SMART COMMAND ELECTRONIC BASIN TAP

hands free hygiene
clean hands, safe hands

WATER EFFICIENT - CONNECTED TAPWARE ENABLED BY AWARE™

PLUMBERS INSTALLATION INSTRUCTIONS - OUTLET

Important Information

* **Not suitable for gravity feed systems.**
* **The basin outlet is fitted with a flow regulated aerator insert. This low flow rate may not be suitable for connection to some Instantaneous Gas Water Heaters, some Tempering Valves, some Solar Water Heaters & some Thermostatic Mixing Valves.**
  Check with the manufacturers of these products.
* **All pipework must be thoroughly flushed prior to installation, as foreign materials may block the flow regulating device and reduce the flow of water. Note: Aerator insert must be retightened to prevent removal by hand.**
* **Refer to side 2 of this instruction for control box mounting and connection details.**

Installation

1) From fixing pack fit 'O'ring (2) into groove of outlet base (1).
2) *Flexible Tail Connection*: Apply suitable lubricant to 'O'ring (9). Fit flexible tail (6) into threaded hole in base of outlet (1). Hand tighten the flexible tail, ensuring the 'O'ring (9) has fully entered the sealing bore to provide a watertight joint.
3) Insert the control box connection end (7) of the flexible tail (6) and the sensor cable (8) through the hole in the deck. Place outlet into deck hole, slide rubber washer (12) and metal washer (3) over threaded tail of outlet as shown in Fig. 1. Screw clamp ring (4) onto threaded tail until it contacts washer (3) then tighten screws (5) equally until outlet is clamped firmly to the deck. DO NOT OVERTIGHTEN.

Important: Flexible tail must not be kinked, twisted or in tension when installed. (Minimum Bend Radius:- 50mm) Do not install flexible tail where subject to ultra violet light.

Removing Aerator Insert

1) Carefully remove aerator (10) from outlet (1), using the supplied spanner (11).
2) Check that aerator is clean. Deposits of lime can be removed by washing in a vinegar solution.
3) Assemble aerator insert (10) into thread of outlet (1) and tighten securely (to prevent removal by hand).

