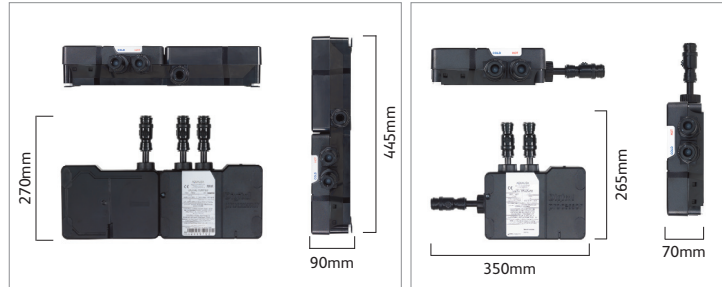


This product must be installed by a competent person in accordance with the relevant Water Supply Regulations.

In addition to the guide below, it is essential that the written instructions overleaf are read and understood and that you have all the necessary components (shown opposite) before commencing installation.

The iSys Digital shower system is supplied with universal fixings intended to secure it to a suitable wall.

1 To ensure safe operation and installation of this product, the processor MUST be installed in one of the orientations shown.



2 Isolation valves are supplied with the Digital processor and must be fitted on both inlets and the blended water outlet. All pipe work should be run in 15mm pipe. All pipe work should be supported. For externally pumped gravity fed installations, 22mm pipe work should be run as close to the processor as possible before reducing down to 15mm.



The inlet supply centres are 48mm. The inlet supply centres deviate from EN1111 and EN1287, but are deemed to be a special case. Please note arrow on isolation valve to indicate direction of flow. Compression fittings should not be used on the inlet and outlet spigots and may affect the warranty if fitted.

3 Choose the position for your Digital processor as close to the shower control as possible. The processor may be sited in the roof space above the proposed shower site, in the airing cupboard or behind a screwed bath panel if more convenient. If siting in the roof space, ensure that freezing cannot occur and that no insulation material is placed under or over the processor. Please refer to the system layout diagrams.

THE PROCESSOR MUST BE SITED IN A POSITION THAT IS SAFELY ACCESSIBLE FOR SERVICING AND COMMISSIONING PURPOSES. WHEN FITTED IN THE LOFT SPACE, THE ROUTE TO AND THE AREA AROUND THE PROCESSOR MUST BE BOARDED TO ENSURE A SAFE WORKING ENVIRONMENT.

The optimum position for the Digital processor is in the roof space above the shower site to take full advantage of the ease and speed of installation – please refer to the note above.

The distance between the Digital processor and shower control must be within range of the 10m data cable supplied.

4 Place the Digital processor on a solid mounting surface, adjusting the fixing feet into suitable positions. Mark then drill and prepare suitable fixings before securing the processor to the mounting surface using the screws provided.



5 Flush out the hot and cold supply pipes.

The maximum hot water inlet temperature must be no more than 65°C.

6 Attach the supply pipes to the Digital processor, ensuring that the cold and hot feeds are fitted into the appropriately marked inlets.



DO NOT SOLDER NEAR TO PLASTIC COMPONENTS.

7 Run the pipe from the mixed water outlet on the Digital processor valve through the wall to the proposed siting for the shower hose outlet, fixed head arm or bath outlet, depending on the system purchased.

8 Undo the screw and remove the end cap from the controller assembly. Carefully pull the controller away from the back plate and set aside.



9 Place the back plate on the wall in the desired location for the shower control and mark the fixing points and the data cable entry point. Remove the back plate and drill a Ø16mm hole at the appropriate position for the data cable.

The data cable should be run in conduit to allow for replacement if required. Care should be taken to ensure the mounting holes do not pierce the data cable conduit. Ensure the data cable is the correct way round as both ends differ in type of connection used.



10 Drill and prepare the wall fixings for the two back plate mounting screws. Secure the back plate to the wall using the fixings provided, if suitable.

The data cable entry point within the wall should be filled with mastic to prevent water ingress.



