



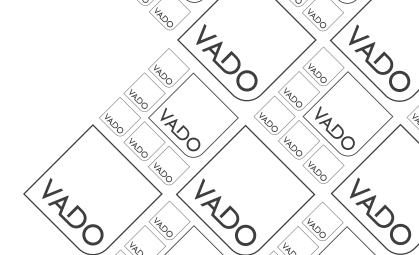
where inspiration flows



IDENTITY

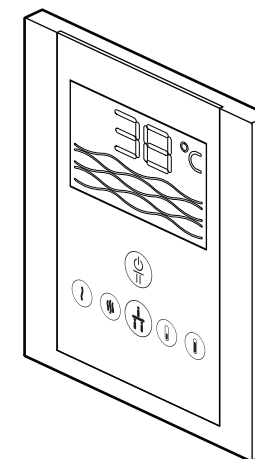
Installation Guide

Thermostatic digital shower control panel with diverter



This instruction booklet covers model:
IDE-147D

IDE-147D



Vado
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Important - please read

Please read these instructions carefully before starting installation and keep for future reference.

Remove all packaging and check the product for missing parts or damage before starting installation.

Remove all packing materials and dispose of correctly.

To avoid risk of suffocation to children or animals, dispose of the plastic bags correctly.

Any alterations made to this product and fittings may infringe water and electrical regulations and will invalidate the guarantee.

Under no circumstances, should the lid to the control box be removed. Removal of the lid, will invalidate any guarantee and carries risk of shock (240V).

If installing in an enclosed environment, access should be left for servicing and maintenance. Please note this includes access to the cables. No costs relating to inadequate access can be accepted.

All electrical connections and alterations should be carried out by a qualified electrician and be in compliance with Part P regulations.

Installation requirements

Due to recent seasonal extremes in weather conditions in the UK some of the locations where IDE-147D CPU have been exposed to extremes of high and low temperatures (this is particularly prevalent in units installed in a loft space), these temperatures can have an impact on the function of the unit once it reaches the same temperature the environment. In the case of both extremes of temperature the effect can be the same: the unit will cease to function.

In the case of cold temperatures (typically around 50°C) the solenoids that control water flow can cease to operate, this is not a product fault and once warmed to higher temperatures the operation of the unit will return to normal, there is no permanent damage. However, if the unit has become frozen permanent damage may have been caused, it is essential that the unit is isolated from the incoming water feeds and the unit inspected prior to use once, once defrosted.

In the case of high temperature exposure the unit can cease to function as the antiscald feature has been activated. To activate this safety feature requires the unit or incoming cold water temperature to be 20°C above the set temperature on the control panel. For example, if the shower is set to run at 38°C and the unit/ incoming water temperature is at 40°C this safety feature will be activated. There is no permanent damage to the unit, and once cooled will return to normal operation. This is not a product fault. It is possible to manually rectify this situation by setting the temperature on the control panel to the maximum of 46°C (ensuring that no-one is under the water outlets) and turning on. This may allow cold ground water to be drawn through the unit and to cool it, once sufficient water is drawn through, the temperature can be lowered to the desired setting.

Guarantee

All VADO products come with a 2 year guarantee as standard. Within this guarantee period VADO will provide replacement parts and any labour **[SEE NOTE 1]** needed to complete the product repair.

This standard guarantee may be extended by registering your product to give up to a 15 year guarantee period. Once registered:

VADO chromed brassware and stainless steel products have a 15 year guarantee (2 years parts and labour plus 13 years parts only).

VADO Sensori SmartTouch and SmartDial products have a 5 year guarantee (parts and labour). VADO Identity and i-tech products have a 5 year guarantee (2 year parts and labour plus 3 years parts only).

All other VADO products have a 3 year guarantee (2 years parts and labour plus 1 year parts only) **[SEE NOTE 2].**

Guarantee Conditions

Our products are guaranteed against manufacturing defects from the date of purchase until the expiry of the relevant guarantee period shown above.

