

Weltech was established in 1977 to manufacture, install and service environmental monitoring equipment for the food production industry in the UK and abroad. From our head office based in Cambridgeshire, Weltech have developed a wide range of products including Vegetable Weighing Scales, Poultry Weighing Scales and Silo Weighing Systems, Poultry Alarm, Feed Monitoring systems and Water monitoring & control systems.

For more information on Weltech please visit our website: www.weltech.co.uk

INTRODUCTION

Please take the time to read this manual before using your system.

The Weltech WM8012 is a water metering and control system, designed specifically to monitor the water flow to the poultry shed, alerting you to any high or low occurrences and features a function to shut off connected valves to prevent flooding and damage to live stock.

The Weltech WM8012 is designed to work with any type of 'pulse output flow meter' so can be fitted to any shed.

CONTACT

Weltech International Limited
10 Bramley Road
St. Ives
Cambridgeshire
PE27 3WS

Email address	info@weltech.co.uk
Contact number	+44 (0) 1480 461 611
Fax number	+44 (0) 1480 301 010

1

INSTALLATION & WIRING

Mains Input Wiring
Wiring Valve to WM8012

3

MENU TREE

4

SETUP

Key Pad Functions
Entering Settings Menu

5

FACTORY SETUP

Entering Engineer Setup
Factory Reset
Product Information

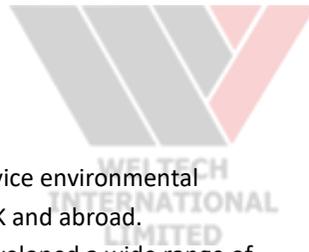
6

PRINTING, SAVING & CLEARING DATA

7

RS232 Printing
Saving Data to USB
Clearing Data

2



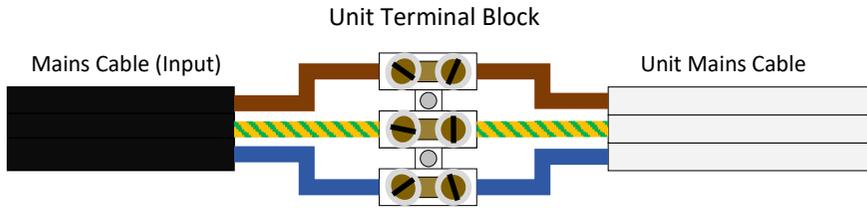
WM8012

INSTALLATION & WIRING



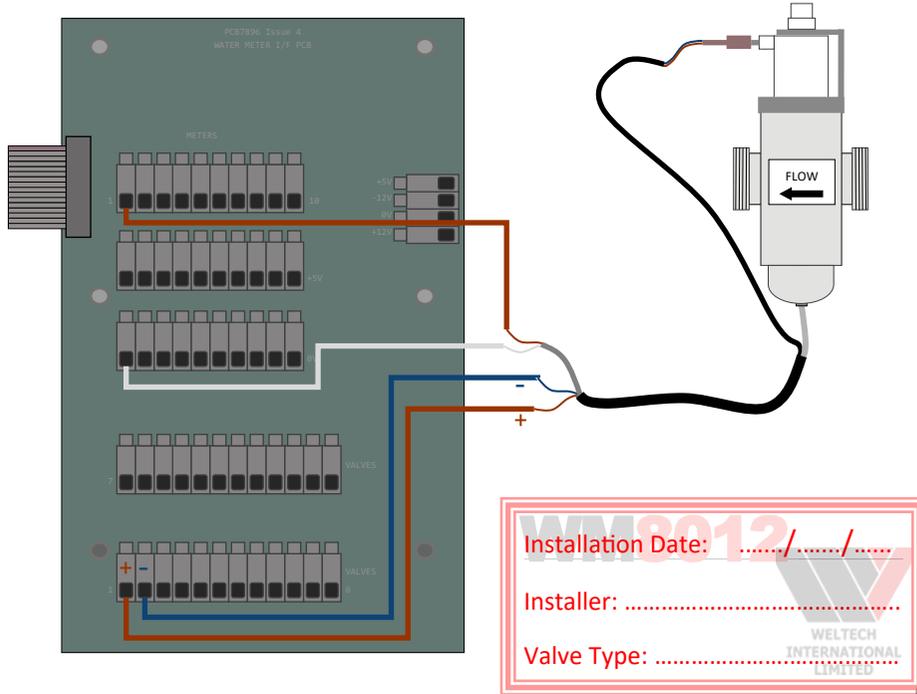
We advise that a Weltech Engineer makes the installations or seek advise before attempting an installation. Please CUT OFF any MAINS SUPPLY before carrying out any work.

