Whale®

SWITCH CONNECT

SDS081T (755.210)

Switch Connect Transformer

QUICK CONNECT GUIDE

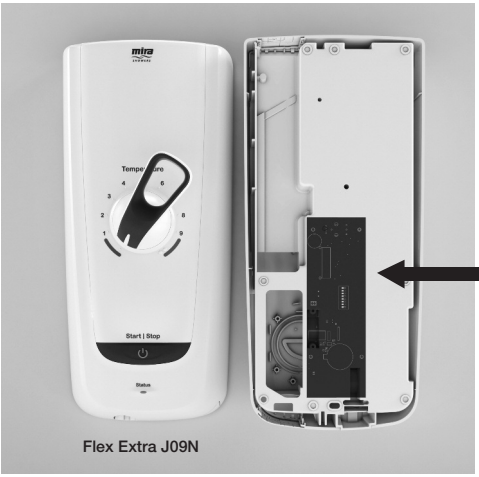
WITH Active Link

Contents

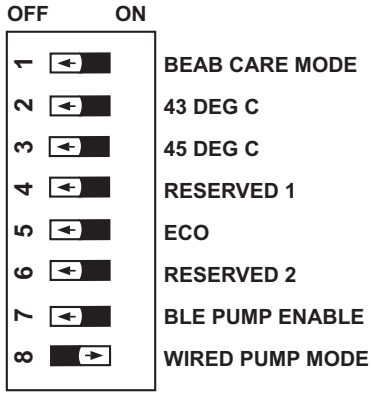
Whale Switch Connect Transformer Hardwired Connections (Direct Connect)

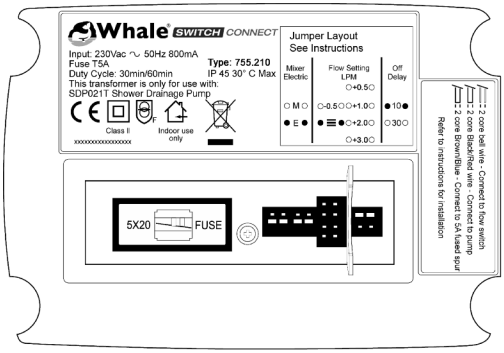
The Whale Switch Connect transformer may be directly wired to compatible electric showers without the use of a flow switch. The compatible showers and their connections are shown below:

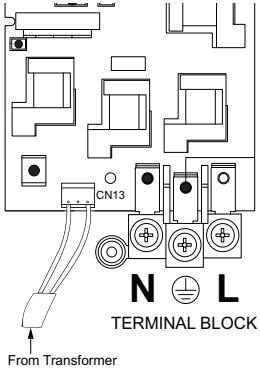
Mira® Advance Flex Extra 1.1785.005 (J09N)



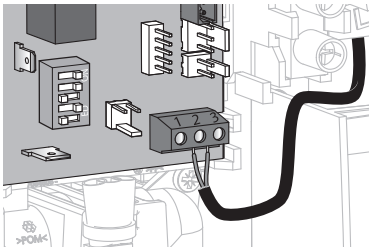
Flex Extra J09N

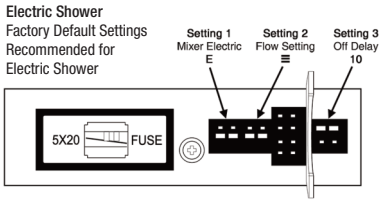




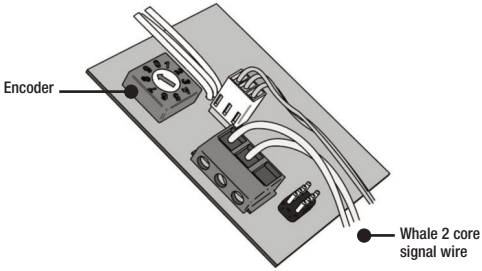


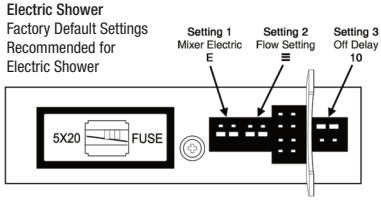
Triton Omnicare, Safeguard +, Omnicare Design, Safeguard Pumped Care





Redring Selectronic WP
('RSEL85WPC or RSEL95WPC')



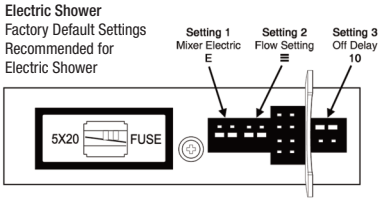


Whale Switch Connect Transformer Flow Switch Connections

Electric Shower Settings

In a situation where a hardwired connection with the shower cannot be established i.e. the electric shower is not compatible with the Whale Switch Connection transformer, the AK1568 flow switch may be installed in the cold-water supply to the shower. Always ensure the flow switch is accessible.

Please ensure that water flow through the sensor is in the direction of the arrow on the sensor.



