

# USER'S MANUAL



## iFill 4 Spa Control System MODEL L0903A



MasterBox



Control Keypad

**When using electrical equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury. Safety precautions are as follows:**

1. Read and follow all instructions before using the equipment
2. Keep the cord out of heavy traffic area. To avoid fire hazard NEVER put the cord under rugs or near heat generating devices
3. Always turn off the equipment before servicing
4. Do not drop or insert any object into any openings
5. Do not operate any equipment with damaged parts
6. This system is for indoor use only
7. Do not attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void the warranty
8. As a condition of acceptability UL requires that this product be installed over a non-combustible surface; if this product is installed over a combustible surface, a non-combustible layer must be installed between the device and the surface
9. Any other use not recommended by the manufacturer may result in electrical shock or injury

*After reading this owner's guide, if you have any questions or comments, please call +1-817-633-1080 or contact our technical support department at [support@luraco.com](mailto:support@luraco.com) or visit our website at [www.luraco.com](http://www.luraco.com) for more information*

**PLEASE READ AND SAVE THESE IMPORTANT SAFETY INSTRUCTIONS**

# FEATURES and OPERATIONS

## iFill 4 Features

- Automatic spa fill with intelligent and reliable level sensor
- **Can also be used even with a disposable liner**
- Time delay setting
- Dual switched outlets
- Dual continuous outlets
- Single drain pump controlled outlet with 3 minute timer
- Heavy duty water valve
- Can be operated in both automatic or manual modes
- Automatic shutdown for Jet and color light if water level in the basin is below the sensor
- Built-in 1 hour timer
- Audible overflow warning in manual fill mode

## Installation Guide

### I) Overall System Integration

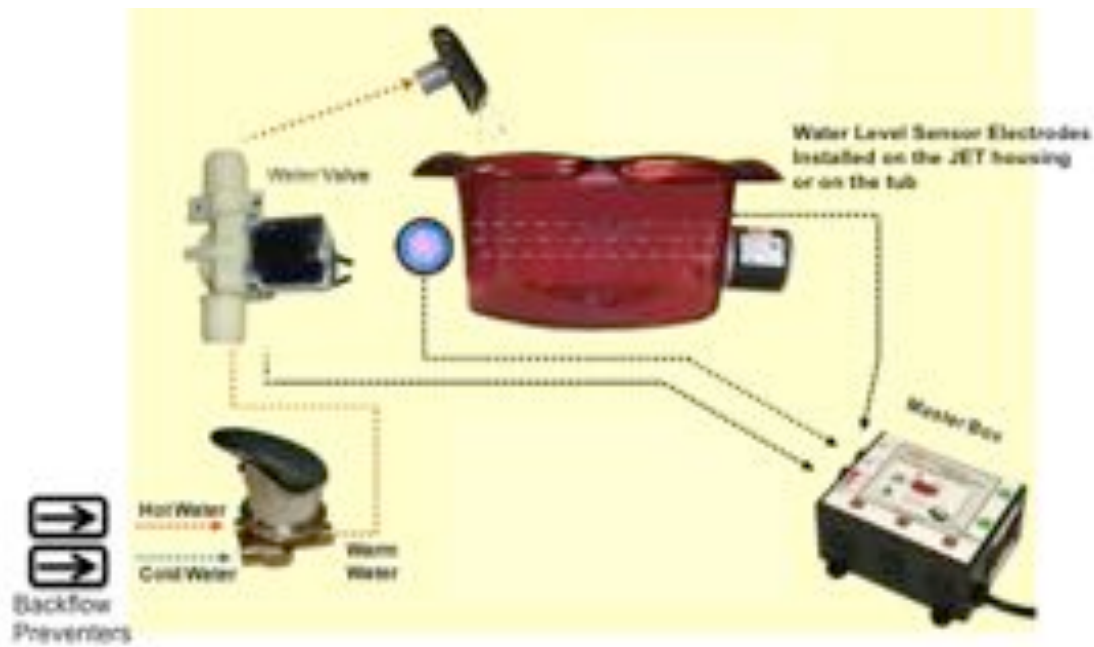


Fig.1: Connection Diagram

**ATTENTION:** BACKFLOW PREVENTERS ARE REQUIRED FOR EVERY SPA CHAIR. THEY MUST BE INSTALLED ON BOTH HOT AND COLD WATER LINES TO AVOID LOSING HOT WATER FROM ONE CHAIR TO THE OTHER.

