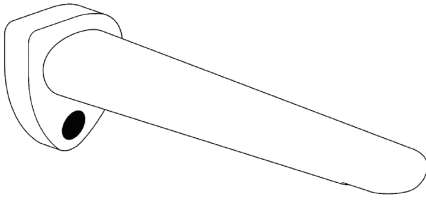


Performa

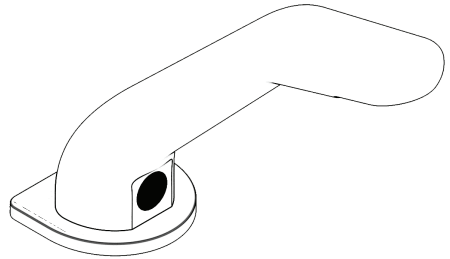
INSTALLATION | OPERATION | CARE

Optical Sensor Tap - Wall Mount



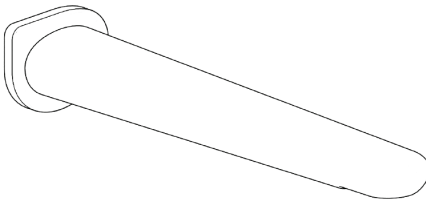
343054 - BATTERY
343055 - MAINS

Optical Sensor Tap - Deck Mount



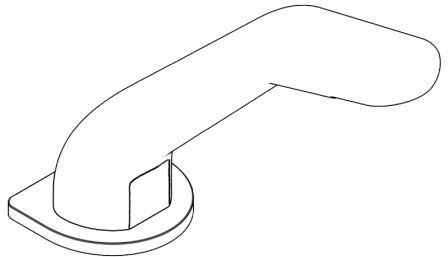
343052 - BATTERY
343053 - MAINS

Capacitive Sensor Tap - Wall Mount



343051 - BATTERY

Capacitive Sensor Tap - Deck Mount

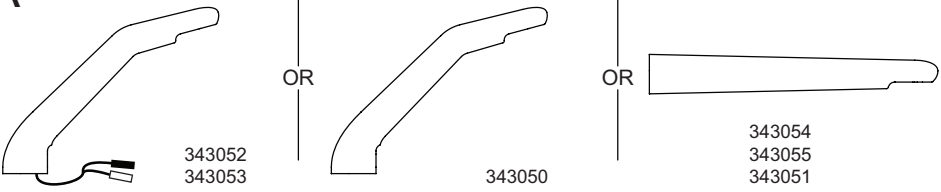


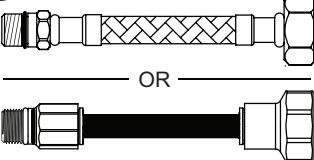
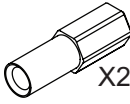

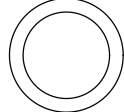



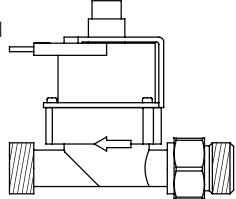
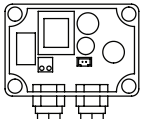
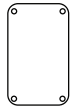
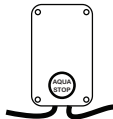
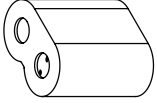


343050 - BATTERY

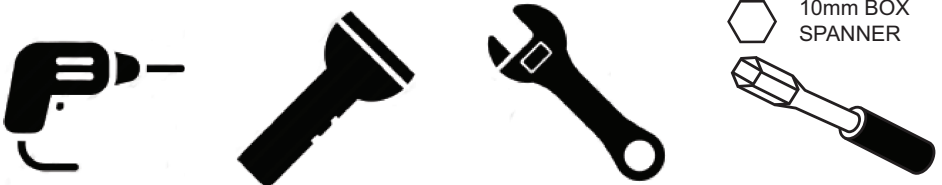
OBSERVE

ELECTRONIC SENSOR TAPS

WHAT YOU SHOULD HAVE IN YOUR PACKAGE

A TAP BODY  343052 343053 OR 343050 OR 343054 343055 343051					
B CLAMPING RODS  X2 ALL		C BACK PLATE  343050 343052 343053 OR 343051 OR 343054 343055			
D INLET HOSE  OR 343054 343055 343053 343051 343050		E CLAMPING NUTS  X2		F MOUNT BRACKET  ALL	G FIBRE WASHER 
H CONDUCTIVE RING 	I BRASS WASHER  X2	J SHORT NUT 	K SOLENOID VALVE WITH FILTER  ALL		
L MAINS POWER BOX  343053 343055		M BATTERY BOX  343054 343052	N BATTERY & CONTROL BOX  343050 343051	O BATTERY  ONLY FOR ITEMS M & N	

RECOMMENDED TOOLS



1. IMPORTANT

- Read this manual before installation
- Care must be taken during installation to prevent any risk of damage to the product or injury to installer
- Installation must be carried out by a qualified and competent person and in accordance with the instructions supplied
- Ensure water supply complies with the water regulations
- Installations must comply with all local and national regulations
- All electrical installations must comply with IET regulations and carried out by a suitable qualified installer

2. INTRODUCTION

Performa Electronic Sensor Taps are available with two types of Sensing Technology:

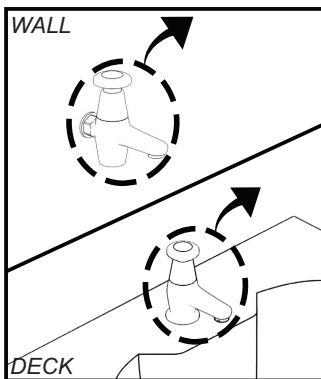
1. Optical Sensor taps use infrared light to detect a user's hands in the area beneath the spout. When a detection is made in the solenoid valve is operate for a pre-set period to provide water at the outlet.

