

Warranty Information

Proof of purchase will be required.

The guarantee does not cover faults or damage caused by incorrect installation and/or maintenance, ordinary wear and tear, water composition, etc.

*Please see www.deva-uk.com for full terms and conditions of warranty

Cleaning

Your product has a high-quality finish and should be treated with care to preserve the visible surfaces. Never use abrasives or abrasive cleaning agents to clean this product clean regularly with contamination free warm water and a damp soft cloth. Do not use products containing chlorine bleach or hydrochloric acid as these can damage the product.

We have a policy of continuous improvement and reserve the right to change specifications without notice.

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V2 14/10/2025

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Mono Basin Sensor Tap

SENSOR7/D

Installation Instructions & Maintenance Guide

Technical Specification

Supply:

Suitable for High Pressure Only

Working Pressure:

0.5 - 5.0 Bar

Operating Temperature:

Hot: 45°C

Cold: 1°C

Inlet Connections:

½" BSP

Features:

- Suitable for cold or premixed water
- Moisture and water resistant control unit
- Mains operated with battery backup
- Battery operated, requires 4 x AA batteries
- Recommended for use with a blending valve
- Hands free infrared sensor activated
- Automatic shut off water saving flow control
- Improves water and energy efficiency



Congratulations on your purchase of this new Deva by Methven Sensor Tap. Our fitting instructions have been created with you in mind, to provide you with all the information you require and, if you need any further help, please don't hesitate to contact our customer care team on 0800 195 1602.

Please keep these instructions for future reference and request of replacement parts

IMPORTANT: Please read all of the instructions before installation.

Methven recommends this product is installed by a competent person in compliance with all relevant regional regulations. If you are unsure as to what the regulations require, you can contact your Local Water Authority or the Institute of Plumbers for further details.

Remove all packaging and check the components for damage before starting installation.

This product must **NOT** be modified in any way as this will invalidate the guarantee.

It is the responsibility of the installer to ensure a waterproof seal is achieved, after installation all connections must be checked for leaks.

All outlets used primarily for personal hygiene shall deliver water at a safe temperature as per regional regulations.

GENERAL CHARACTERISTICS

This Sensor Tap is suitable for High Pressure heating systems.

WATER SAVING

When your hands enter the sensing range, the indicator light in the sensor window will shine, then water flows out and stops immediately once you withdraw your hands.

HYGIENIC

Automatic on/off to free hands from any touching, avoiding bacteria infection, which is more convenient and hygienic.

INTELLIGENT

Adopts the micro-computer, the tap can self-adjust the best detection zone and has the function of anti-light and anti-ultraviolet rays.

AUTOMATIC PROTECTION

Automatically stops after 70 seconds to avoid water wastage, if more water is required, draw back your hands for 4 seconds, the water will flow out again.

POWER CUT AVAILABLE

In the event of power failure, this product will automatically switch to battery power. Battery operation requires 4x AA batteries.

SENSOR ADJUSTMENT

The sensor beam length can be adjusted, to do this the sensor light panel must be removed from the mixer body.

Once removed a screw is located on the rear of the sensor panel, this can be turned to adjust the sensor beam length (clockwise to shorten the beam length).

Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
No water out/ or no light flashing on infrared sensor	No power supply and/or batteries are exhausted	Replace the batteries
	No water supply to product	Check water supply
	Battery pack is faulty	Replace the battery pack
	Connectors from the mains/battery pack have been attached wrongly crossing the positive and negative terminals	Change the orientation of the power supply connector
	Check valve(s) (non-return valve(s) are stuck	Release the non return valves with a pen or pencil etc - do not over-tighten flexi hoses
	Dirt in the filter	Clean the filter
	Water pressure too low	Raise the pressure
Water will not turn off	Sensor window is dirty	Clean the sensor window
	I/R beam is being reflected	Move the item reflecting the beam
	Product has been installed incorrectly causing the beam to reflect off the basin	Move the item reflecting the beam
Too little water flow	Water supply is turned down	Adjust water supply
	The inlet filter is blocked	Clean the filter
	Water pressure too low	Raise the pressure on the boiler/heating system
Too much water flow	Water pressure is too high	Adjust pressure
Short cycles of battery	Incorrect batteries	Change to 4x AA Alkaline batteries
The indicator light is not on	The light is broken	Change the light or circuit board
	The circuit board is wet, or signal line is wet	Dry out the affected area
	The battery is exhausted	Change the battery
	Poor connection of battery	Change battery connections

