SMART COMMAND

by CAROMA

WALL OUTLET ROUGHING KIT

INSTALLATION INSTRUCTIONS - INWALL BODY

Important Information

* **All pipework must be thoroughly flushed prior to installation.**
* **In-wall body kit & Trim kits are supplied in separate boxes. For Trim kit installation, follow the instructions supplied with the suitable Trim kit.**
* **This roughing kit is compatible with Caroma Modular frames code MOD002, MOD005 & MOD066. For installations on these frames, M4 socket head screws (6a) & split lock washers (6b) provided must be used and timber screws (2) supplied with the roughing kit must be discarded.**

Installation

Before installing the roughing kit, ensure that the basin/wash plane will not interfere with the tap sensor. The basin/wash plane surface must clear the clearance area shown in **Fig.4**

1) **For installation on Timber noggin :**
Position the box on the timber noggin, check the level using the integrated level indicator (3) and trace the 3 mounting holes on the timber noggin.
Fit the mounting box (1) to timber noggins as shown (Fig.2) using the 3 phillips head screws (2). Check the level again to ensure that the box (1) is mounted horizontally.
Screw the retaining nut (5) on to the elbow by hand.
For installation on Caroma CAMFIS modular frames :
Align the 3 holes on the box with the M4 wall tap mounting holes provided on the Modular frame bracket and fix using the M4 socket screws (6a) & split lock washers (6b) supplied and tighten using the 3mm allen key, Loosely screw the retaining nut (5) on to the elbow by hand if not pressure testing straightaway.

2) ***Pressure test:*** Unscrew the retaining nut (5) by hand then remove the test plug (4), flush the system to remove air & foreign material. Remove pressure from the system. After ensuring 'O'ring is fitted on to the pressure test plug (4), fit the pressure test plug (4) back on to the body and tighten retaining nut (5) by hand, then do pressure test in accordance with the requirements of AS/NZS 3500.1. After the pressure test, release pressure in the lines by partially unscrewing retaining nut (5), the short end of the allen key can be used to unscrew the retaining nut (5) if required.

3) Determine the location of the control box (sheet 2), remove plug (7) and fit conduits between control box and conduit access of mounting box (1) as shown in Fig. 2 & Fig. 7.

4) Pass the male end (8) of the extension cable (9) through cable insert inside box (1) into the conduits until the male end (8) is through the conduits shown in Fig. 2. By using wire tie (11) tie one end to pressure plug in the centre, and other end to female end (10), as shown in Fig. 1 & 2.

5) After the wall/tile face has been completed, cut excess mounting box (1) with sharp knife so that it flushes with wall/tile face. (Fig.3)
Important : Extreme care must be taken while cutting the mounting box (1) so the cable (11) does not get damaged.

