WATER HOUSE®
Pumps & Garden

12V FL40
FRONT END SWITCH

FL40 | 12V DC

40 PSI pressure control switch

For compatible 40 PSI diaphragm pumps

INSTRUCTION MANUAL

Read before use and keep for future reference.

WELCOME

Introduction & specifications

Thank you for choosing the Waterhouse FL40 Front End Switch. This accessory is intended for use with a compatible 12V diaphragm pump and water pressure system.

What the switch does

The FL40 is a 40 PSI pressure control switch for a 40 PSI diaphragm pump. It automatically cuts pump power in and out as a tap or valve is closed or opened. The product listing also states that the switch allows run-dry control.

Technical specifications

Model	FL40
Supply designation	12V DC
Pressure rating	40 PSI
Product type	Front end pressure control switch
Intended pump	Compatible 40 PSI diaphragm pump
Operation	Automatic pump start / stop
Additional function	Run-dry control (per product listing)

VERIFY COMPATIBILITY

Confirm the pump model, electrical connections and switch suitability before installation. No manufacturer wiring diagram was supplied for this manual.

SET-UP

Installation & operation

ELECTRICAL SAFETY

Disconnect the 12V power supply before inspecting or installing the switch. Do not work on live wiring.

Before installation

- Check that the switch and pump are undamaged.
- Confirm the pump is a compatible 12V, 40 PSI diaphragm pump.
- Confirm the correct connection method with the pump manufacturer or a qualified technician.
- Do not modify the switch or bypass any protective controls.

How it operates

1. Opening a tap or valve causes the water-system pressure to change, allowing the control to start the pump.
2. Closing the tap or valve allows pressure to build and the control to stop the pump.
3. The product is also described as supporting run-dry control; the exact detection and reset procedure is not specified by the supplier.

INSTALLATION DETAILS NOT VERIFIED

Terminal assignments, wiring polarity, mounting procedure and reset settings must be confirmed from the original manufacturer instructions.

QUICK FIXES

Troubleshooting & care

Pump does not start

Check the 12V supply and confirm the switch is compatible with the pump. Have the wiring checked by a qualified person.

Pump does not stop

Check for open taps, leaks or pressure loss. Disconnect power if the pump continues running unexpectedly.

Pump cycles frequently

Check the water system for leaks or fluctuating pressure. Confirm the pump and switch are correctly matched.

Possible dry-run condition

Switch off the power and check the water supply. Follow the pump manufacturer's instructions before restarting.

Cleaning & storage

Disconnect the power supply before cleaning. Keep electrical connections clean and dry. Inspect periodically for physical damage. Store the switch in a clean, dry location when not in use.

> **SERVICE NOTE**
>
> Do not dismantle or repair damaged electrical components yourself. Contact Waterhouse if the problem persists.

Waterhouse South Africa

Tel: 011 466 8250 | www.waterhouse.co.za