Main Input Wiring



Wiring Valve to WM8012

*For units that have a shut off valve there should always be a bypass to the valve installed in case of malfunction.



*This is an illustrated representation and the parts may vary in reality, use this as a basic guide. This illustration shows an example of wiring based on a 254 Scale Factor Valve.

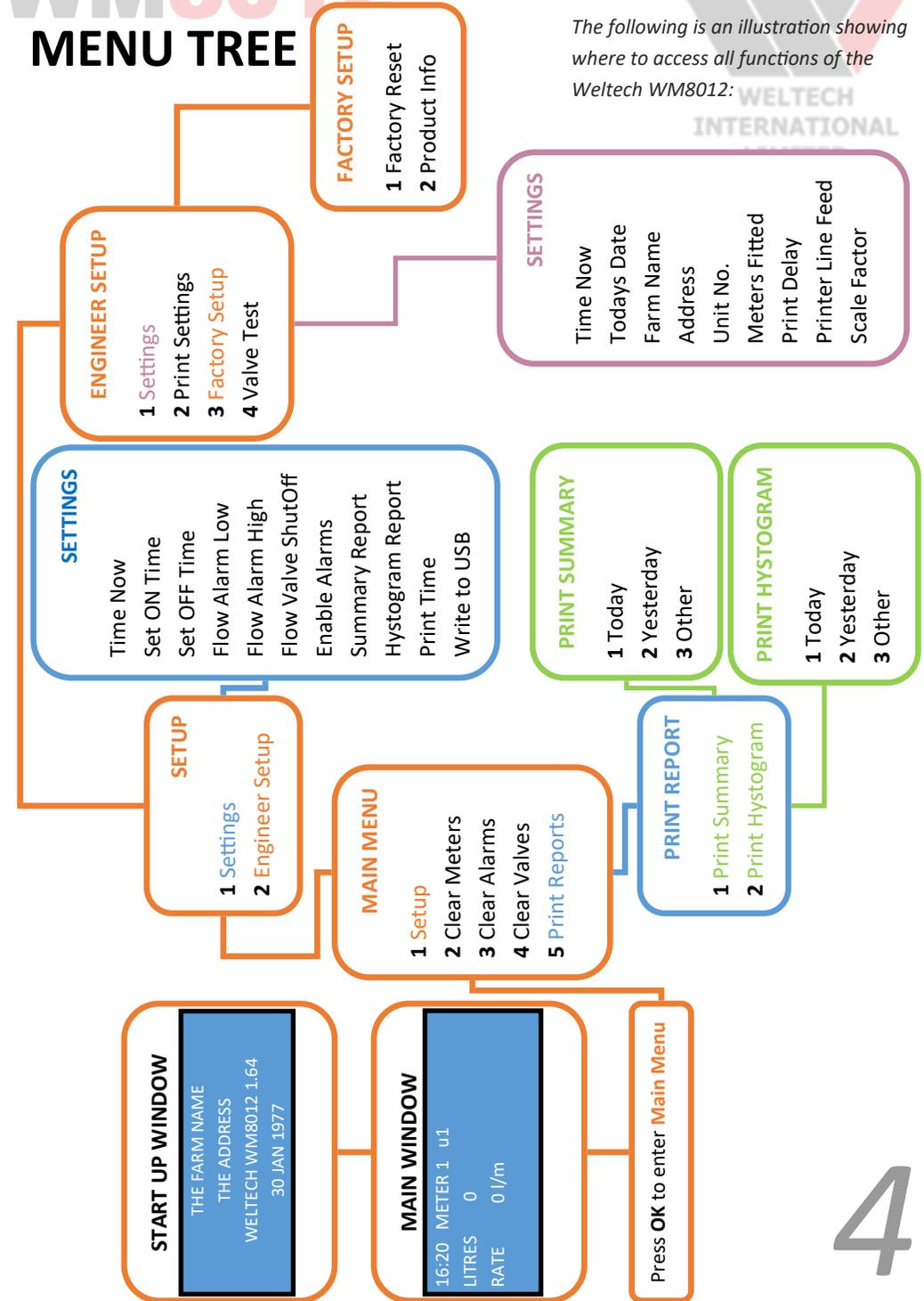
3

WM8012

MENU TREE



The following is an illustration showing where to access all functions of the Weltech WM8012:



4

WM8012 SETUP



Key Pad

Button	Function
	Main Menu/Accept/Confirm
	Quit/Navigate Back
	Entering Number Values/Shortcut Keys in Menus/ Lettering Input
	Edit/YES/Confirm
	Navigation through Menus/Changing Setting Values

Entering Settings Menu

Press **OK** to enter **Main Menu**, press **1** to enter **Setup Menu**, press **1** to enter **Settings**.