2. Capacitive Sensor taps have a field around the whole tap body that can detect a user's hands. Interrupting this field triggers the solenoid valve and water is provided at the outlet.

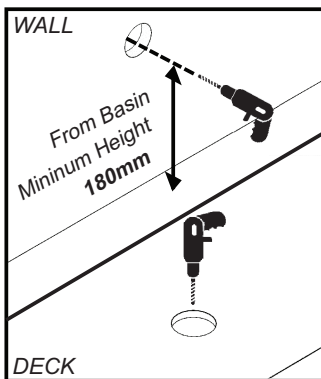
To reduce water consumption, both ranges are factory fitted with a 6L/min flow regulator and timer. Neither sensor taps require physical contact to operate.

3. PREPARATION

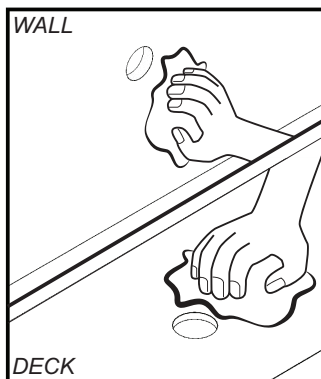
- Take extra care to ensure the electrical connections are correct, securely connected and where applicable the relevant seals and glands are used to protect the electronics.
- Make sure all electronic parts are fitted in a dry area behind the wall or beneath the sink basin.
- Do not solder near the solenoid valve, excessive heat will damage the valve and its connections.
- Route supply pipework to the point where the solenoid valve will be fitted, then flush pipework thoroughly before installing the solenoid valve.



1. Remove old tap



2. Drill hole



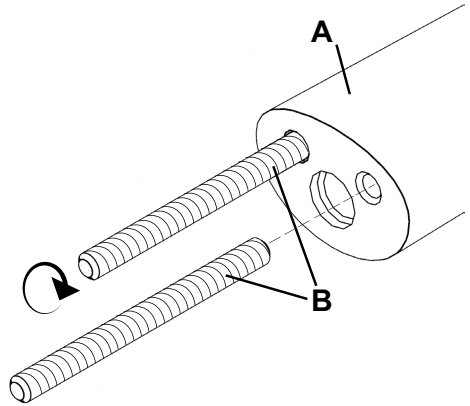
3. Thoroughly clean mounting area

DRILL HOLE Ø 30mm

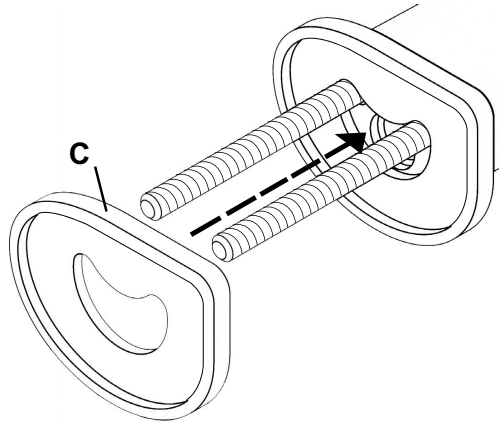
4. INSTALLING THE TAP

1. Screw clamping rods (B) into tap (A).

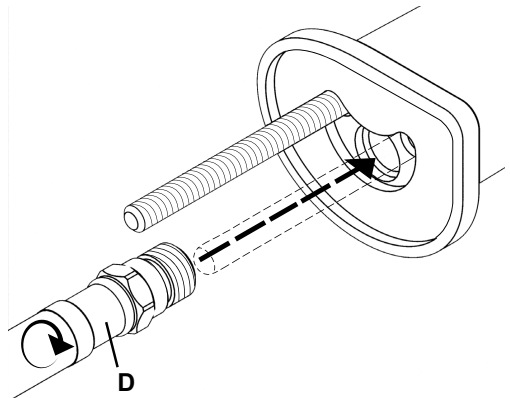
Make sure rods are fully secure and aligned.



2. Fit back plate (C) over rods.
Ensure Performa marking is facing towards the spout outlet.



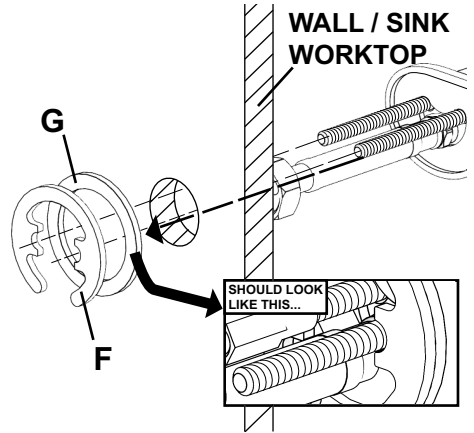
3. Screw the inlet hose (D) into remaining hole.
Screw in fully to seal. **Hand tight only to avoid hose twisting.**



4. Fit rods and inlet hose through the hole in the wall/worktop/sink.

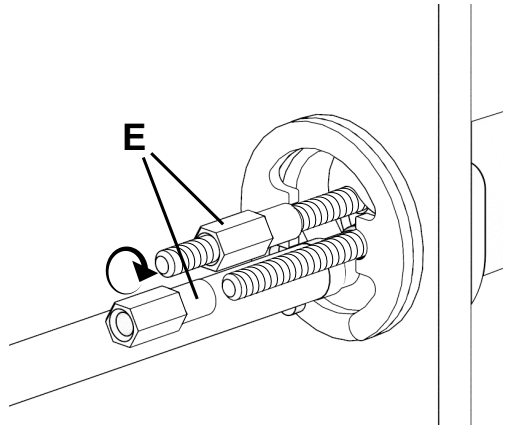
Slide the fibre washer (G) over the hose and rods.