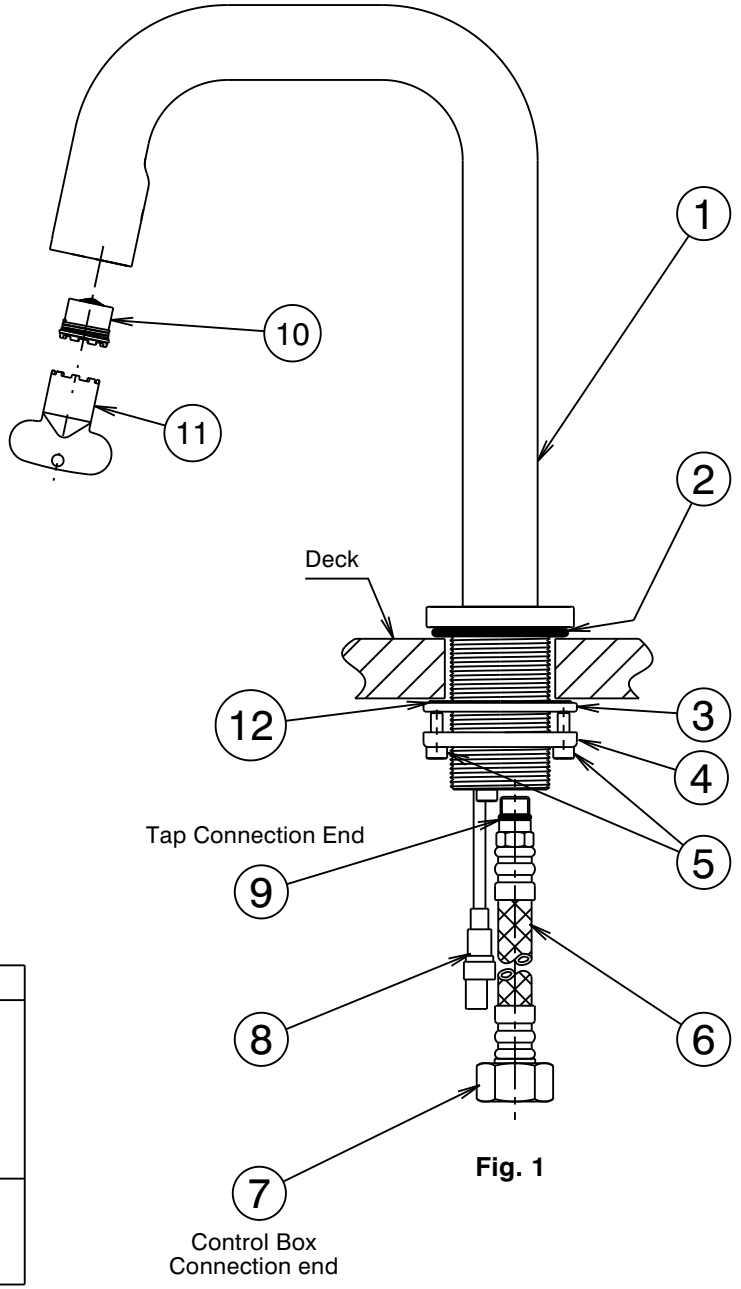

Fig. 1

IMPORTANT

Pressure & Temperature Requirements.

- Static Inlet pressure range : 150 -700 kPa
  New Regulation:- 500 kPa maximum static pressure at any outlet within a building. (Ref. AS/NZS 3500.1)
- Maximum hot water temperature : 80℃.

Deck Requirements

- Deck thickness : 40mm maximum
- Tap body hole (in deck) : Φ34-36mm

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IMPORTANT

- It is the installers responsibility to ensure the installation complies with AS/NZS3500.1, AS/NZS3500.2, AS/NZS3500.4.1, AS/NZS3500.4.2 and local water authority regulations.
- Refer to side 1 of this instruction for tap outlet installation.

PLUMBERS INSTALLATION INSTRUCTIONS - CONTROL BOX

Control Box Mounting Instructions:

1) **Remove control box cover:** Using a phillips head screwdriver, remove cover retaining screw. Apply a light force to the small button underneath and gently lift off cover (Fig.3). With the cover removed you can see a hexagonal brass nut. Remove this nut and replace it with enclosed solenoid.

2) **Determine location & fasten control box to wall:** Control box should be located within 300mm from the base of the basin mounted outlet. Attached control box to wall using 4 supplied wall plugs & screws (Fig.4).

3) Connect power supply to a 240VAC, 10A GPO.
Ensure that supply of power has been isolated.

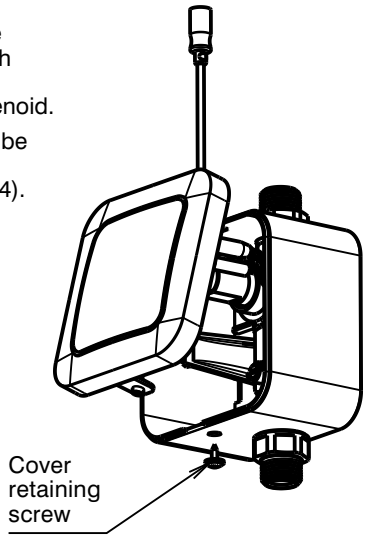
The power outlet should be located no more than 300mm from the control box when using the standard cable.
If a longer seperation is required, please use optional extension cable (98454) to extend the distance up to a maximum of 2.2 meters.

4) **Connect cables to controller:** Remove split strain relief from box & connect Power Supply cable to Control Module as shown in Fig. 2. Then connect Control Module to Tap Sensor Cable and Tap Sensor Cable to Solenoid.
Open the relief and pass Power Supply cable and Tap Sensor Cable through. Wind up any excess Power Supply cable and store inside the control box.
Re-insert the strain relief and ensure that power, sensor, solenoid and module cables are connected and secured (Fig.2).

5) Flush the inlet and outlet lines before connecting to the Control Box. Then connect inlet and outlet lines.

