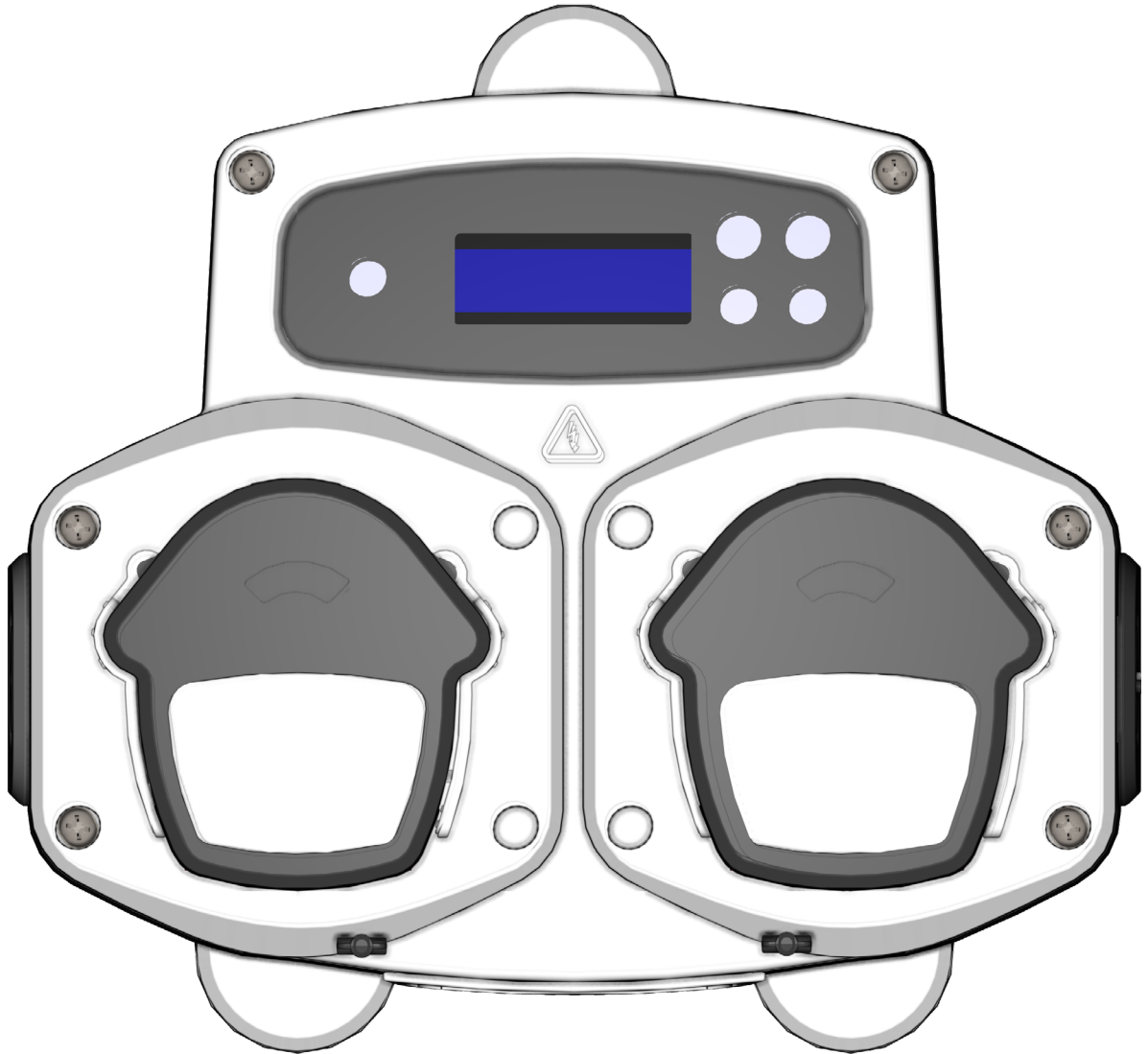


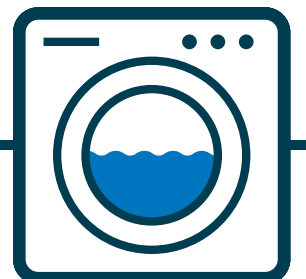
# BRIGHTWELL

REVOLUTIONARY DISPENSING SOLUTIONS



## Brightlogic 2 Quickstart Guide Installation and Setup

[Brightwell.co.uk](http://Brightwell.co.uk)



# CONTENTS

SAFETY PRECAUTIONS	3
INSTALLATION - MOUNTING	4
INSTALLATION - WIRING 1	5
INSTALLATION - WIRING 2	6
PROGRAMMING - CONTROLS	7
PROGRAMMING - KEY TO INSTRUCTIONS	7
PROGRAMMING - LANGUAGE SELECTION	8
FLOW DIAGRAM - INSTRUCTIONS	9
FLOW DIAGRAM - INSTRUCTIONS	10
FORMULA SELECT	11
FORMULA SELECT - INSTALLATION	11
NOTES	12

# SAFETY PRECAUTIONS

---

## Important Safety Instructions

Please read the following precautions carefully before using this equipment.