Fit bracket (F), ensuring the notches align with the rods.



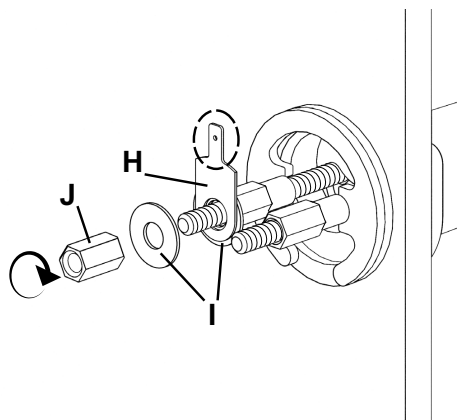
5. Use long clamping nuts (E) to clamp the bracket, fibre washer and tap together.

Tighten using either a box spanner or adjustable spanner. Ensure the tap is completely secure.

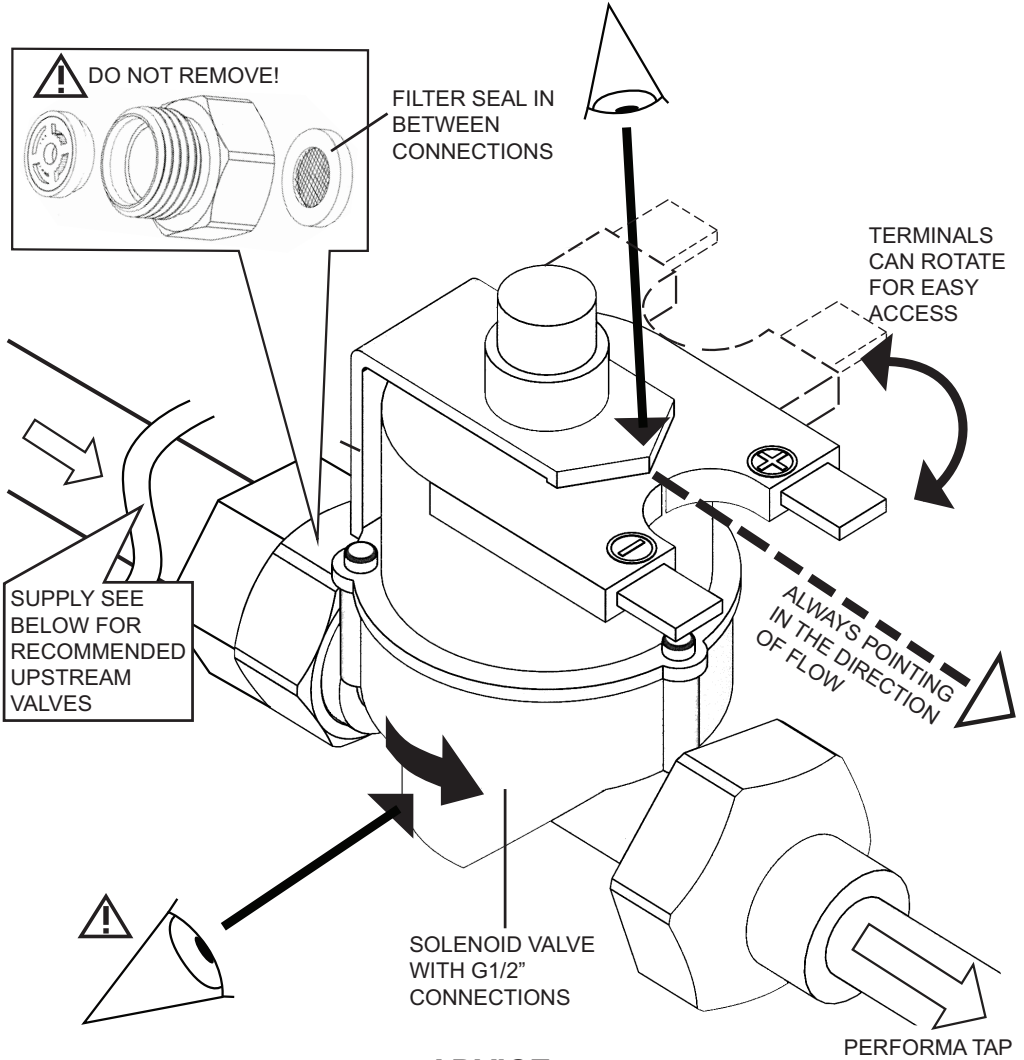


6. Capacitive sensor taps only.

Sandwich the conductive ring (H) with two brass washers (I). Secure it using the short nut (J). This can be mounted on either rod. Ensure the tab (circled) on ring (H) is accessible.