The guarantee is only valid if:

- The product has been installed, used and maintained in accordance with VADO's instructions and subjected to normal use only.
- The defect is not due to use of an unsuitable or inadequate water or power supply.
- The defect is not due to accident, misuse, neglect or incorrect/inappropriate repair (other than by VADO or VADO authorised agents) or damage caused by foreign objects or substances.
- The extended guarantee is only available if you have completed the Guarantee Registration Process.

This can be done via the VADO website or via phone to our aftersales team.

Registration must be completed within 6 months from date of purchase.

Under the extended guarantee period VADO will, at its option, offer to supply any replacement product (or component part) assessed to be defective **[SEE NOTE 3].**

The guarantee (whether standard or extended) is non-transferable to any subsequent owner.

All claims under the guarantee should be notified in the first instance to our Aftersales department, contact details below, this must be done no later than the last day of the relevant guarantee period.

All claims must be accompanied by proof of purchase (sales receipt or delivery note) from an official VADO dealer.

The guarantee does not extend to any consequential loss or damage.

After repair or replacement, the relevant guarantee period will be calculated from the original date of purchase.

VADO operates a policy of continuous product development and therefore reserves the right to change the product, packaging and documentation specifications without notice. E&OE.

NOTES:

[1] Labour via our engineer network is only available in the UK. Attendance by a VADO engineer or sub-contract engineer will be under our standard terms and conditions.

[2] VADO spare parts and shower hoses are under a parts only guarantee.

[3] VADO reserves the right to charge in advance for a product (or replacement part) pending collection and investigation (at VADO expense) to confirm a defect is due to a manufacturing issue. If a defect is found the charge will be refunded or cancelled.

This guarantee is in addition to and does not affect your statutory rights as a consumer.

Tel: 01934 745163

Email: aftersales@vado.com

Troubleshooting

Problem	Possible cause	Solution
Outlet water temperature is too cold.	<ol style="list-style-type: none"> 1. Incorrect power rating. 2. The temperature is set too low. 3. The hot water is not hot enough. 4. The hot water pressure is lower than the cold. 5. The cold and hot pipes have been reversed. 	<ol style="list-style-type: none"> 1. Check the supplied AC connections are correct. 2. Adjust the temperature. 3. Increase the water inlet temperature. 4. Increase the hot water pressure or reduce the cold. 5. Reverse the pipes.
Outlet water temperature is too hot.	<ol style="list-style-type: none"> 1. Incorrect power rating. 2. The temperature is set too high. 3. The cold water pressure is lower than the hot. 4. The cold and hot pipes have been reversed. 	<ol style="list-style-type: none"> 1. Check the supplied AC connections are correct. 2. Adjust the temperature. 3. Increase the cold water pressure or reduce the hot. 4. Reverse the pipes.
The red light is flashing.	<ol style="list-style-type: none"> 1. Incorrect power rating. 2. The product fails to start. 	<ol style="list-style-type: none"> 1. Check the supplied AC connection are correct. 2. Restart the product. Turn off, wait for 1 minute, then turn on.
Touch buttons fail to operate.	<ol style="list-style-type: none"> 1. No power. 	<ol style="list-style-type: none"> 1. Check power supply.

Disposal - please read

Waste electrical and electronic equipment (WEEE)

The wheeled bin symbol means the product is covered by the European Directive 2002/96/EC.

DO NOT dispose of this unit with normal household waste, take to a local authority recycling centre.

Important - please read

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience or knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understood the hazards involved. Children may not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Electrical Connections

All electrical connections should be carried out by a qualified electrician.

The installation must comply with current NICEIC regulations and to the requirements of BS7671 (Requirements for electrical installations).

Please ensure that all exposed metal is supplementary bonded.

Always switch off the power at the main consumer unit and isolate the electrical supply before making any electrical connections.

This appliance is to be fitted with the relevant RCD protection.

Plumbing Connections

The installation must comply with all Local/National Water Supply Authority Regulations/Byelaws and Building and Plumbing (UK:BS6700) Regulations.

This mixer valve is suitable for any water system, provided minimum water pressure is met.

Where connections are made to the mains cold water supply, WRC approved single check valves must be fitted to both hot and cold inlets. This is a stated requirement of Water Supply (Water Fittings) Regulations 1999 Schedule 2, Section 15.