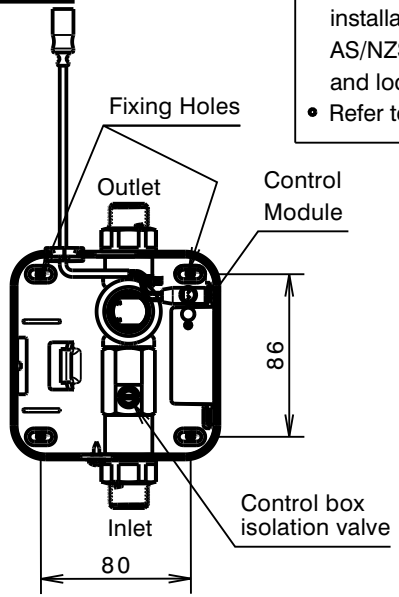
6) **Commisioning Procedure:**
   a) Turn on mains water supply & check for leaks at both ends of the mains supply hose.
   b) Open the control box isolation valve and check for leaks at the remaining connections.
   c) Re-attach cover and fasten with retaining screw.
   d) Power on the device at the GPO and allow the unit to complete the calibration sequence as follows:
      1) The indicator LED starts blinking.
      2) The indicator LED will turn off for 2 to 3 seconds performing calibration then a small amount of water will discharge.
      3) The unit is now ready to operate.
   e) Test operation by placing hands under the sensor (within 100mm from outlet of spout). Water should flow within 0.5 seconds. Remove hand and the water supply should stop within 2 seconds.

IMPORTANT: Please refer to AWARE Operation Manual (IS 1683) to configure wireless communication and change the device default settings.



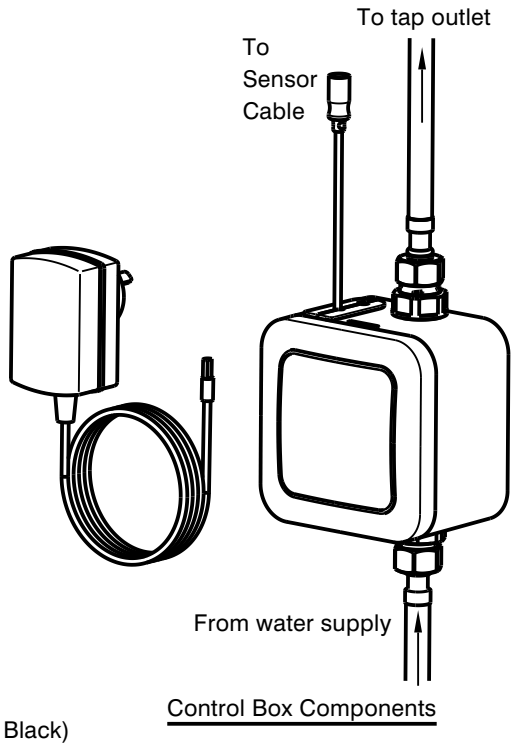
Step 1: Remove Cover & Install Solenoid

Fig. 3



Step 2: Mounting Holes

Fig. 4



Control Box Components

Fig. 5

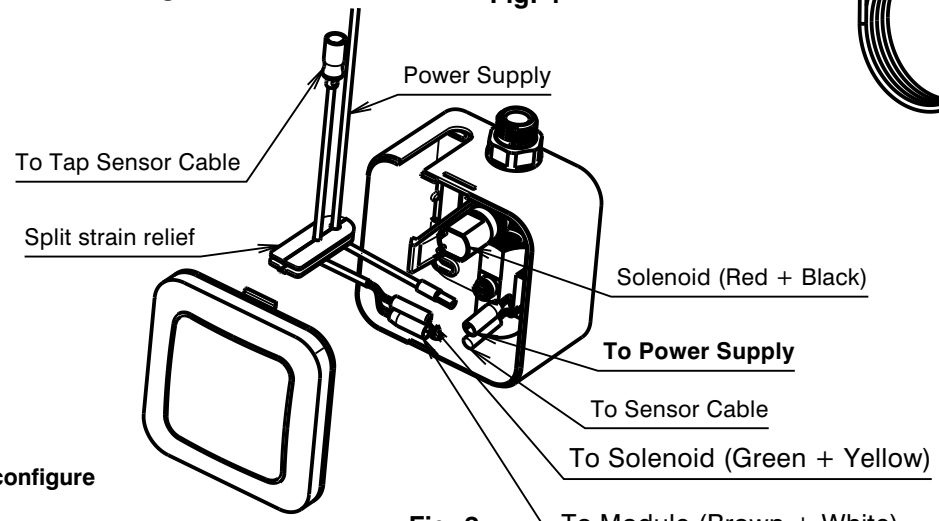


Fig. 2