5. INSTALLING WATER CONNECTION

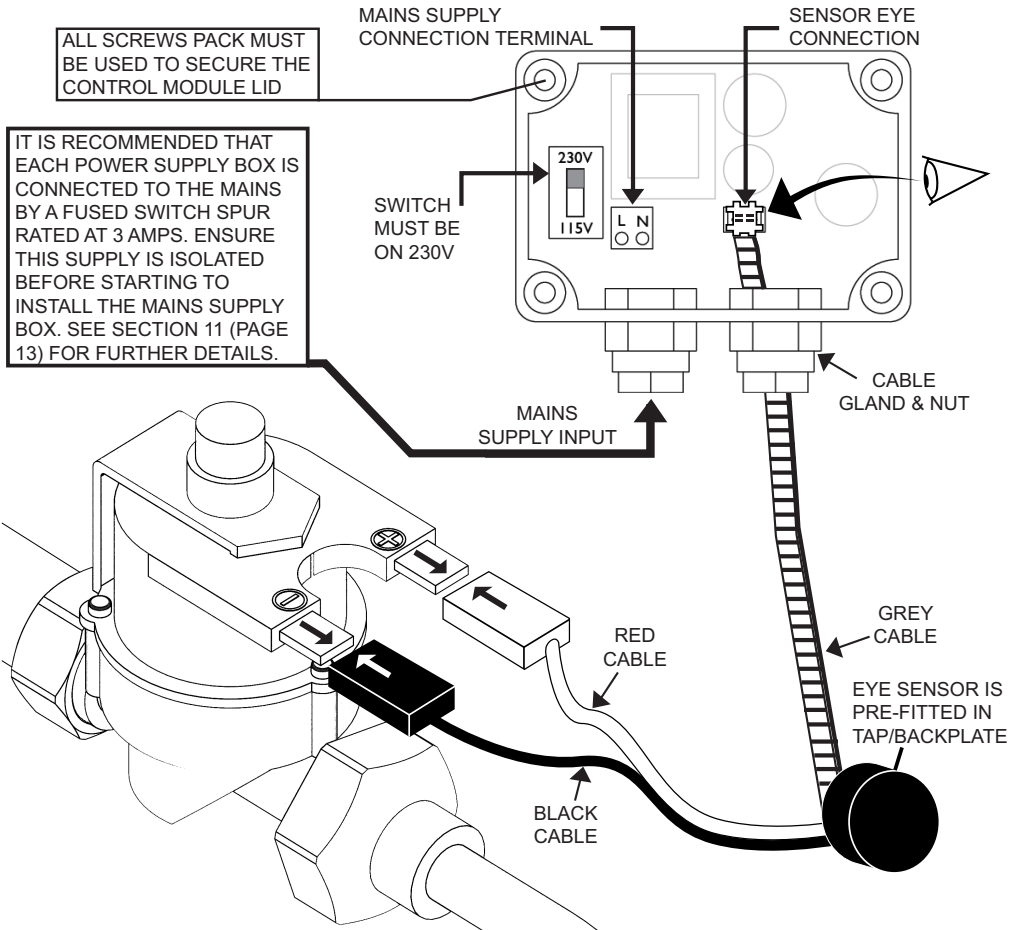


ADVICE

- All pipework **MUST BE** thoroughly flushed prior to installation to prevent blockage or permanent damage to the solenoid valve.
- A service valve should be fitted upstream of the solenoid valve to allow the tap to be isolated for maintenance.
- It is recommended that a Thermostatic mixing valve (TMV) is fitted [such as the Pegler PEG402 (5A1401)]. This will limit the maximum temperature of the water at the tap to safe washing temperatures, preventing scalds. 41°C is the maximum recommended safe washbasin temperature.
- If the supply pressure is greater than 5 bar, it is recommended that a pressure reducing valve is fitted to reduce it to 3 bar.