Settings Option	Description	Enter Preferred Setting
Time Now	Enter current time	ENTER VALUE HERE
Set On Time	Enter the time at which the water supply should start	ENTER VALUE HERE
Set Off Time	Enter the time at which the water supply should stop	ENTER VALUE HERE
Flow Alarm Low	The lowest acceptable flow rate before alarm is triggered	ENTER VALUE HERE
Flow Alarm High	The highest acceptable flow rate before alarm is triggered	ENTER VALUE HERE
Flow Valve Shutoff	The flow rate at which the valve would shut off	ENTER VALUE HERE
Enable Alarms	Set the alarm system to ON or OFF	ON
Summary Report	Store a summary report on the system to be printed	ON
Histogram Report	Store a detailed hourly report on the system to be printed	OFF
Print Time	The time at which to print the end of day report	00:00
Write to USB	To enable the USB function to print or transfer data to USB	OFF

5

WM8012 FACTORY SETUP



Entering Engineer Setup

Press **OK** to enter **Main Menu**, press **1** to enter **Setup Menu**, press **2** to enter **Engineer Setup**, press **1** to enter **Settings**.

Settings Option	Description	Enter Preferred Setting
Time Now	Enter current time	ENTER VALUE HERE
Today's Date	Enter current date	ENTER VALUE HERE
Farm Name	Enter farm name	ENTER FARM NAME HERE
Address	Enter farm address	ENTER FARM ADDRESS HERE
Unit No.	Individual Identification Number for Farm Use	ENTER VALUE HERE
Meters Fitted	Number of meters fitted	ENTER VALUE HERE
Print Delay	The time delay to print data (used for older printers)	0.1SECS
Printer Linefeed	Sends a line feed to printer after a new line	ON
Scale Factor	Enter the flow meter valve scale here (pulse per litre)	245

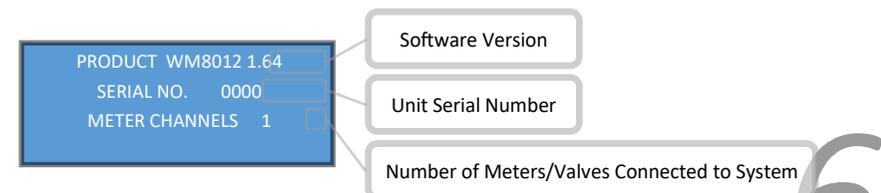
Factory Reset

Note: Performing factory reset will result in all data being lose.

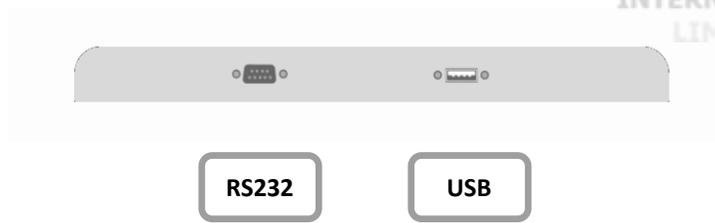
Press **OK** to enter **Main Menu**, press **1** to enter **Setup Menu**, press **2** to enter **Engineer Setup**, press **3** to enter **Factory Setup**, press **1** to enter **Factory Reset**, press ***** to **Confirm/YES**.

Product Information

Press **OK** to enter **Main Menu**, press **1** to enter **Setup Menu**, press **2** to enter **Engineer Setup**, press **3** to enter **Factory Setup**, press **2** to enter **Product Info**.



6



RS232 Printing

Connect external **Printer** to WM8012 via the **RS232 Socket** on the bottom of the unit. press **OK** to enter **Main Menu**, press **5** to enter **Print Report**, press **1** to enter **Print Summary**, press **1** to print **Today**, wait for print out and check.
Press **2** for **Print Hystogram**, press **1** to print **Today**, wait for print out and check.

Saving Data to USB

Connect USB Stick to **USB Port** on unit.
Press **OK** to enter **Main Menu**, press **1** to enter **Setup Main**, press **1** to enter **Settings**. Using directional key > skip to the last option **Write To USB**, change **Value = ON**. Press **CE** to **Quit**, keep pressing until in the **Main Menu**.
Press **5** to enter **Print Report**, press **1** for **Print Summary**, press **1** to print **Today**, wait until **File Written OK**.
Press **2** for **Print Hystogram**, press **1** to print **Today**, wait until **File Written OK**.

Clearing Data

Press **OK** to enter **Main Menu**,
press **2** for **Clear Meters**, press ***** for **YES**. (to clear metering data)
Press **3** for **Clear Alarms**, press ***** for **YES**. (to reset and clear triggered alarms)
Press **4** for **Clear Valves**, press ***** for **YES**. (to reset any triggered/shutoff valves)