11 Connect the data cable into the cable coming from the rear of the controller, in the correct orientation. Push the data cable into position ensuring the cable connection is fully pushed home. Tuck the remainder of the cable into the control before placing the controller into position on the back plate.



12 Locate the end cap into position at the bottom of the controller assembly. Securely screw the controller onto the back plate assembly.



13 Connect the 15mm copper pipe to the mixed water outlet on the Digital processor. Using pipe clips as appropriate, ensure that all pipe work is perpendicular to the processor, i.e. not putting any strain on the fittings.

TO ENSURE OPTIMUM PERFORMANCE USE THE MINIMUM AMOUNT OF ELBOWS.

TO MAXIMISE FLOW RATES WE RECOMMEND USING COPPER PIPE WITH THE MINIMUM AMOUNT OF ELBOWS.

BEFORE ANY ELECTRICAL ADJUSTMENT IS ATTEMPTED, THE ELECTRICITY SUPPLY MUST BE TURNED OFF AT THE MAINS SWITCH.

ELECTRICAL INSTALLATION MAY ONLY BE CARRIED OUT BY A QUALIFIED PERSON.

14 Connect the processor power lead to a double pole 3amp switched fused spur, incorporated in the wiring circuit, in accordance with current wiring rules. Ensure that this is located in an accessible, dry location and not in the bathroom.

THIS APPLIANCE MUST BE EARTHED.

We recommend protecting surface mounted cables in suitable approved conduit to avoid the risk of damage from vermin.

The data cable and power lead should also be clipped in place with 'P' clips or similar to avoid accidents.

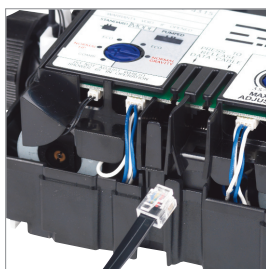


15 Unscrew the single fixing on top of the processor box and then carefully tilt the lid up and off the location lugs and pull the lid clear.



16 Connect the low voltage data cable into the socket adjacent to the temperature adjuster as indicated on the label. Feed the cable out of the processor box ensuring it is correctly routed within the data cable channel.

For single outlet systems, a further data cable socket has been provided for use with the secondary Digital remote control. This can be accessed by carefully snapping and removing the entry pillar and connecting the cable as described above.



17 **Fit the shower head system following the separate installation instructions provided.**

18 The Digital processors are supplied factory set with the flow rate at either 'NORMAL HP' or 'NORMAL GRAVITY' mode depending on which shower system has been ordered.

HP/COMBI PROCESSORS ON BALANCED HP SYSTEMS:

HP/Combi Digital processors fitted to balanced high pressure systems may be set to 'NORMAL HP', or for water economy, 'ECO' modes.

HP/COMBI PROCESSORS ON COMBINATION BOILER SYSTEMS:

For HP/Combi Digital processors installed on combi boiler systems, for optimum performance we recommend setting the flow rate to the 'COMBI' mode.

N.B. The 'ECO' flow rate mode should not be selected for shower systems fitted to combination boilers.

GRAVITY PUMPED PROCESSORS:

Gravity Pumped Digital processors fitted to gravity systems may be set to 'NORMAL GRAVITY', or for water economy, 'ECO' flow rate modes.

WHEN MAKING ANY ADJUSTMENT TO THE PROCESSOR SETTINGS THE POWER MUST BE ISOLATED.

19 For single outlet systems, re-instate the electricity supply to the Digital processor. Press the 'Start/stop' button on the controller to turn the shower on. The processor will start in the highest flow rate or 'Boost' mode.

Press the 'Boost' button to revert to the 'Normal' flow rate. The processor will now provide both 'Normal' and 'Boost' modes.

20 Run the shower at maximum temperature (factory pre set to 45°C). If required, maximum temperature adjustment can be made with a flat bladed screwdriver using the 'MAX TEMP ADJUSTMENT' control as indicated. When the temperature has been set to the desired position, carefully replace the Digital processor lid and secure the fixing hand tight only.