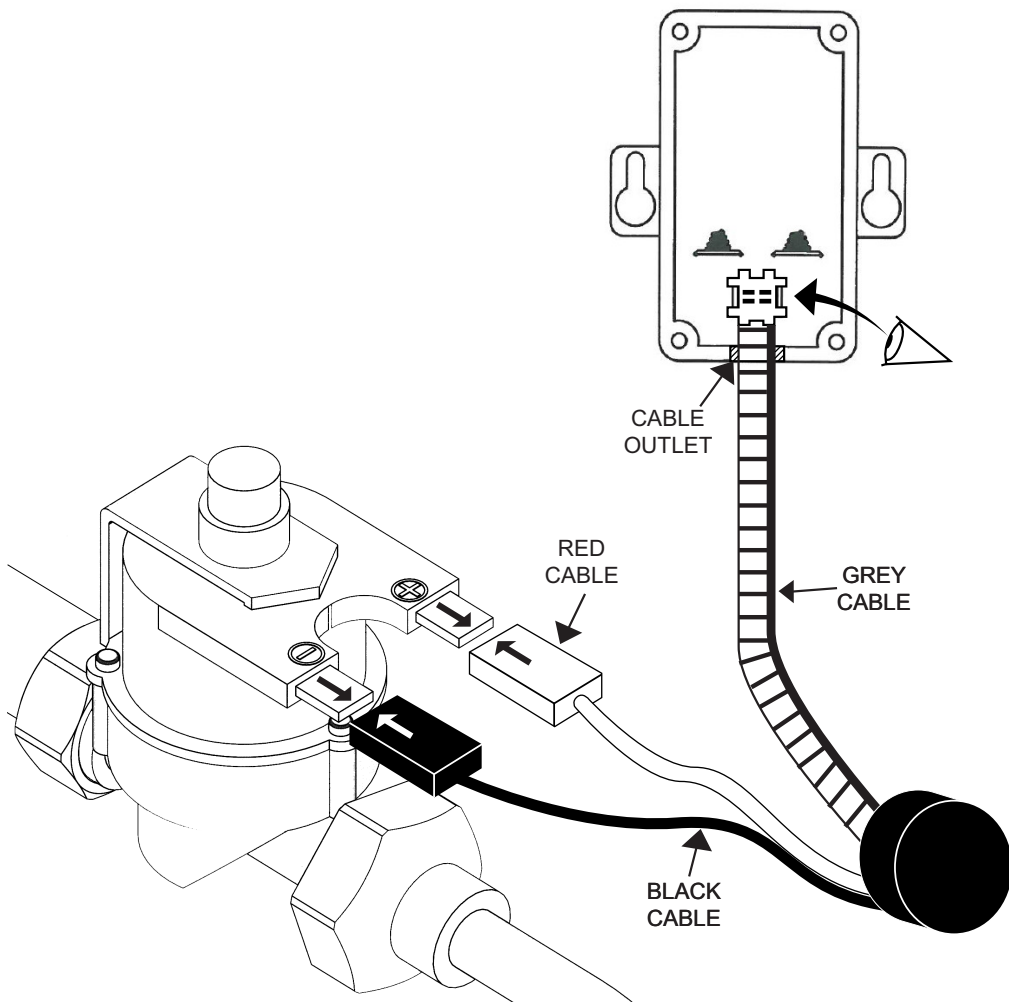
6. INSTALLING ELECTRICAL CONNECTION

6a. MAINS SUPPLY, OPTICAL SENSOR



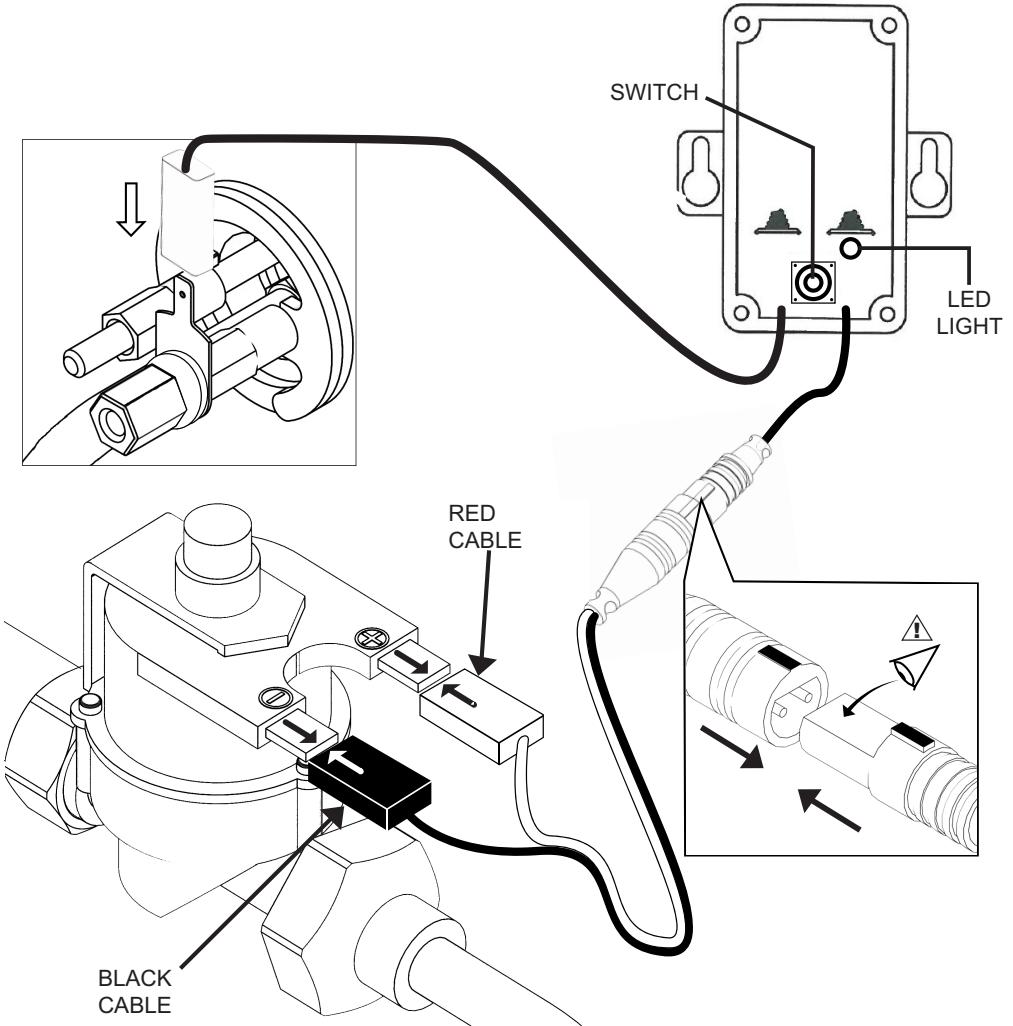
1. Site the mains power supply box close to the inlet to the tap and solenoid valve. Use the length of the sensor cables for guidance.
2. Remove glands and nut.
3. Secure the box to the wall. To avoid cables contacting water, mount the Mains Power supply box with its glands facing towards the floor.
4. Place gland nuts and glands on cables and pass cables through glands into the mains power supply box.
5. Wire the mains connector observing polarity. Note that the mains supply connection terminal (displays as "L N" in green slot) can be removed for easier wiring.
6. Connect the Eye sensor cables to the power supply unit and solenoid valve as shown above.
7. Tighten the stuffing glands and nuts and then secure the lid using the supplied screws to seal the mains supply box.

6b. BATTERY, OPTICAL SENSOR



1. Site the battery box close to the inlet to the tap and solenoid valve. Use the length of the sensor cables for guidance.
2. Secure the box to the wall or support. Where possible position the battery box away from water with the cable outlet facing towards the floor.
3. Remove the box lid from the control module.
4. Connect the sensor to the power supply unit and solenoid valve as shown above.