Before making any inlet pipe connections, all supply pipes MUST be thoroughly flushed to remove debris. Failure to do so could result in damage or low flow from the mixer unit. Water Supply (Water Fittings) Regulations 1999 Schedule 2 Section 13.

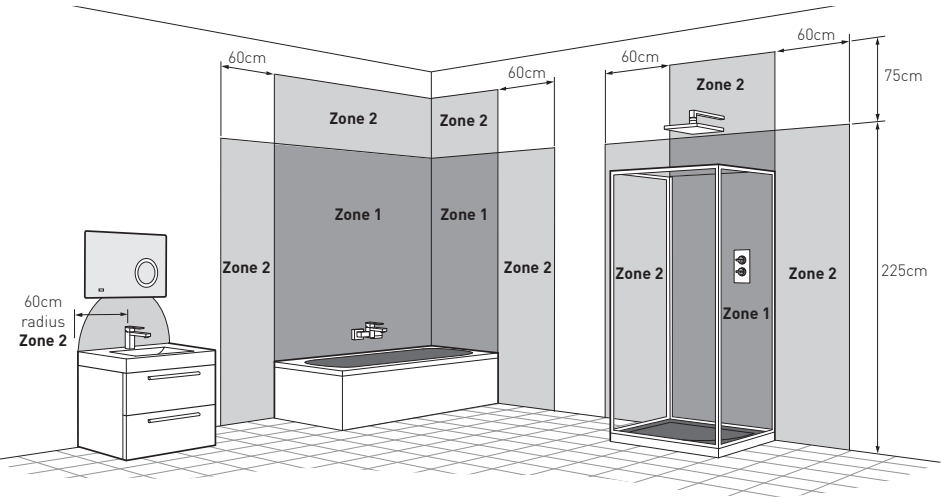
The fitting of isolating valves to the inlet feeds is advised for ease of maintenance.

Please take great care when installing this mixer not to damage its surface.

Note: When pressure is higher than 5 bar a pressure reducer is required to be fitted before the valve.

Important

All Vado identity showering products are IPX4 rated and are suitable for installation in zone 1 and beyond. The diagram below illustrates this zonal concept and must be followed to ensure safe installation of electrical bathroom products.

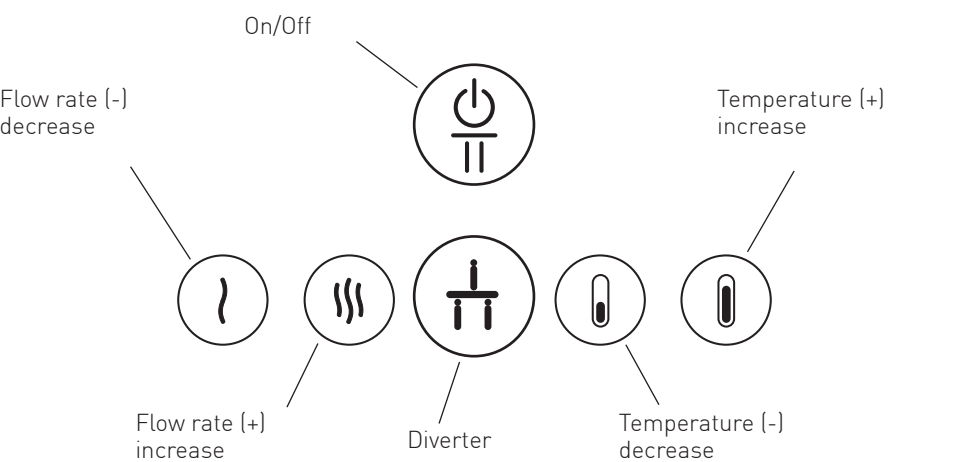


- Zone 0 - Inside the Bath or Shower.
- Zone 1 - Area above the Bath or Shower tray to an height of 2.25m (minimum IP Rating of IPX4 is required alongside RCD protection).
- Zone 2 - Area outside of Zone 1 (minimum IP Rating of IPX4 is required).

