

REPLACING THE EASIFOAMER REMOTE PRESSURE SWITCH KIT

1. Isolate unit completely from the Mains power supply.
2. Turn OFF the Air Supply to the EasiFoamer™ system.
3. Depressurise the system completely by operating one of the foaming applicators.

SITING THE REMOTE PRESSURE SWITCH BOX

1. **The Pressure Switch** (connected to the EasiFoamer™ Pump box by 10 metres of cable) should be screwed to a flat vertical surface (e.g. Wall) - PREFERABLY IN, or close to, THE MILKING PARLOUR - but as close as possible to the highest point of the distribution tubing, as described in the EasiFoamer™ Operating Procedure (EF7500). Make sure that the replacement pressure switch box has been correctly sited if the set up instructions have not been followed.
2. The cable must be temporarily disconnected from the PCB inside the large enclosure. When reconnecting the cable ensure that all 3 wires are correctly connected: The pressure switch is marked as **PS** on the PCB (circled in **Figure 1**).

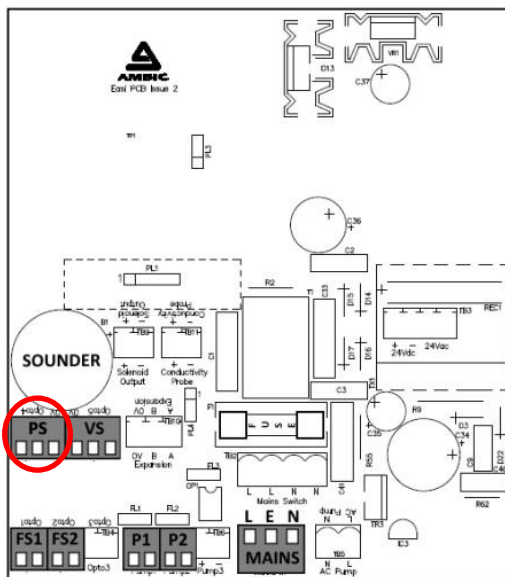


Figure 1



Figure 2

3. Place the **Brown** wire and the **Blue** wire as shown in **Figure 2**. The **Green/Yellow** wire is the **EARTH** and is marked as 0V on the PCB.
4. Use the cable clips supplied to secure the cable.

PRIMING & SETTING THE SYSTEM

1. WITH ALL TUBING & ELECTRICAL CONNECTIONS SECURELY MADE, reconnect the EasiFoamer™ Pump to the electricity supply and switch On. Pump should start and probably stop/start intermittently as there will be some air in the system.
2. Leave the pump unit switched On and carefully remove the plug from the T-piece fitted to the Remote Pressure Switch box. Replace the plug as soon as liquid flows constantly from the open T-piece. Once the blanking plug is refitted the system is primed and the pump should cease to run; the pump will restart as and when the system pressure drops.
3. Switch on the Air Supply to the EasiFoamer™ system. The pump should now only start up when a foaming applicator trigger is depressed and stop shortly after the trigger is released. If either the pump starts intermittently, and/or foam quality is poor, then adjust the Pressure Switch and/or Air Pressure as appropriate.

NOTE: if there is a significant quantity of air in the liquid distribution tubing system then operation of the pump may be intermittent and less responsive to operation of the foaming applicators. It is therefore important that all air is removed from the distribution line starting with the Remote Pressure Switch box, then the first drop point, moving along the line further from the pump.

4. If foam quality is poor, or pump operation unreliable, then it may be necessary to increase the pressure switch cut-out pressure – refer to page 2 for details on adjusting liquid pressure.

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ADJUSTING LIQUID PRESSURE

The **Pressure Switch** allows the liquid pressure level to be adjusted in the range 2-5 psi (0.2-0.3 Bar) by means of a setscrew on the switch. This is set at the point of manufacture, but can be adjusted if required:

1. Turn off the mains power at the switch and disconnect the unit from the Mains Power supply.
2. Unscrew the 4 screws and lift the lid of the small enclosure to allow access to the inside of the enclosure; the pressure switch is arrowed in the photograph opposite.
3. Use a 5/64" (2mm) Hexagon Key to turn the recessed screw on the switch at the opposite end to the electrical connections (see photo below).
4. When viewed from above, turning the screw **CLOCKWISE** will **INCREASE PRESSURE**; **ANTICLOCKWISE** will **DECREASE** liquid Pressure.
(see **Figure 5**).

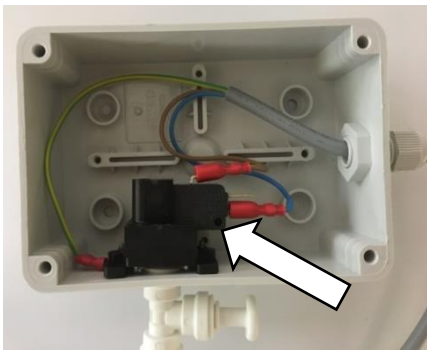


Figure 3

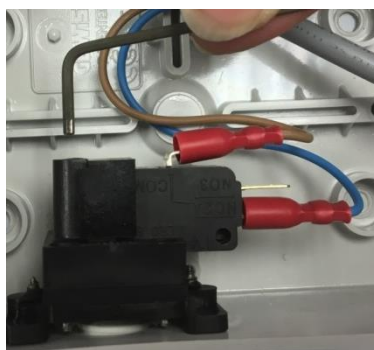


Figure 4

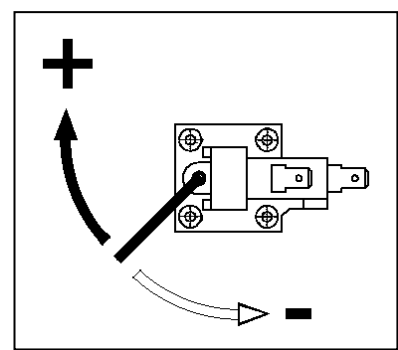


Figure 5

5. Each full turn of the adjusting screw increases/decreases the pressure by ~1 psi (~0.1 Bar).

It is recommended that **NO MORE THAN 3 TURNS** of the adjusting screw be made in either direction. **IF THE SCREW BECOMES LOOSE TO TURN, DO NOT TURN** any further as you risk causing permanent damage to the switch.

6. Remove the Hexagon Key and close the lid before re-connecting the unit to Mains Power to check if further adjustments are necessary.