*This unit contains high voltage components which, may expose you to the risk of electric shock.*

**Do not open the enclosure without isolating the signal and supply sources.** Ensure that these sources have been isolated for at least 5 minutes before entering the enclosure.

**Means for disconnection must be incorporated in accordance with the wiring rules.**

**Do not** mount the unit to unstable, irregular or non-vertical surfaces.

---

**Do not** place heavy objects on top of the unit.

**Do not** attempt to place items (such as screwdrivers) into the moving parts of the pumphead.

**Do not** power the unit outside of the values stated on the rating label.

**Do not** use damaged or frayed cables.

**Do not** dismantle or modify this equipment.

**Do not** allow the appliance to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

**Do not** allow children being supervised to play with the appliance.

**Do not** use appliance if the supply cord is damaged. This must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

**Always** ensure that care is taken when handling chemicals.

## INSTALLATION - MOUNTING

Fix the unit to a vertical wall using the screws provided.

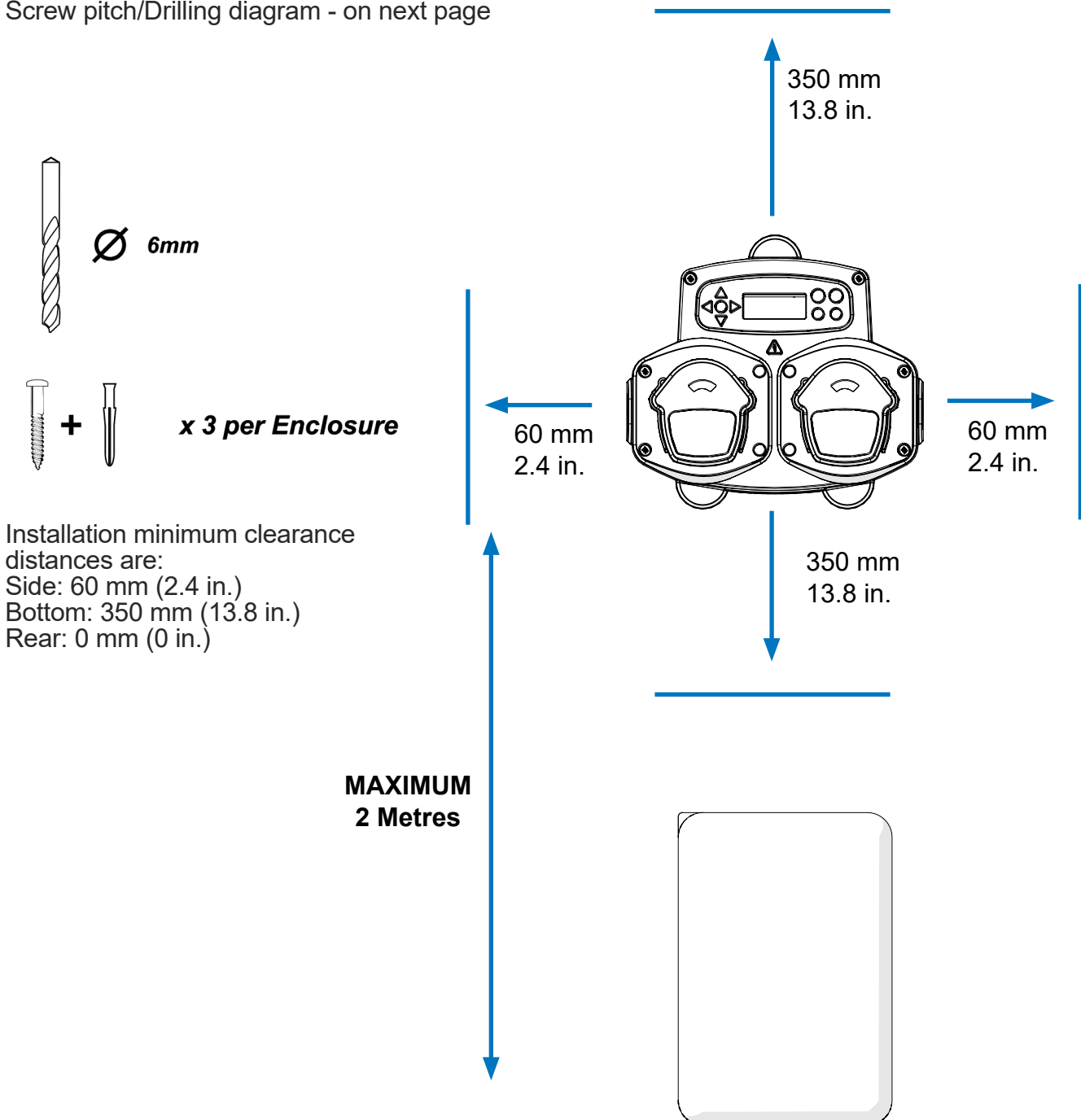
Ensure that the unit is level and positioned no more than 2 metres above the base of the product, which is to be dispensed.