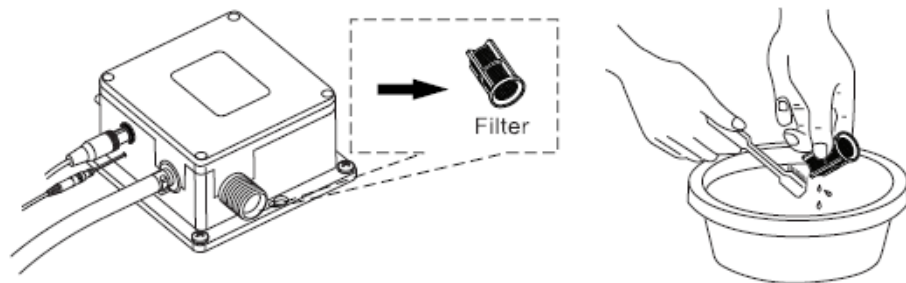
Maintenance

Clean Filter

Please ensure the filter is cleaned every 6 months or if the water flow is reduced.

To clean the filter:

(1) Turn off isolating valve. (2) Unscrew flex hose. (3) Take out filter. (4) Wash filter with warm water and replace.



Clean Aerator

Please ensure the aerator is cleaned if the water flow is reduced.

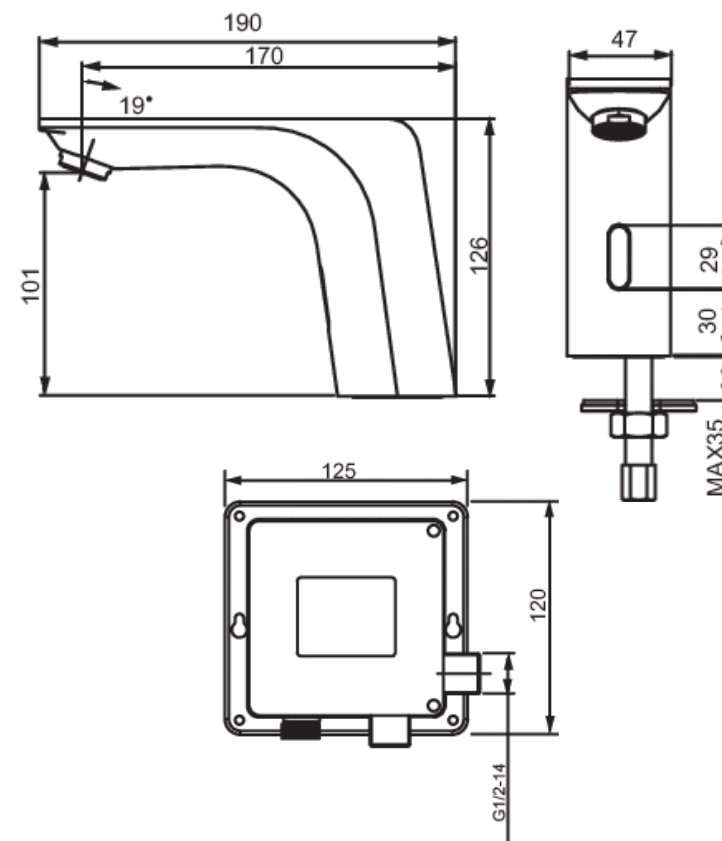
To clean the filter:

(1) Turn off isolating valve. (2) Open and take out filter. (3) Wash filter with warm water and replace.

Technical Specification

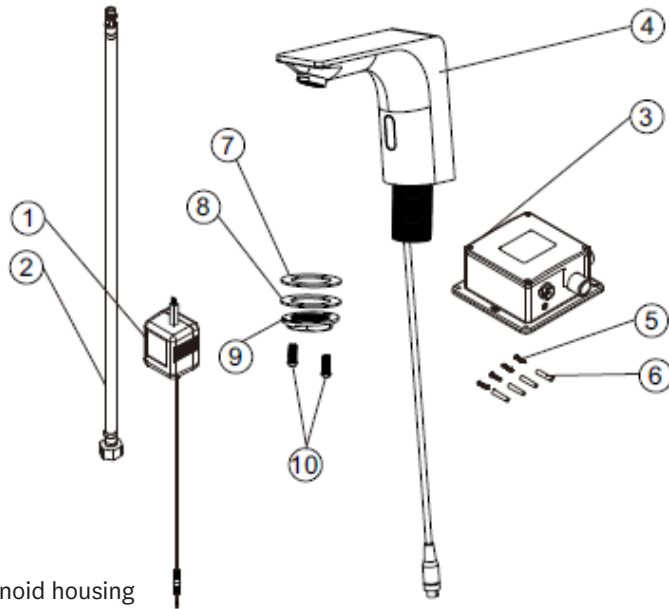
Model No.	SENSOR 7/D
Power Input:	AC: 220-240V (50/60 Hz) DC: 6V (4x 1.5V AA alkaline batteries)
Detection/Sensor Zone:	7 - 30cm
Water Pressure:	0.5 - 8.0 Bar
Power Consumption:	AC: <0.5mw DC: <0.3mw
Inlet/Outlet Diameter:	G 1/2"
Confirmation Time:	< 1 second
Water Temperature:	1°C - 45°C

Line Drawing



Product Breakdown

Check all components are present prior to starting installation.



