



# Installation Instructions

for 3-speed & message mode  
Pneumatic Push Button

**AIR SPA**  
Systems

Premier Services and Installations  
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## Air Spa Systems

**Please read the following instructions carefully before and during installation of your Hydra-Spa system.**

**GENERAL.** The system employs a spa blower with an integral controller.

The only connections to be made during installation other than mains input to blower are 1) air tube to pneumatic push button and 2) blower hose attachment. All other connections have been factory made and must not be disturbed

### PRIOR TO INSTALLATION

- Do not fill bath with water until installation is complete.
- Do not connect the power supply until the installation is complete.
- Do not pick the bath up by the plastic pipes.
- Check that all equipment supplied is in good condition.

It would be a sensible precaution to protect the jets inside the bath with a sheet or blanket whilst carrying out the installation work.

<b>TROUBLE SHOOTING GUIDE</b>	
<b>PROBLEM</b>	<b>CHECK</b>
System will not activate	<ol style="list-style-type: none"><li>1. Check the CABLE between the control box and the ON/OFF button is fitted correctly.</li><li>2. Check you have turned the power back ON at the mains and/or isolation switch.</li><li>3. Turn off electricity at mains supply and check terminals have been fitted correctly.</li><li>4. Check air supply hose and air tube is fixed securely.</li></ol>

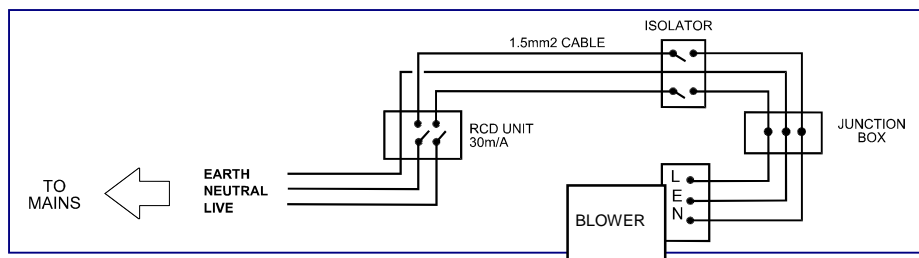
## ELECTRICAL INSTALLATION

**We strongly recommend that all Electrical Installation Work is carried out and tested by a suitably qualified Electrical Engineer.**

### GENERAL

1. All electrical wiring should conform to the requirements of the Regulations for Electrical Installations – 16<sup>th</sup> Edition 1994, published by the Institute of Electrical Engineers.
2. Electrical connection. Mains cable to blower-controller is pre-fitted (see diagram).

### WIRING DIAGRAM



**Important note:** Do not spur off any other electrical appliance from the blower box as it can give rise to a fault condition – keep independent.

### ELECTRICAL SAFETY

1. It is recommended that the electrical supply to the unit must be protected via a suitably rated Residual Current Circuit Breaker (RCCB) with a trip mechanism of 30mA rating wired in 1.5mm<sup>2</sup> twin & earth cable connecting onto a 15A fuse circuit breaker. The RCCB must be located outside the bathroom area (a bathroom airing cupboard away from the bath is a permitted location) and in turn be fed from a suitable rated isolator having a minimum contact separation of 3mm in all poles.

**Warning:** You must ensure there is sufficient clearance under the bath for the appliance/s and that they are placed flat. Do not fix the appliances where they could accidentally fall into the bath.

**Note:** If the household already has a 30mA RCCB at the fuse board (mains), it is **not** necessary to install another. However, a means of isolating the electricity supply is required i.e. Double pole switch in an airing cupboard.

2. The electrical supply cable must have a cross sectional area of at least 1.5mm<sup>2</sup>.
3. Please ensure the supply cable is round (not flat) to ensure a good seal through the cable gland under the bath.
4. All electrically conductive parts of the installation – hot and cold pipes metal baths etc - must be bonded together AND to the mains supply EARTH terminal with a conductor of not less than 4mm<sup>2</sup> in cross sectional area.

It is essential that after installation the earth bonding be checked with a suitable earth bonding test meter. The resistance of the earth bonding circuit should not be less than 0.1 ohms when tested with a 12v AC 25amp supply.

CLASS 1 with integral controller and earth  
MAINS SUPPLY - 230v 50Hz  
POWER OUTPUT: 900W

CE class 1

## TESTING AND INITIAL OPERATION

1. Make sure the electricity supply is turned OFF at the mains.
2. Clear all debris from the bath – wipe with a cloth if necessary.
3. Fill the bath with sufficient water to cover the jets (5-6”).
4. Switch ON the power supply. Press the push button once to activate spa on high speed, press again for medium, press again for slow, and again (fourth press) for the message mode. The fifth press will switch the system off.
5. Run the system for approximately 10 minutes.
6. Leaving the water in the bath, switch off the system and after a further 10 minutes check all pipe work, joints and connections for leaks.
7. Once you are happy there are no leaks and the system is running correctly, drain the bath and turn off the isolation switch.

### Note:

\*\* When Spa has been switched off after use it will automatically come on 30 minutes later and stay on for a 30 seconds purge (Hygienic control management).

\*\* 30 minutes after user operates the Spa for the last time the system will automatically switch off 30 minutes later

**\*\* INSTRUCT USER ON SPA OPERATION & LEAVE THE USER INSTRUCTIONS FOR THE CUSTOMER’S USE.**

## PLUMBING INSTRUCTIONS

Your chosen bath will come complete with standard bath manufacturers’ plumbing instructions.

1. Check all pipe work for signs of transit damage.
2. Install and level the bath in the normal way – see bath manufacturer’s plumbing instructions.
3. When fitting flexible tubes or electric cables, ensure they are not twisted or trapped.
4. Place Air Blower on the floor under the bath in close proximity to connecting pipe.
5. Connect flexible pipe to Air Blower nozzle and tighten blower union nut and pipe jubilee clip
6. Push fit the 3mm clear airline tube tightly to the nipple on the underside of push button and on the blower.