### Important notes.

Maximum recommended suction and delivery tubes - 2 metres

Minimum tube size - 8x11mm

Screw pitch/Drilling diagram - on next page



# INSTALLATION - WIRING 1

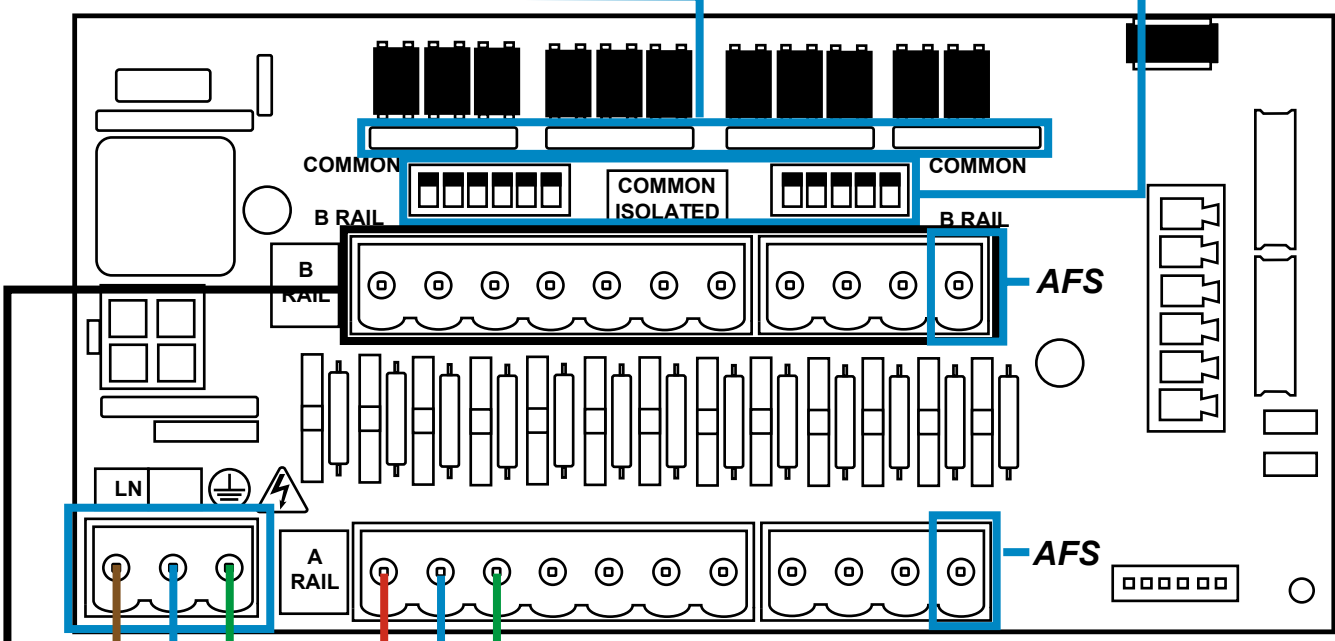
In most cases, the interface board or solenoids in the host machine will have a common (i.e their negative terminals are all linked by a common wire).  
The switches S1 & S2 can be left switched to common (up position), and the single(common) wire taken to the B rail.

### RP1, RP2, RP3 & RP4

Remove to allow signals below 90 volts AC or DC (min 12V)

### S1 & S2

Switch to common signals on the B-rail



LN

**Power Supply**  
100-240v(AC) 50/60Hz  
Sourced from a point which is isolated when the host machine is off

### Signal Inputs 90v-240v AC or DC

<p><b>B Rail (Negative)</b></p> <p>With the switches in an upright position, a common (neutral/negative) input signal can be taken to the B Rail.</p>	<p><b>A Rail (Positive)</b></p> <p>The positive (live) signal from each input must be taken to the relevant connection on the A Rail.</p>
---	---

### Example

- INPUT 1 - Pre-Wash
- INPUT 2 - Main Wash
- INPUT 3 - Rinse
- COMMON

### Recommended Wiring

Max Size = 1.5mm<sup>2</sup>  
Max Size = 0.5mm<sup>2</sup>  
Current = 0.5A

### Safety Warning

If low voltage signals are used, signal wires to the A and B rails should be routed in separate cable from the main power to the unit.  
Suitable grade wire must be used.