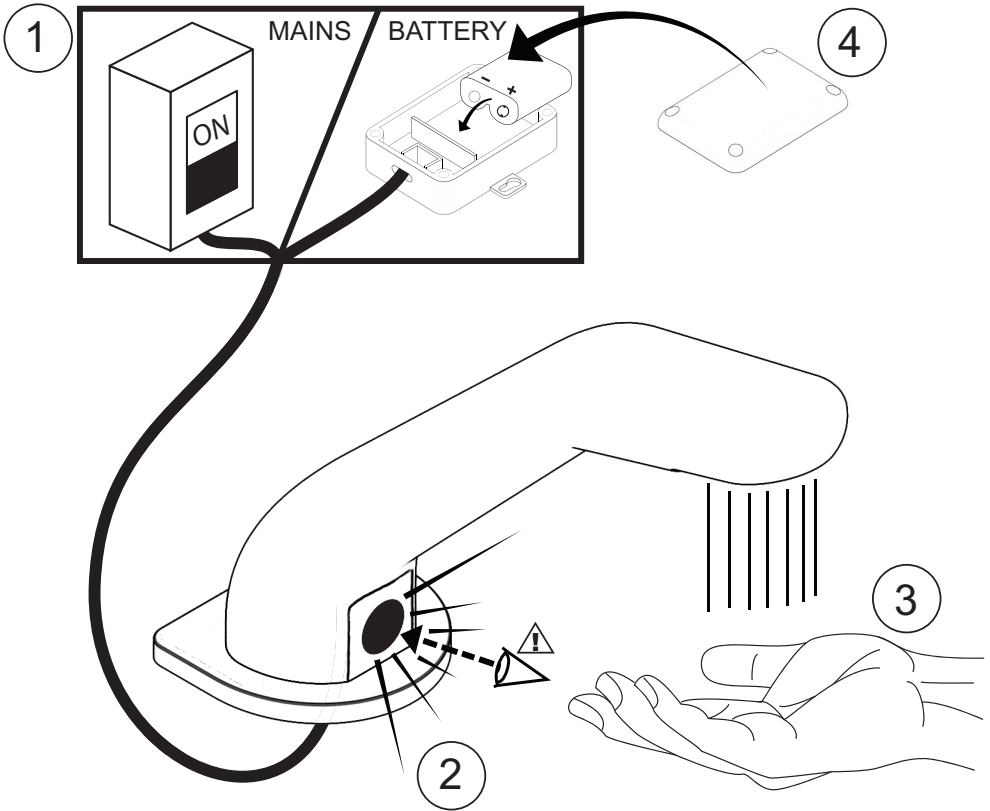
6c. BATTERY, CAPACITIVE SENSOR



1. Site the battery box close to the inlet to the tap and solenoid valve. Use the length of the sensor cables for guidance.
2. Secure the box to the wall or support. Where possible position the battery box away from water with the cable outlet facing towards the floor.
3. Remove the box lid from the battery box.
4. Connect the battery box and the solenoid valve as shown above.
5. Connect the remaining cable from battery box to the conducting ring (H) fitted on the tap.

7. OPERATING ELECTRONICS

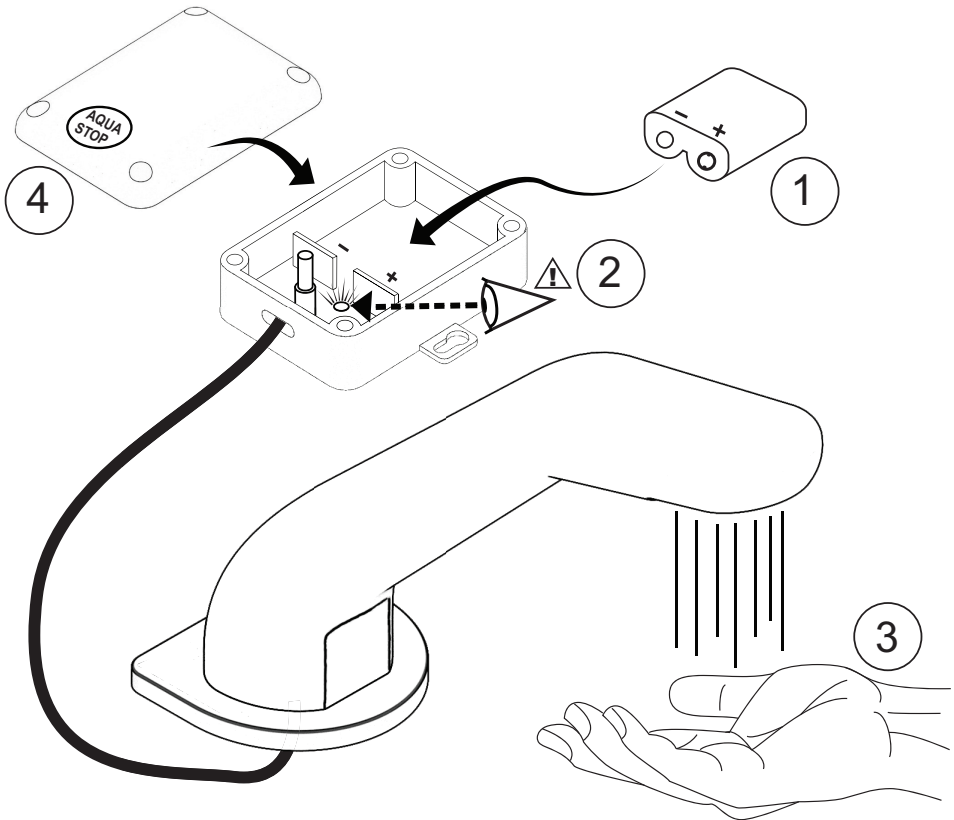
7a. OPTICAL SENSOR TAP



1. If using a mains supply box turn the power supply switch on. If you are using a battery box insert the supplied battery. After that switch the water on.
2. Immediately look at the black infrared sensor to see if it is flashing to indicate it is powering up, the flashes should stop after 5 seconds.
3. Place hand underneath the tap and ensure sensor will flash red for 5 seconds, sensor triggers and water flows out.
4. Refit the mains supply box lid or the battery box lid and ensure all cables are secure and watertight in their respective glands.

The sensor has been pre-configured to the optimum detection range. In the rare case that the sensor does not reliably detect the presence of a user, please contact technical support for guidance on how to adjust the sensor range.

