



hands free hygiene
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Hands Free Hygiene

Ph: 1800 039 764

sales@handsfreehygiene.com.au

handsfreehygiene.com.au



FlushSaver
Smart Toilet Systems

***FLUSHSAVER INSTALLATION INSTRUCTIONS
PROGRAMMABLE TOUCHPAD TAPS & SHOWERS:***

The standard unit for “Taps & Showers” comprises one 24 volt AC Adapter (1A), one Touch Plate Controller, one 24 volt 10mm Solenoid Valve and one 2m length of Figure Eight cable. An in wall plate and a plastic box to protect the electronics is also supplied. This plastic box should be silicones to the back of the touch plate once all the settings have been checked and are correct. Also silicone where the wiring enters the plastic box.

• **PLACEMENT OF THE TOUCH PLATE CONTROL UNIT:**

The Touch Plate incorporates the System Controller and can be placed in any convenient location. There are two adjustment Rotary Switches on the Control Module that allows you to adjust the length of time and lockout of the Solenoid Valve stays open for. Refer to table below for settings:

• **TIMING AND LOCKOUT ADJUSTMENT TABLE:**

Option	Timing Adjust	Lockout Adjust
0	5 seconds	Zero
1	7.5 seconds	10 seconds
2	10 seconds	30 seconds
3	30 seconds	1 minute
4	1 minute	2 minutes
5	2 minutes	5 minutes
6	3 minutes	30 minutes
7	5 minutes	3 Hours
8	6 minutes	8 Hours
9	10 minutes	10 Hours

The connections to the Touch Plate Controller are as follows:

Power supply to “AC IN” screw connector.

Solenoid Valve to “Valve” screw connector.

NOTE:

- As the input and output point are both A.C. the connectors are not polarity conscious.
- **Ensure that adequate Silicon is used to ensure water does not run down the back of the stainless steel backing plate when cleaning is being carried out.**

- **POWER SUPPLY:**

A standard mains power point is required for each Control Module. The AC Adapter is connected to the Control Module at the positions marked "ACIN" on the unit. Do not turn the power on until the installation procedures have been completed.

- **WIRING:**

The wiring used to and from the control unit is standard "figure 8" cable and is widely available from electrical wholesalers and retailers.

All wiring should be in conduit.

DO NOT USE DRILLS TO TIGHTEN THE SCREWS WHEN CONNECTING THE WIRES OR PLATES TO THE BRACKETS

- **EARTHING:**

An Earthing Stud is provided adjacent to the Valve and AC IN connectors for grounding the metal parts of the "Touch Plate"

The Solenoid Valve MUST also be earthed via the earth pin on the Valve.

Consult your electrician as to the best way to earth the Valve & Plate

- **SOLENOID VALVE:**

The Solenoid Valve should be fitted to the water line as close to the spout as possible – but concealed to prevent vandalism. Stop-cock or isolation valves should be installed for each unit to allow for removal of each unit should it be required

It is recommended that flow controls be inserted into the spouts – 6 litres per min for Taps and 9 or 12 litres per min for showers

Solenoid Valves must be fitted with disconnection unions on both sides of the Valve for maintenance purposes.

Torx Slot/Drive heads are used to open the Valves to clean – Available from Blackwoods

- **IN-LINE FILTER:**

An in-line filter/Y Strainer 200-300 micron MUST be placed after the stopcock to prevent water contaminants from entering the Solenoid Valve and unseating the valves diaphragm.

OR WE RECOMMEND - <http://puretec.com.au/phone/hybrid-g-water-filter-system.html>

Filter of 100-200 Micron

- **SET PRESSURE VALVE:**

A Set Pressure Valve may be required if the water pressure is high.

PLEASE NOTE:

Ensure that the water line is flushed of any rubbish before the Solenoid Valves are connected to ensure that nothing gets caught under the seat of the Solenoid Valves to stop them closing correctly. Should they fail to close correctly the Valves should be checked and cleaned.

A backing box is supplied to be either silicone in place (Touch Pads) or for the plate to be screwed into it (Sensors) & then silicone around the plates to make these a sealed unit. This is done once the wires have been inserted through the appropriate spaces and the timing & lockouts adjusted as required.

FAILURE TO COMPLY WITH THESE INSTALLATION INSTRUCTION VOIDS THE WARRANTY

Should you require help during or after installation please phone 0408677978