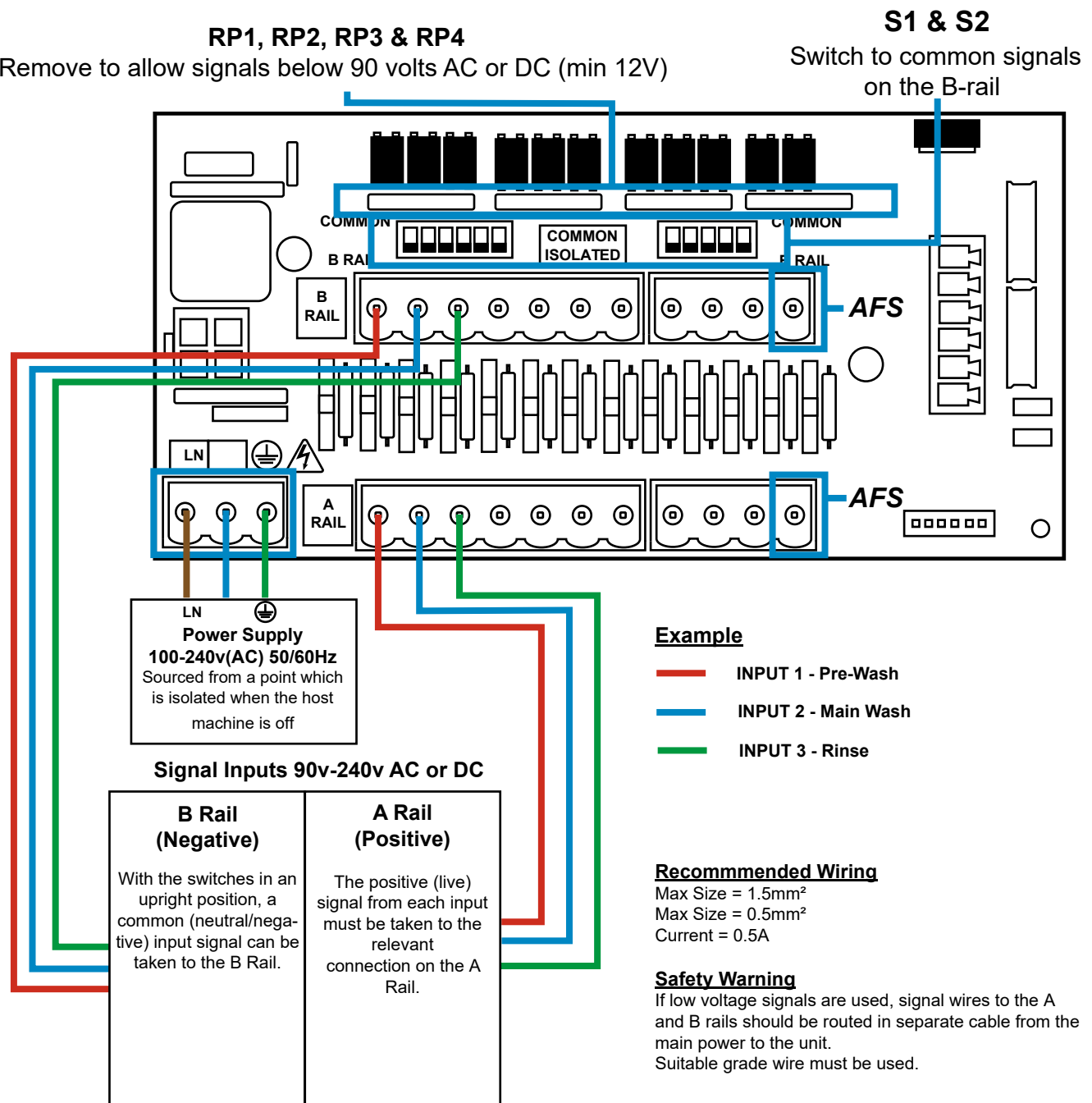
## INSTALLATION - WIRING 2

In some cases, the interface board or solenoids in the hose machine are **not** common. **For example:** The softener solenoid on some machines is not linked via a common wire to the other solenoids.