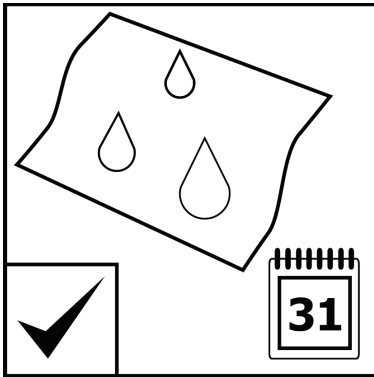
7b. CAPACITIVE SENSOR TAP



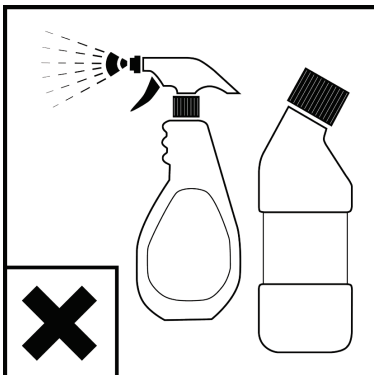
1. Fit the battery into the battery box, then switch the water on.
2. Immediately look at the black infrared sensor to see if it is flashing to indicate it is powering up, the flashes should stop after 5 seconds.
3. Place your hand underneath the tap and ensure the infrared sensor triggers and water flows out.
4. Refit the mains supply box lid or the battery box lid and ensure all cables are secure and watertight in their respective glands.

The sensor has been pre-configured to the optimum detection range. In the rare case that the sensor does not reliably detect the presence of a user, please contact technical support for guidance on how to adjust the sensor range.

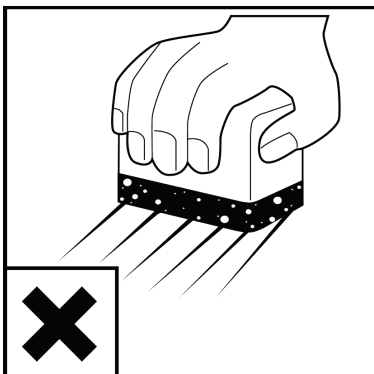
8. MAINTENANCE



- Use soft damp cloth to wipe
- Use soft dry cloth to dry the tap
- Use mild detergent to clean
- Occasional maintenance



- Never use concentrated or strong bleach when cleaning



- Never use abrasive household cleaners or scourers
- Avoid using sharp tools

9. IMPORTANT DETAILS

OPERATING PERFORMANCE

Maximum Static Pressure	6.0 Bar
Optimum Operating Pressure	2.0 - 2.5 Bar
Minimum Flow Pressure - Hot and Cold	0.2 Bar
Temperature Range	5°C - 60°C

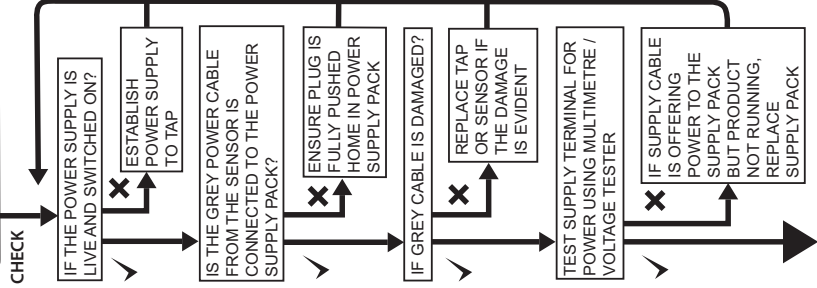
Customer Reference Data must be completed and be stored carefully for warranty purposes.

Customer Reference Data
<i>Date of Purchase</i>
<i>Supplier</i>
<i>Supplier Contact no.</i>
<i>Model Type</i>
<i>Installer</i>
<i>Installer Contact details</i>

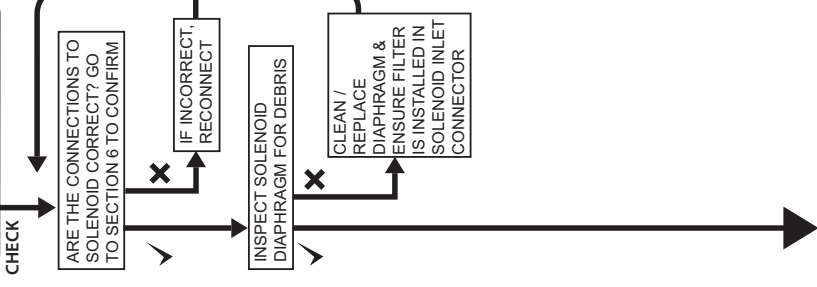
10. TROUBLESHOOTING

If the tap is not working please see the trouble shooting diagram on the next page for guidance.