### II) System Installation

A capacitive sensor with advanced electronics and firmware are used to detect the water level. This technology can also work with a disposable liner.



Fig. 2: Capacitive sensor installed on JET Housing

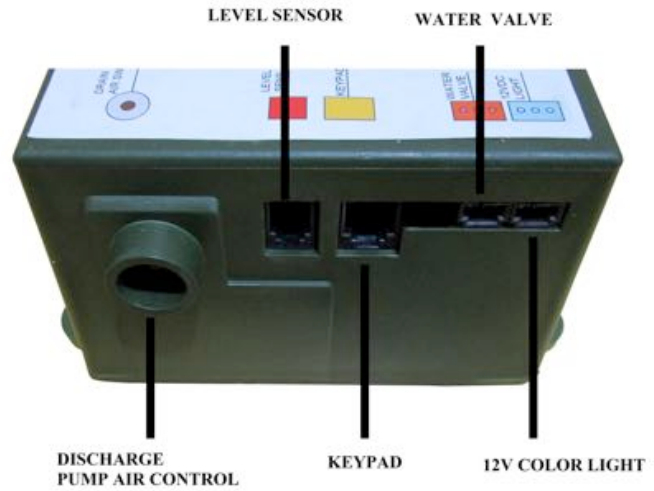


Fig. 3: Input and Output Control Ports

**Follow the steps below for the water level sensor installation**

- a) Connect the sensor cable to MasterBox port named “**LEVEL SENSOR**”, (Fig. 3)
- b) Connect the Water Valve to MasterBox port named “**WATER VALVE**”, (Fig. 3). Note: The water valve is unidirectional.
- c) Connect the Control Keypad to MasterBox port named “**KEYPAD**”, (Fig. 3)
- d) Connect power to the MasterBox (Note: The blue light on the back of MasterBox should turn on)

**ATTENTION: BACKFLOW PREVENTERS ARE REQUIRED FOR EVERY SPA CHAIR. THEY MUST BE INSTALLED ON BOTH HOT AND COLD WATER LINES TO AVOID LOSING HOT WATER FROM ONE CHAIR TO THE OTHER.**

**Sensor Delay Time Setting:**




The sensor delay time can be adjusted by a knob located next to the blue light. Depending on the knob position (Fig. 4), a valve shutoff delay time will be added after water reaches the sensor. This delay allows the user to set the preferred water level in automatic fill mode.



Fig. 4: Time delay setting

**III) How to operate the iFill 4 (Be sure that the faucet is open)**

**ATTENTION: IFILL 4 WILL RUN A SELF-CALIBRATION EVERY TIME THE SYSTEM IS POWERED UP. THIS CALIBRATION REQUIRES THE TUB TO BE EMPTY (WITHOUT ANY WATER IN IT). BE SURE THAT THE TUB IS EMPTY BEFORE SYSTEM IS PLUGGED TO POWER OUTLET.**

- Pressing the iFill (  ) button will turn On/Off the Automatic-Fill
- Pressing the JET (  ) button will turn On/Off the JET and color light manually (**1 Hr timer**)
- Pressing the Valve (  ) button will turn On/Off the water manually (**4 minute safety timer**)

#### IV) How to reboot the iFill 4

Please follow the steps below

- Drain all water from the tub completely
- Unplug the power cord of the Masterbox
- Wait about 15 seconds and plug power cord back to power outlet

## WARRANTY INFORMATION

### One (1) YEAR LIMITED WARRANTY

1. This Warranty applies only to the original purchaser of this product.
2. This Warranty applies ONLY to repair or replacement of any supplied or manufactured parts of this product. The warranty does not cover normal wear, coating, dropped or abused units.
3. Unless otherwise proscribed by law, LURACO shall not be liable for any personal injury, property or any incidental or consequential damages of any kind resulting from malfunctions, defects, misuse, improper installation or alteration of this product.

**Attention: Any modification to the product will void the warranty**

### Important Instructions

If you need to send a unit to us for repair, please follow the steps below.

1. Carefully pack the item in its original carton or other suitable box to avoid damage in shipping.
2. Before packing your unit; be sure to enclose:
  - Your name with full shipping address and telephone number
  - A dated receipt to PROOF OF PURCHASE
  - Include a detailed description of the problem you are having

**THANK YOU FOR BUYING LURACO PRODUCTS**



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