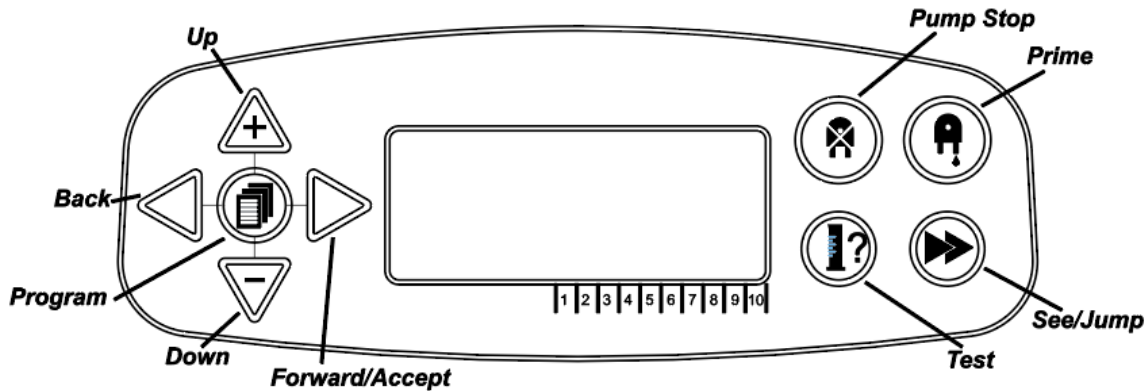
If this is the case, the signal must be isolated from the common B rail on the Board. This is done by Switching the appropriate switch (S1 & S2 to isolated, ie. Downward position). If in doubt switch the appropriate switch for each incoming signal source.

**FAILURE TO SWITCH THE APPROPRIATE SWITCH WOULD RESULT IN UNIT FAILURE.**

**DO NOT ATTEMPT TO SWITCH THE SWITCHES WHEN THE POWER IS ON.**



## PROGRAMMING - CONTROLS



## PROGRAMMING - KEY TO INSTRUCTIONS

- Throughout the instructions:
- ● If a button or buttons are shown in **BLUE** then they must be pressed to progress to the next stage. (If two buttons are shown, they must be pressed together)
  - ○ If buttons are shown in **GREY**, they are used individually to achieve the desired result. (ie. Either/or)

**SIGNAL  
ACCEPTANCE TIME**  
00 SECONDS

Throughout the instructions, there are several screens which are highlighted **BOLD**.

MAN 1: .....  
MAN 2: .....  
MAN 3: .....  
OFF P: .....

From any point within the program, the user can transition to the next **BOLD** screen via the **SEE/JUMP** button.

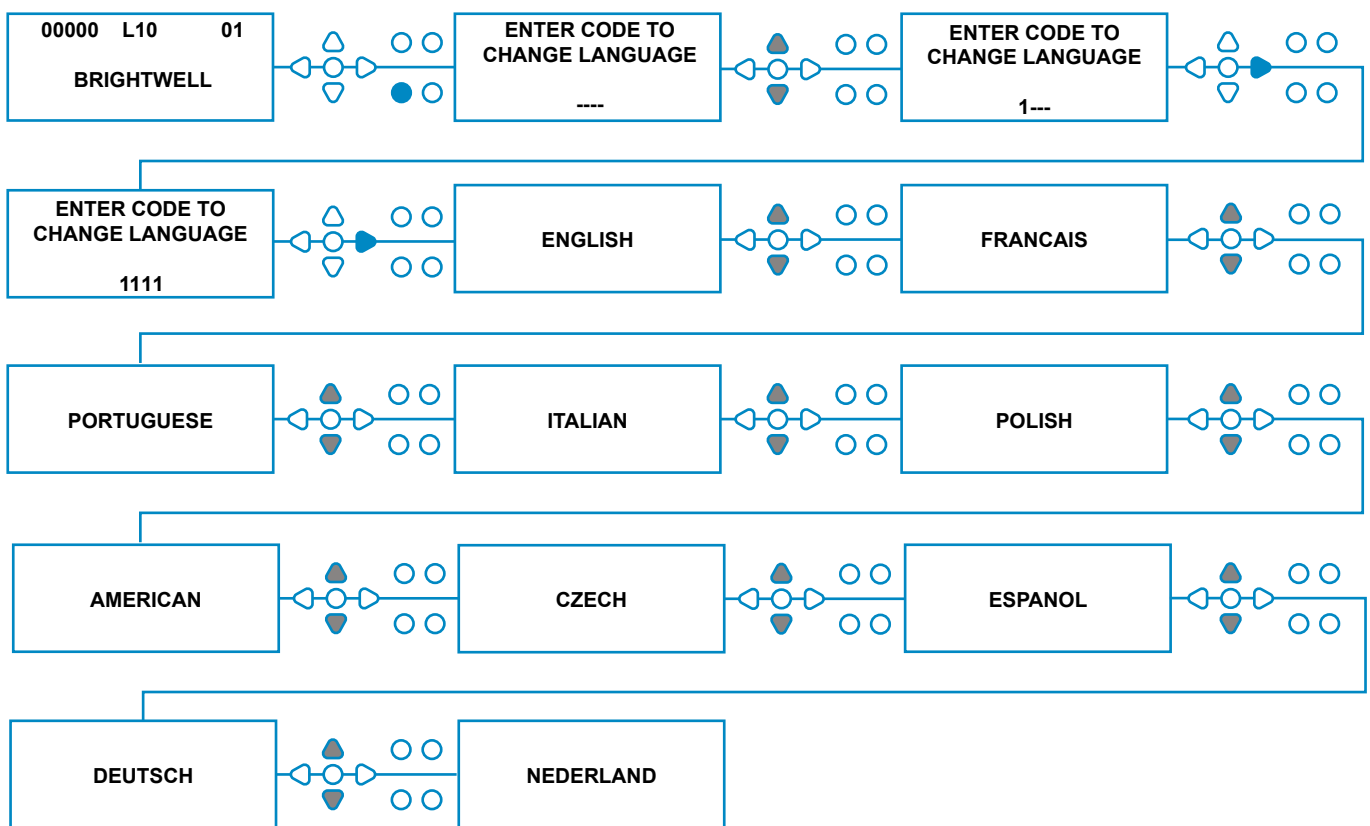
**FLUSH VALVE  
TIME**  
00 MINS 00 SECS