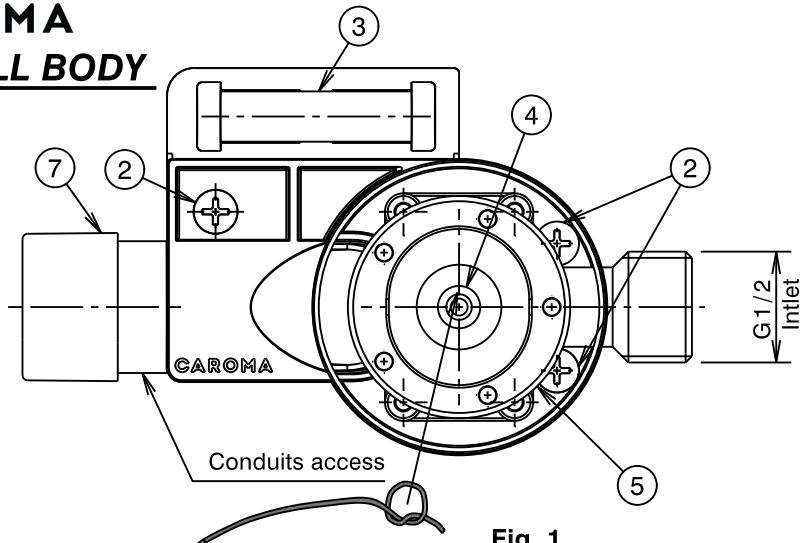


Fig. 1

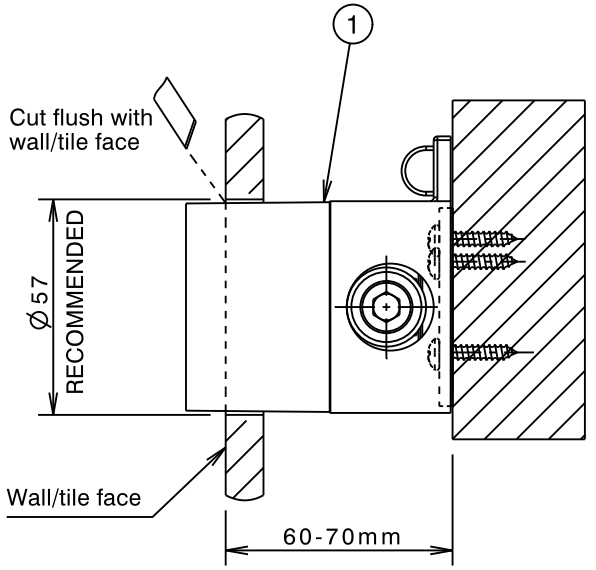


Fig. 3

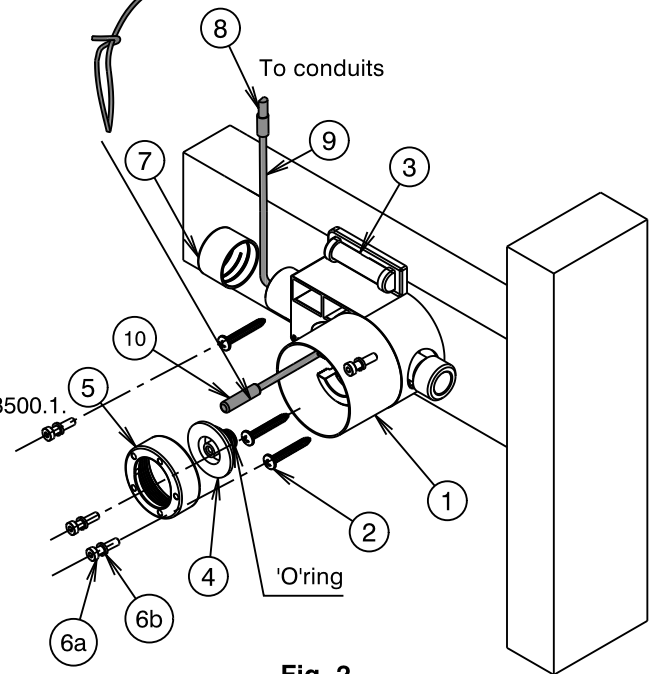


Fig. 2

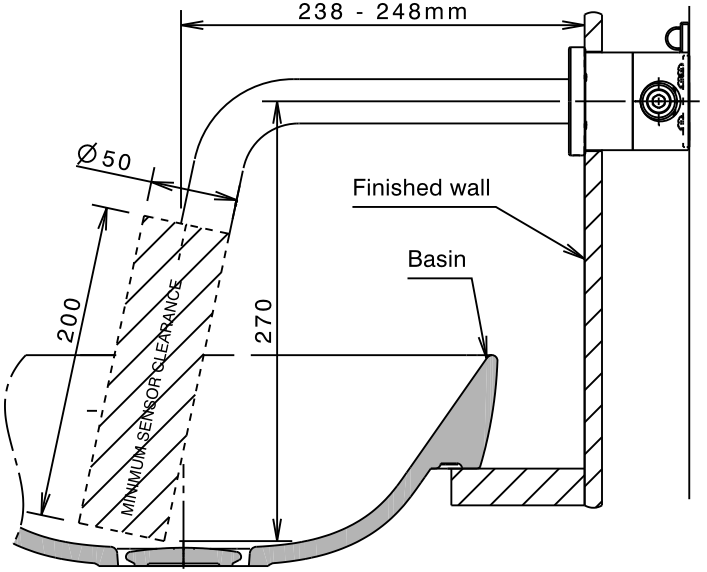


Fig. 4

SMART COMMAND by CAROMA

ELECTRONIC WALL MOUNTED ROUGHING KIT

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.4). 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 wall outlet. Attach control box to wall using 4 supplied wall plugs & screws (Fig.5).

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. 6. 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.6).

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

6) **Commissioning 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.