Cleaning instructions

The electroplating on this product is finished to the highest standard. Due care needs to be taken to ensure the appearance is retained. We recommend cleaning all products with a soft damp cloth ONLY and advise strongly against the use of all aggressive/corrosive cleaning products i.e. powders and liquids. If these instructions are not followed, this may invalidate your guarantee in the event of a problem occurring.







Operation



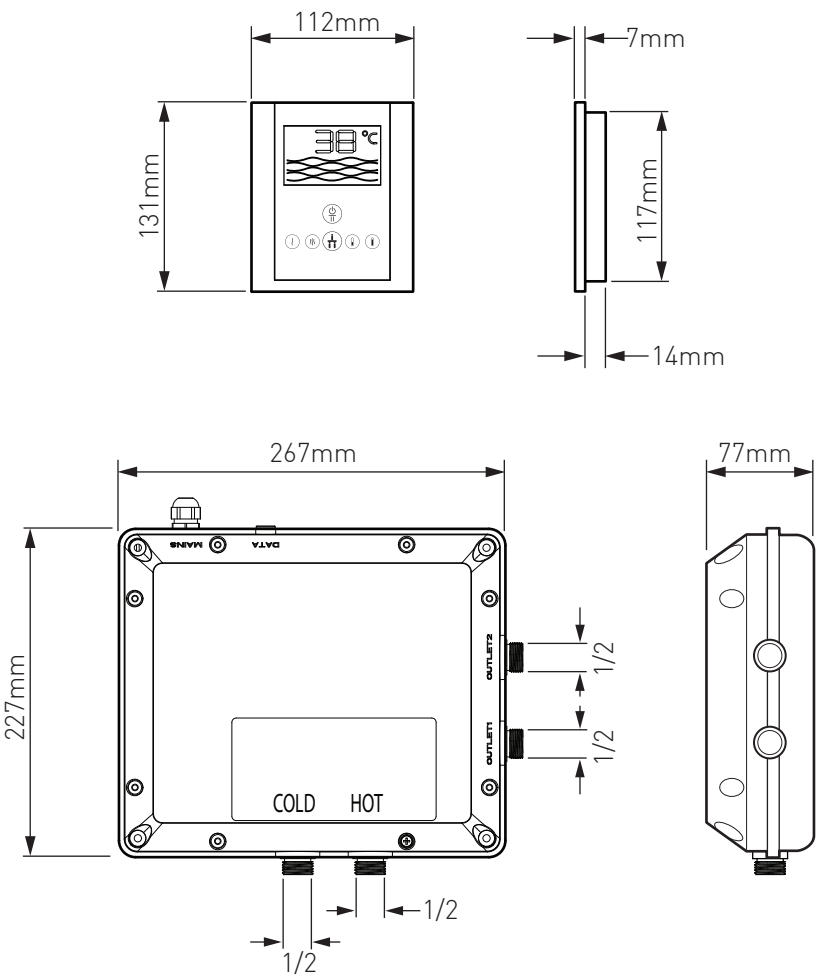
The mixer has 5 steps for the flow control and the temperature ranges from 25°C to 46°C. When the mixer is first commissioned the flow control is set on the 2nd step, and the temperature control is pre-set to 38°. If no keys have been pressed for 15 minutes the mixer will automatically switch off.

Touch button LED colours	
Red light flashed for 3 seconds	Mixer is starting
Blue colour	Outlet water temperature <34
Purple colour	Outlet water temperature <40
Red colour	Outlet water temperature over 40
Red light flashed for 0.5 seconds	Product has malfunctioned

Operation

Symbol	Description	Function descriptions
	On and Off	Each touch of the button switches the mixer on/off, each touch of the button a buzzer is heard. When on the panel LEDs will light accordingly.
	Flow rate (-)	When switched on - At each touch of the button the flow is decreased accordingly and a buzzer sound is heard.
	Flow rate (+)	When switched on - At each touch of the button the flow is increased accordingly and a buzzer sound is heard.
	Diverts the flow	Each touch of the button diverts the mixer between outlet 1 and outlet 2, each touch of the button a buzzer is heard. When on the panel LEDs will light accordingly. A symbol will show on the LCD screen.
	Temperature (-)	When switched on - At each touch of the button the temperature is decreased accordingly and a buzzer sound is heard.
	Temperature (+)	When switched on - At each touch of the button the temperature is increased accordingly and a buzzer sound is heard.