## PROGRAMMING - LANGUAGE SELECTION

French, German, Spanish, Dutch, Czech, Polish, American, Italian or Portuguese.

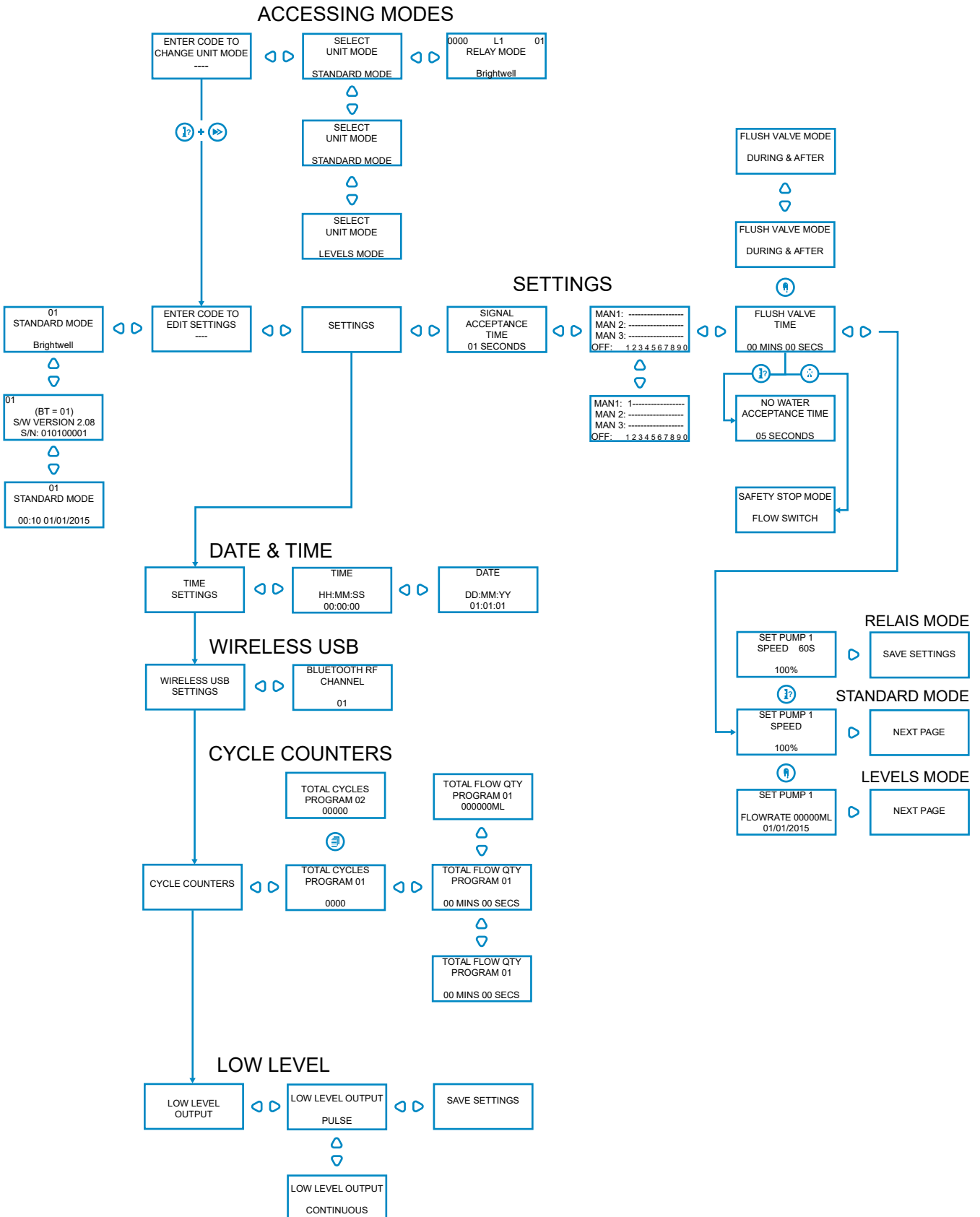
From the default screen, press and hold the **TEST** key for 2 seconds. The access code screen will then be displayed. Enter the correct four-digit access code using the **UP** and **DOWN** keys to select a number and the **FWD/ACCEPT** key to move (see page 15).