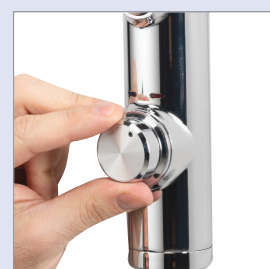
Site conditions can affect temperature settings, installer to adjust as required. ALL COPPER PIPE WORK MUST BE CROSS-BONDED AND CONNECTED TO A RELIABLE EARTHING POINT.

iSys controllers are supplied with a temporary, clear protective film on the controls, please remove film once the product has been installed.

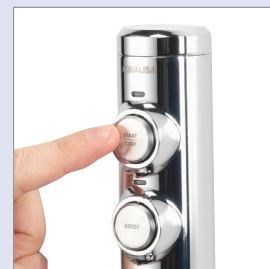


Shower Control User Guide

1. Turn the temperature dial to the required setting.



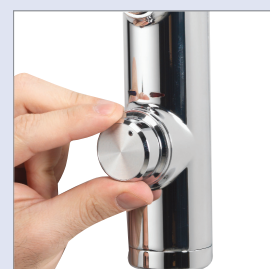
2. Press the 'Start/stop' button on the control, to turn the shower on.



3. The red and blue LED display's will flash until the selected temperature has been reached.

4. When the LED display's are constant, step into your shower and enjoy!

5. The temperature may be adjusted once in the shower.



6. Press the 'Boost' button on the control to increase the strength of the shower when desired. N.B. If installed on a combination boiler system, the strength of the 'Boost' button will depend on the performance capability of your combination boiler.

7. Press the 'Start/stop' button on the control, to turn the shower off.

Adjustable Head User Guide

1. To select the preferred height for the shower head. Depress the levers fully to enable the holder to be moved up or down the rail.

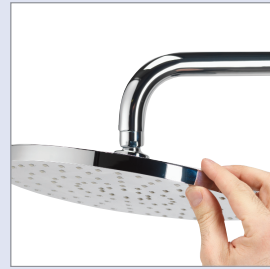


2. Angular adjustment is made by carefully but firmly pulling forwards or pushing back the shower head against the knuckle ratchet in the holder.



Fixed head user guide

1. The angle of the fixed shower head can be adjusted. The shower head is mounted on a multi directional ball joint to allow for angular adjustment in any direction by carefully holding the shower head and moving the head to the desired angle.



Cleaning and maintenance

Your iSys Digital shower system should be cleaned using only a soft cloth and washing up liquid.

DO NOT USE ABRASIVE CLEANERS

To reduce the need for chemical descaling in hard water areas, your shower head incorporates a 'clear flow' system, whereby any scale build up can be broken down by gently rubbing the flexible tips of the jets during use. This procedure should be completed regularly, as often as once a week in some hard water areas, as scale build up can affect the spray pattern and cause the shower to perform poorly. Failure to descale the shower head can affect the internal seals and may affect the warranty.

Cleaning and maintenance should not be undertaken by children without supervision by a person responsible for their safety.

Should chemical descaling of the head become necessary, remove the shower head fully and immerse in a mild proprietary descalant.

IT IS IMPERATIVE THAT DESCALING IS CARRIED OUT STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. SUBSTANCES THAT ARE NOT SUITABLE FOR PLASTICS AND ELECTROPLATED SURFACES MUST NOT BE USED.



Components Fixed head - Ceiling (HP/Combi)



Literature not shown

Components Fixed head - Ceiling (Gravity pumped)



Literature not shown

Components Fixed head - Wall (HP/Combi)



Literature not shown

Components Fixed head - Wall (Gravity pumped)



Literature not shown

Components Adjustable (HP/Combi)



Literature not shown

Components Adjustable (Gravity pumped)



Literature not shown