

# Basin Sensor Tap

## SENSOR7/ D

### Installation Instructions & Maintenance Guide

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#### Technical Specifications:

##### Supply:

Suitable for High Pressure Only

##### Working Pressure:

0.5 - 5.0bar

##### Operating Temperature:

Hot: Max 45°C

Cold: Min 5°C

##### Inlet Connections:

1/2" BSP

##### Cartridge/Valve Type:

Electro Valve



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 soapy water and a damp soft cloth. Do not use products containing chlorine bleach or hydrochloric acid as these can damage the product. Always rinse the product thoroughly after cleaning to remove cleaning products that can damage the shower.

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

METHVEN UK LIMITED  
METHVEN EXPERIENCE CENTRE  
3/3A STONE CROSS COURT  
YEW TREE WAY  
GOLBORNE  
WARRINGTON  
WA3 3JD  
UNITED KINGDOM

TEL: 0800 195 1602  
FAX: +44 (0) 1942 680 190  
E: sales@uk.methven.com  
[www.methven.com](http://www.methven.com)  
[www.deva.org](http://www.deva.org)

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**PLEASE RETAIN THIS DOCUMENT FOR FUTURE REFERENCE**

**IMPORTANT:** Please read all of the instructions before installation.  
Your product should be fitted in compliance with the Water Authority Regulations.  
If you are unsure as to what the regulations require, You can contact your Local Water Authority or the Insittute of Plumbers for further details.

**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 draw

**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 faucet 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 wasting, if more water 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 4xAA 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.

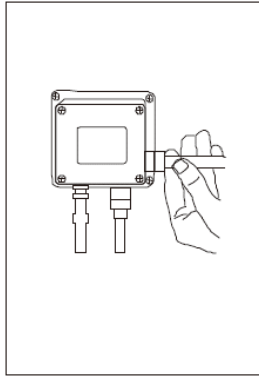
**TROUBLE SHOOTING**

Description	Possible Cause	Solution
No water and/or no light flashing on L/R sensor	No power supply and/or batteries are exhausted	Replace batteries
	No water supply to product	Check water supply
	Battery pack is faulty	Replace battery pack
	Connectors from mains/battery pack have been attached wrongly crossing the positive and negative terminals	Change the orientation of the power supply connector
Small amount of water	Inlet filter is blocked	Clear inlet filter
	Water pressure is too low	Raise water pressure
Water will not shut off	Sensor window is dirty	Clean sensor window
	I/R beam is being reflected. NB any degree of reflection / reflective surface including high visibility can cause the tap to operate.	Move the item reflecting the beam
	Product has been installed incorrectly causing the beam to reflect off the basin.	Refer to fitting instructions

Turn the screw clockwise to shorten the beam length.  
 Replace the sensor panel and ensure correctly located.

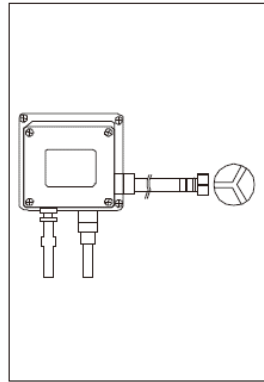
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**Step 8**

Connect transformer to control box and AC supply

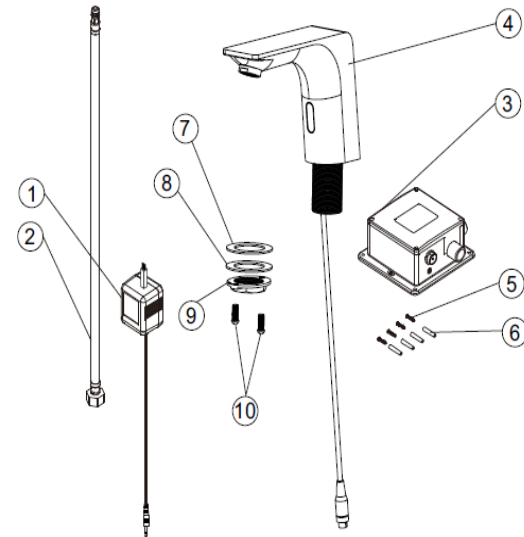


**Step 9**

Connect the double hose and turn on valve  
 Test the product function several times.  
 It is also advisable to cut the power to the product and test the battery backup unit to ensure the batteries are sufficiently charged.