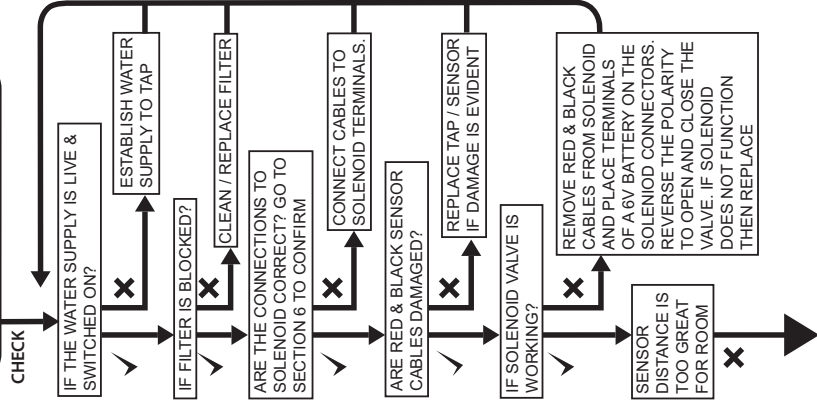
NO FLASHING WHEN SWITCHED ON



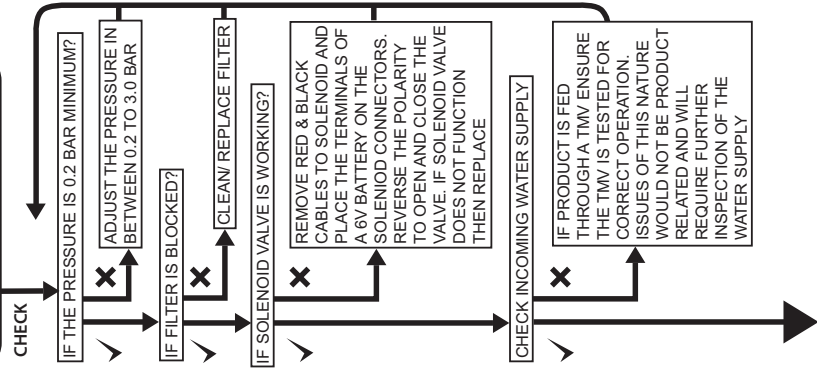
TAP KEEPS RUNNING/DIPPING



NO WATER FLOW FROM TAP



POOR FLOW RATE THROUGH TAP



CONTACT TECHNICAL SUPPORT

EMAIL: tech.help@peglyorkshire.co.uk

TELEPHONE: 0800 156 0500

FAX: 0800 156 1012

11. ELECTRICAL SPECIFICATION

Optical sensor tap

NOTE: For the mains supplied version a double pole switched fused spur fitted with a 3A fuse and with a minimum contact separation of 3mm MUST BE used to supply the device with 230V AC power. The point of connection to the mains should be readily accessible and adjacent to the device.

Sensor eye/controller	Solenoid valve	Battery Power Supply Control Module/ Transformer	Mains Power Supply Control Module/ Transformer
6V DC / 40 Operating temperatures: 0 to 40°C. Storage temperatures: -20°C to 60°C. The sensor has 2 cables leading out of the rear of the lug; these cables should never be extended (Unless the correct extension cables are used.)	6V Bi-stable latching Connection to control module is via 2 spade connectors	Box Dimension: 70 x 40.5 x 33.5 (mm) Material: ABS Battery 6V 1300mAh type CR-P2	Supply 115/230Vac 50/60Hz Output voltage 6Vdc/200mA Permanent, 800mA/20ms Box Dimension: 95 x 65 x 55 (mm)

Capacitive sensor tap

Solenoid valve	Built in controller module and battery supply
6V Bi-stable latching Connection to control module is via 2 spade connectors	Box Dimension: 70 x 40.5 x 33.5 (mm) Material: ABS Battery 6V 1300mAh type CR-P2 6V DC / 40 Operating temperatures: 0 to 40°C. Storage temperature: -20°C to 60°C. The sensor has 2 cables leading out of the rear of the lug; these cables should never be extended (Unless the correct extension cables are used.)

All Performa electronic taps conform to relevant parts of the following directives:

- EMC Directive 2014/35/EU
- Low Voltage Directive (LVD) 2014/30/EU

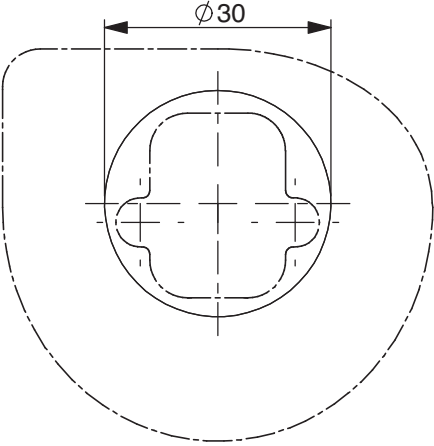
NOTE: All electrical installations must comply with current IET and ROHS/WEEE regulations.



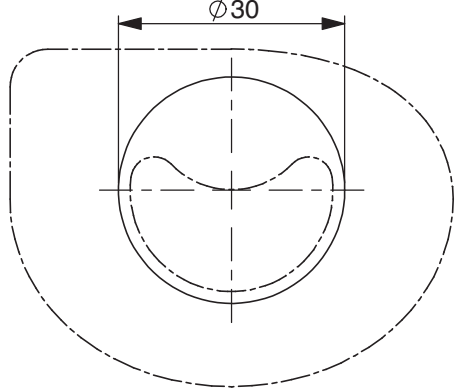
12. TEMPLATE

Drilling 30mm hole for
Backplates only

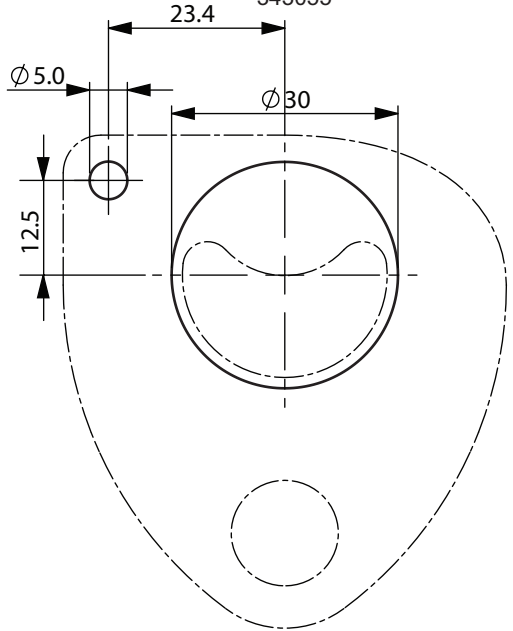
Deck mount
343052
343053
343050



Wall mount
343051



Wall mount
343054
343055



TECHNICAL SUPPORT

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tech.help@pegleryorkshire.co.uk

TELEPHONE

0800 156 0500

FAX

0800 156 1012



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