Dimensions



Operating specifications

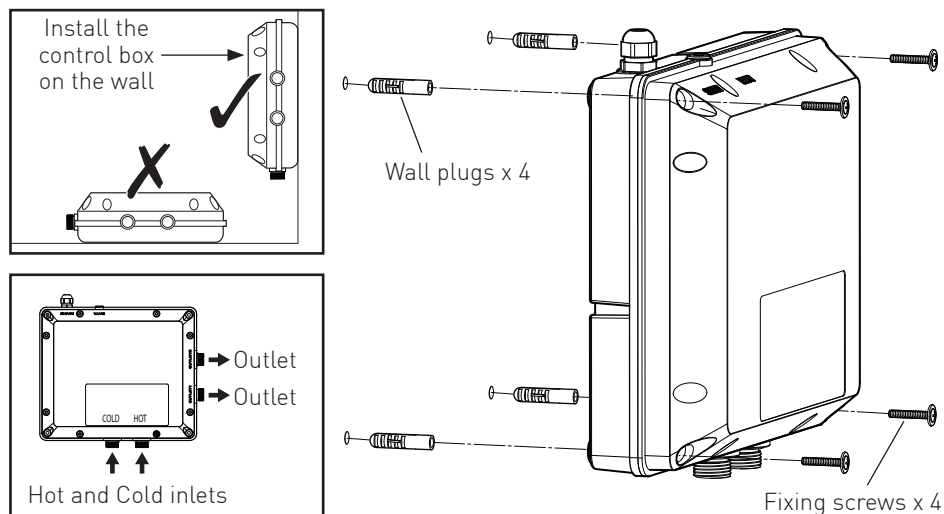
Plumbing Connections

Minimum operating pressure 0.5 bar for shower and 1.5 bar for bath fill
Maximum operating pressure 5 bar

Electrical Connections

Rating - 220-240V AC/50Hz
Maximum power rating 16W

Installation - control box



⚠ Warning! Please check for any hidden cables and pipes before drilling holes in the wall.

The control box should be installed horizontally on the wall (see above).

Before fitting control box horizontally to the wall please ensure that hot and cold inlets are at the bottom, with the outlet on the right hand side.

Please note: when first turned on, outlet 1 will be the principle function. Please ensure this outlet is connected to the desired channel i.e. shower or bath.

Fix the template supplied to the wall in a suitable dry position under the basin, making sure the flexible pipe from the mixer will reach the Control Box.

Please note: If installing in a loft space or area susceptible to cold temperatures then adequate steps must be taken to ensure that the box is protected from frost.

Make sure the template is level and mark the position of the 4 screw holes.

Using suitable wall fixings for your wall (fittings supplied are for solid walls) drill the 4 marked positions with a suitable drill and insert the wall plugs.

Attached the control box to the wall with 28mm supplied screws.

Plumbing connection

Using the supplied flexible pipes, connect the hot and cold supplies to the control box, according to the indications on the label.

Mains electrical connection

Connect the control box to the ~230V 50 Hz AC mains supply with a fused switch and an inline RCD outside of the bathroom.

The mains cable can be connected to a 3 or 5 amp plug if required using the following connections.

Brown - (L) Live Blue - (N) Neutral Green/yellow - (E) Earth

Note: If using a plug and socket the socket must not be installed within the bathroom.

Installation - control panel

The data cable is 10 metres in length, therefore the control panel and control box must be positioned accordingly within this distance.

Unclip the cover from the bottom of the control panel and lift away from the top.

In the required position prepare a recess in the wall 98mm x 117mm and by 30mm deep from the final finish wall surface.

Fix the box in position making sure it is level and flush with the finished wall surface.

Bring the end of the extension lead coming from the control box through one of the holes in the box and connect to the lead coming from the control panel. Line up flats on both connectors and push together, screw on the ring to secure together.

Push the connector into the recess and the control panel into the box, secure in position with the 4 x 16mm screws.

Place the cover over the top of the control panel and clip onto the bottom.