Use the **UP** and **DOWN** keys to scroll through the language options. Press the **FWD/ACCEPT** key to select the displayed



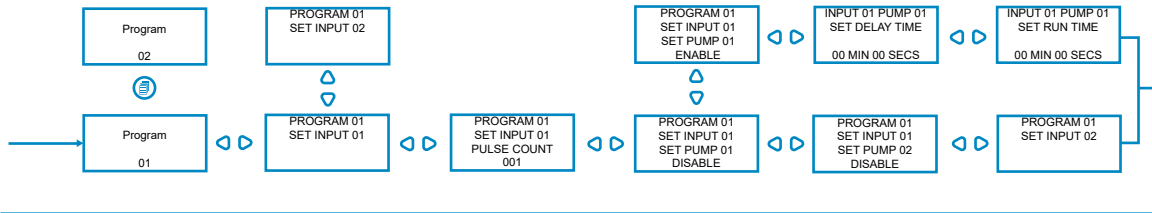


# FLOW DIAGRAM - INSTRUCTIONS

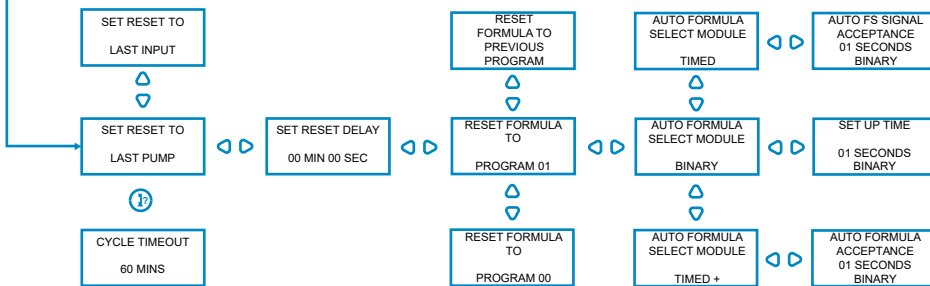


# FLOW DIAGRAM - INSTRUCTIONS

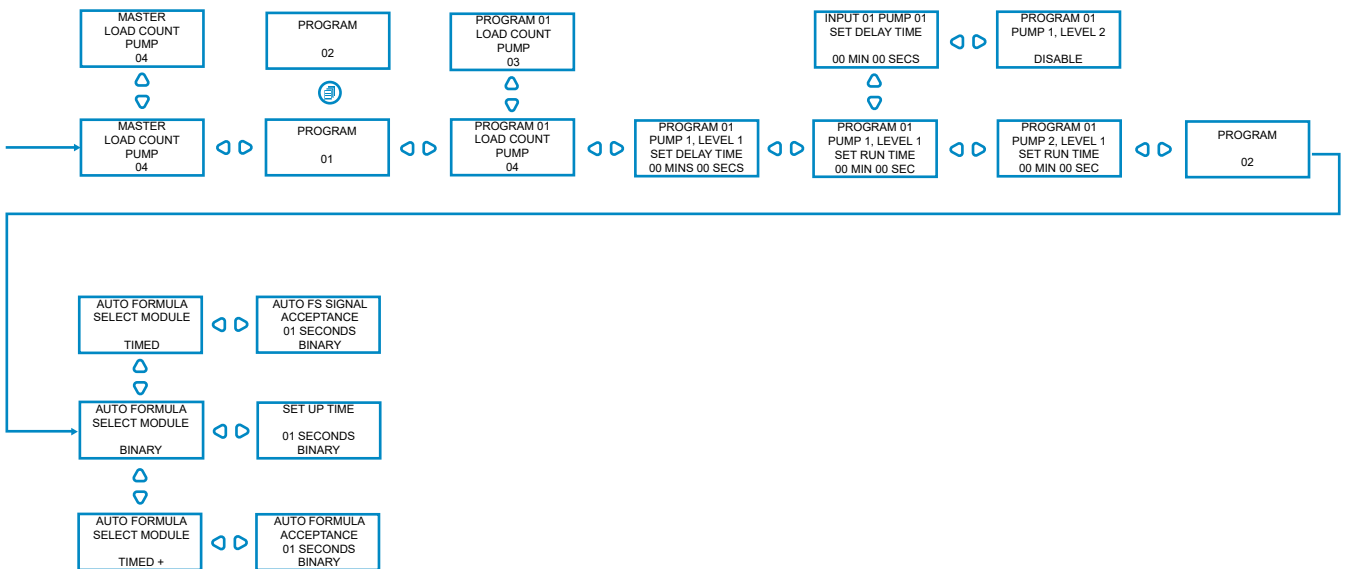
## STANDARD MODE



## STANDARD MODE



## LEVELS MODE



## FORMULA SELECT

The BrightLogic laundry Formula Select module (optional) allows remote selection of up to 20 different wash programs, program names can be displayed by uploading via the computer program.

The Formula Select module can also be used to prime and stop the pumps.

**The desired program must be selected, using the UP and DOWN keys on the module and pressing enter, before beginning the wash cycle.**

### Resetting options

There are four options available to reset the formula select:

Reset Formula to Program 01 - (default setting)

Reset Formula to Program 00 - (blank program)

Reset Formula to Program 02 - (set to any program number)