**OPERATING SPECIFICATIONS**

<b>Item Number</b>	SENSOR7/D
<b>Description</b>	Automatic Faucet
<b>Power</b>	DC: 6V (4 AA alkaline battery) AC: 220V-240V: 50/60HZ
<b>Power Consumption</b>	≤0.3MW
<b>Sensing Distance</b>	30-32CM
<b>Water Pressure</b>	0.5-5.0 Bar
<b>Temperature</b>	0.1°C - 45°C
<b>Dia. of Inlet Pipe</b>	G (1/2")



Box Contents	
1 Transformer	6 Plastic Bulged Tube
2 Flexible Hose	7 Rubber Gasket

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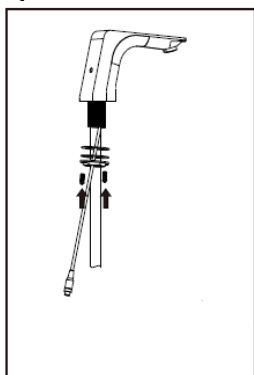
### INSTALLATION

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.

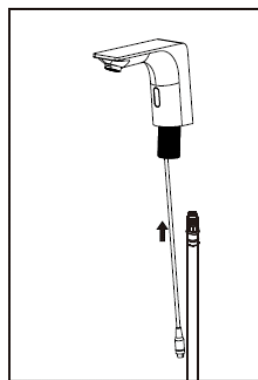
Before commencing installation of the new product, ensure that the system has been flushed to remove any debris, which may damage or affect the



#### Step 1

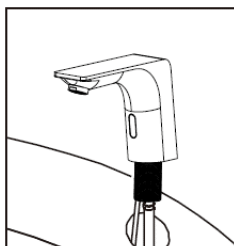
Unscrew the Hold-down Nut including the Bolts anti-clockwise, remove completely from connection thread.

Remove both the Rubber and Metallic Gasket completely from connection thread also.



#### Step 2

Screw in the M10 Flexible connecting hose to the tap body.

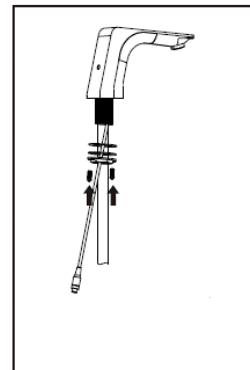


#### Step 3

Place tap complete with hose

<b>3</b> Control Box	<b>8</b> Metallic Gasket
<b>4</b> Body	<b>9</b> Hold-down Nut
<b>5</b> Screw	<b>10</b> Bolt

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#### Step 4

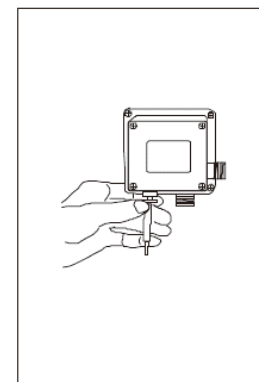
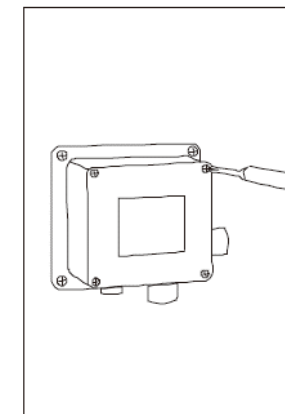
Place Rubber gasket, followed by Metallic gasket and finally the Hold-Down Nut onto connection thread.

Screw the Hold-down Nut clockwise, only use enough pressure to hold the product to prevent any damage to the product or mounting surface.

#### Step 5

Before fixing the control unit to the wall remove the 4 screws on the cover plate and install the backup batteries into the battery unit.

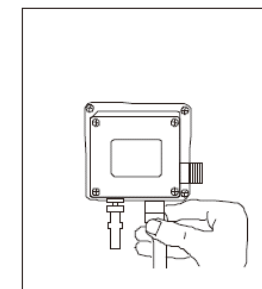
Once this is done replace the cover and fix the unit to the wall making sure the wires can reach from the product to the unit.

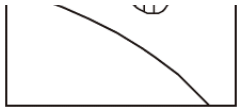


#### Step 7

#### Step 6

Insert mainframe connector from tap to mainframe connector socket, screw tightly.





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into the hole in the mounting surface.

Connect Flexible connecting hose from tap to control box



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