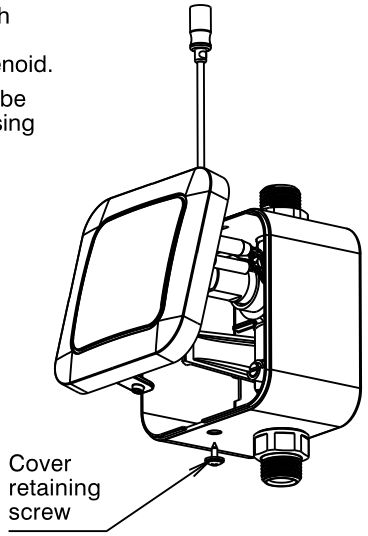
IMPORTANT:
Please refer to Operation Manual (IS 1683) to configure wireless communication and change the device default settings.
The valve requires connection to electrical power, if there is a power failure the valve will close and it will not operate until power is restored.

IMPORTANT

- This product complies with the Lead Free requirements of the National Construction Code Volume Three.
- 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.
- 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)
- Refer to side 1 of this instruction for wall outlet installation.

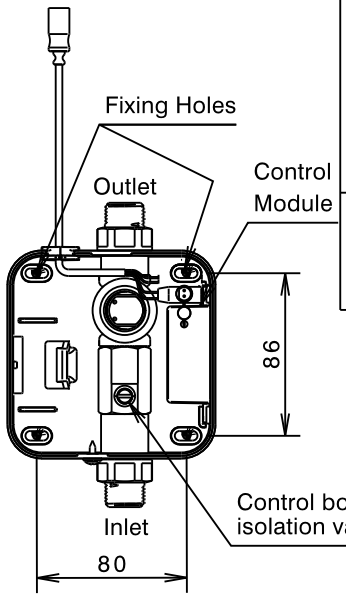
Installation Requirements.

- The installing plumber is responsible for waterproofing all penetrations for Taps in Shower areas at installation by a proprietary flange system or a sealant.(Ref AS3740)



Step 1: Remove Cover & Install Solenoid

Fig. 4



Step 2: Mounting Holes

Fig. 5

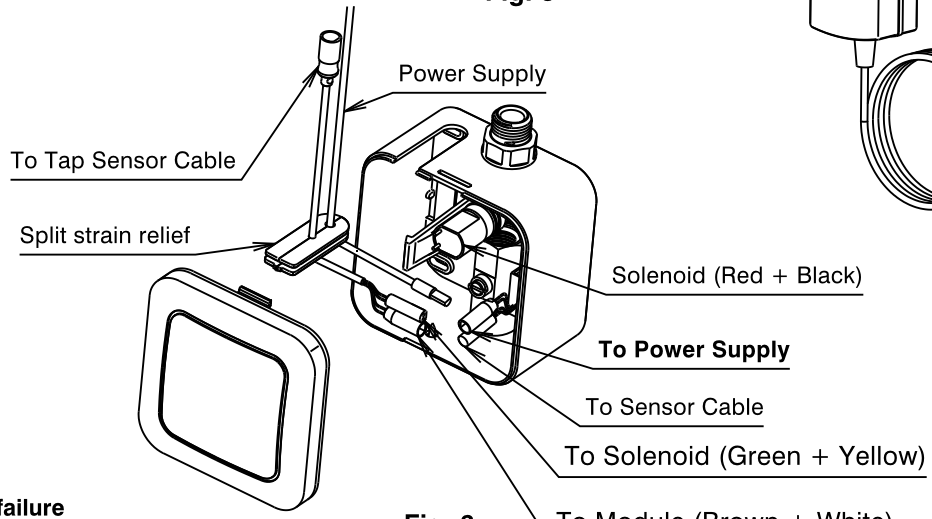
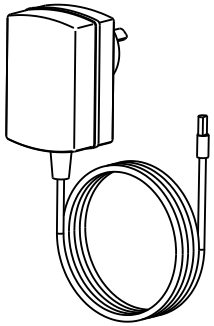
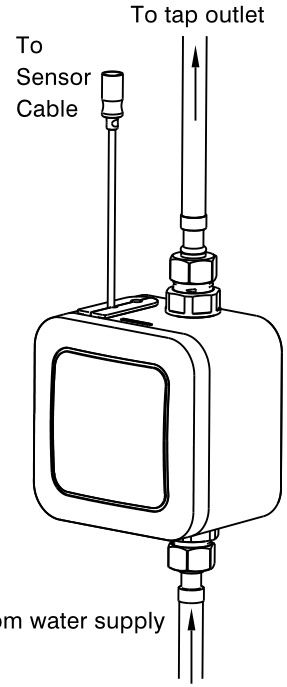


Fig. 6





Control Box Components

Fig. 7