Reset Formula to Previous program - (resets to the previous program)

The unit can be manually reset by pressing the up and down keys together for 1 second.

Without a Formula Select module

If there is no formula select installed then the programs can still be selected from the unit itself.

From the default screen press the **PROGRAM** button to toggle the correct program.

## FORMULA SELECT - INSTALLATION

Fit the module to a suitable surface, in an accessible area, using the self-adhesive Velcro provided.

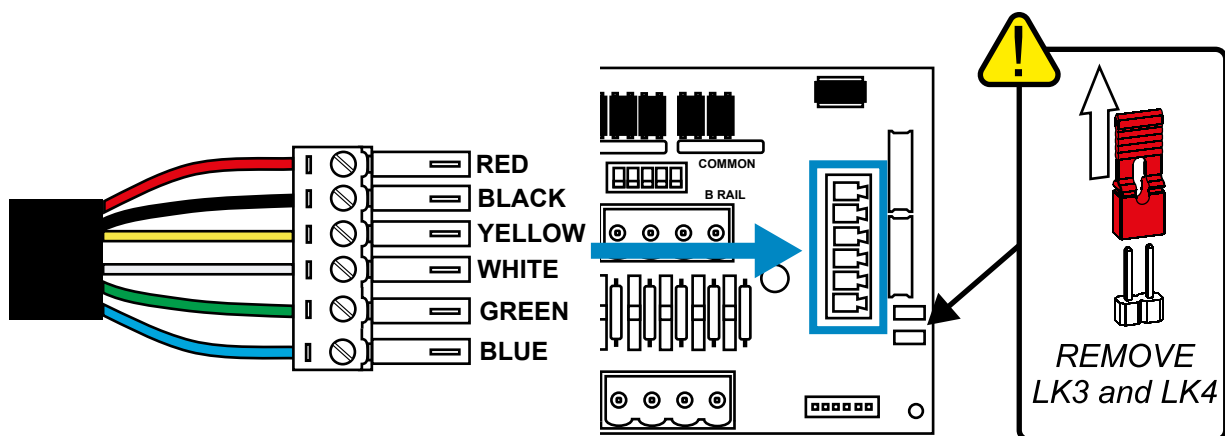
Before fitting, please ensure that the power to the unit has been isolated.

Open the lid of the main enclosure.

Pass the cable through the gland situated on the bottom of the unit and run it to the vicinity of the Formula Select connection socket on the board (bottom right).

### Note:

Screened cable should be used.



Fit the green connector with the coloured wire in the order shown above. Plug the connector into the correct socket and tighten the gland to grip the cable.

**REMOVE links LK3 & LK4**

---

# NOTES

---