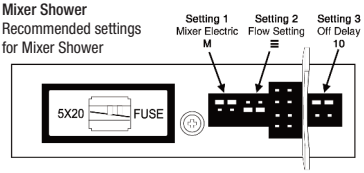
Mixer Shower Settings

When installing a mixer shower two flow switches must be used (an additional flow switch is required – AK1570 Mixer Valve Conversion Kit). One switch on the hot-water supply and one switch on the cold-water supply. The plumbing from the gulley to the pump must be in 22mm pipework to allow for higher flow rates.

Note: When upgrading an existing installation to a mixer shower and 15mm pipework cannot be altered, restrict the flow rate from the shower to 8lpm.

Flow Switch x 2

Please ensure that water flow through the sensor is in the direction of the arrow on the sensor.



Transformer Settings

The transformer is factory set for a typical Electric Shower installation. **See Fig 2.4**

Settings should only be adjusted to suit a specific installation where required.

To make adjustments, move the jumpers on the base of the transformer to connect pairs of contacts to suit the particular installation as follows:

- **Setting 1: Mixer / Electric (M / E)**
  Select your type of installation.
  M Mixer Valve shower setting.
  E **(Default Setting)** Electric shower setting.
- **Setting 2: Flow Setting**
  ≡ **(Default Setting)** With **Setting 1** set to **E** the pump runs at the optimum speed to remove water delivered by a healthcare electrical shower whilst keeping gulley noise to a minimum.

  With **Setting 1** on **M** the pump will remove water from a mixer/blender shower fitted with the 10 ltrs/min restrictor contained in Mixer Valve Conversion kit AK1570, whilst keeping gulley noise to a minimum.

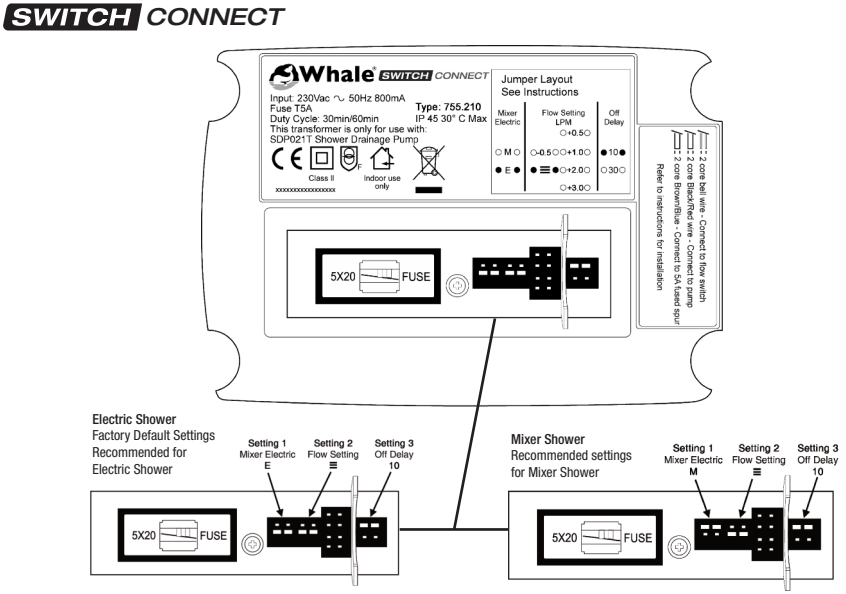
  -0.5, +0.5, +1.0, +2.0, +3.0 Ltrs/min (approx.)
  These settings are used in conjunction with Setting 1, E or M, to enable pump speed to be fixed faster or slower to deal with the maximum flow from any shower up to 12 ltrs/min whilst keeping gulley noise to a minimum.
- **Setting 3: Off Delay** (10, 30 Seconds)

  10 Seconds (Default Setting) is the recommended setting for Electric Shower and Mixer Shower installations.

  30 Seconds This setting is suitable for installations where water is slow to drain into the gulley.
- **Purge Cycle** - After 15 minutes the transformer will reactivate the pump for approx 30 seconds to remove any run-off or condensation that has collected in the gulley.
- **Test Button** - The Test Button provides a quick and convenient way to test the transformer and pump operation. Press, hold and release the Test Button. The GREEN LED should illuminate on the Test Button and the pump should run.

DO NOT MAKE THE PUMP RUN FASTER THAN NECESSARY

DEFAULT SETTINGS SHOULD NORMALLY BE USED



Active*Link* Diagnostics

The 755.210 transformer includes **Active*Link*** diagnostics to aid installation and maintenance.

1 If the connection to mains power is made and the Test Button is pressed, the green LED will illuminate. If this does not happen check power source, fuses and that all connections compress or contact the electric wire and not the wire insulation.

2 With the pump connected, pressing the Test Button will activate it and the green LED. The light will go out as the pump stops after off delay time set on the transformer. Used to clear tray or test pump.

3 When the shower is turned on, as water flows through the external flow switch(es) or the internal shower switch is closed, the green LED will illuminate to indicate correct operation of switch.

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