1. Transformer
2. Flexible Hose
3. Control box/solenoid housing
4. Sensor 7/D Body
5. Screw
6. Plastic Bulged Tube
7. Rubber Gasket
8. Metal Gasket
9. Hold-down Nut
10. Bolt

Installation

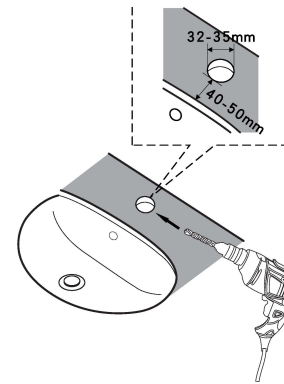
Always turn off or isolate the water supply before commencing the work.

In order to prevent scalding, the hot water supply should be connected to the hot tap via a thermostatic mixing valve.

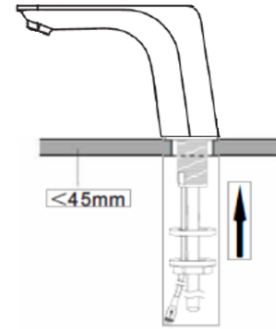
It is recommended that a service valve is installed in the cold water supply pipe and the thermostatic mixing valve should have connections containing an isolating valve in order to isolate the water supply should servicing be required in the future.

Before commencing installation of the new product, ensure that the system has been flushed to remove any debris, which may damage or affect the performance.

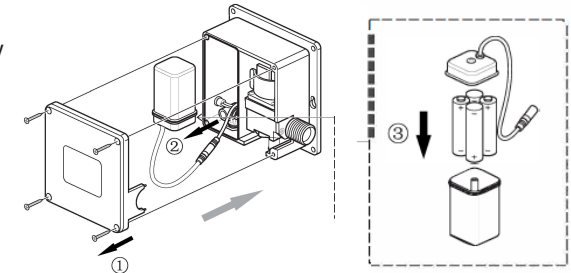
Step 1, Drill hole in mounting surface



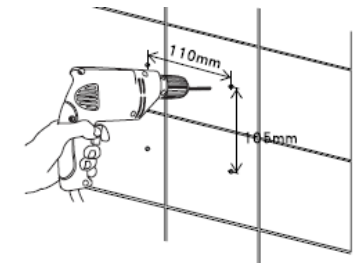
Step 2, Unscrew securing nut from connection thread.
Remove both the Rubber and Metallic Gasket completely from connection thread.
Screw in the M10 Flexible connecting hose to the tap body.
Place the tap thread complete with hoses through the pre-drilled hole in the mounting surface.
Add rubber & metal gasket & nut to thread and secure.



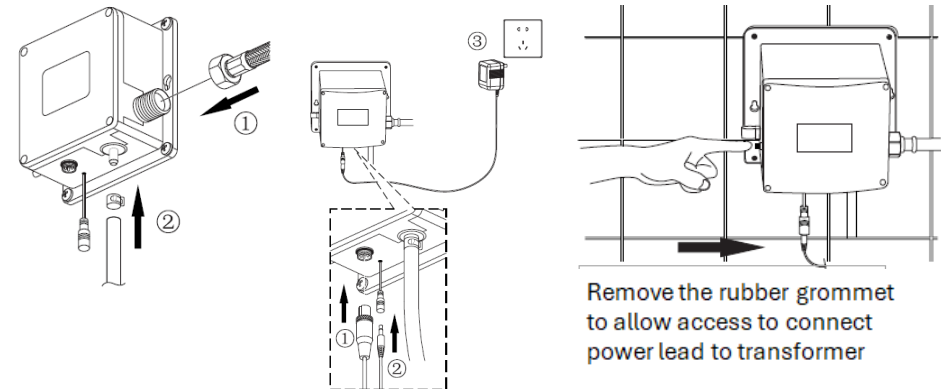
Step 3, Place batteries in battery compartment



Step 4, Pre-drill holes for control box and secure to the wall.



Step 5, Once secured to the wall, connect the inlet (2) and outlet (1) connections, continue to connect the power supply.



Remove the rubber grommet to allow access to connect power lead to transformer