WATER HOUSE®
Pumps & Garden

FLOAT SWITCH
5 METRE CABLE

MODEL DFTS/5M

Automatic water level control

For compatible tank, sump and pump systems

INSTRUCTION MANUAL

Read before installation and retain for future reference.

WELCOME

Introduction & product data

Thank you for choosing the Waterhouse DFTS/5M Float Switch. This mechanical water-level switch changes its electrical contact state as the float rises or falls, allowing compatible control equipment to respond to the water level.

Applications

- Water tank filling and overflow prevention.
- Sump and drainage pump control.
- Low-water protection for compatible pumps.
- Water-level indicators and alarms, when correctly configured.

Technical specifications

Model	DFTS/5M
Product type	Mechanical water-level float switch
Cable length	5 metres
Construction	Waterproof design
Function	Automatic liquid-level detection
Applications	Pump control, tank monitoring and alarms
Electrical ratings	Not stated on product listing

CHECK ELECTRICAL RATINGS

The product listing does not specify voltage, current, contact configuration or wire colours. Confirm these from the switch marking or manufacturer documentation before connection.

SET-UP

Safety & installation

DANGER - ELECTRICAL SHOCK

Disconnect and isolate all power before installation or inspection. Electrical connections must be completed by a suitably qualified person in accordance with applicable regulations.

Installation considerations

- Confirm that the switch electrical ratings suit the pump or control circuit.
- Choose a location where the float can rise and fall without snagging on walls, pipes or equipment.
- Secure the cable using a suitable mounting arrangement; do not allow the electrical connection to enter the water.
- Set the permitted float travel for the desired water-level operating range.
- For larger pump motors, use a suitably rated contactor or control relay where required.
- Have a qualified installer verify switching operation before placing the system into service.

How it works

As the water rises or falls, the float tilts and changes the state of its internal switch. Depending on the verified wiring and configuration, this can be used to start or stop a pump, or operate a level alarm.

WIRING DIAGRAM NOT PROVIDED

The Waterhouse product page does not include verified conductor identification or a wiring diagram. Do not assume the wire colours or contact states. Confirm them before installation.

CARE

Troubleshooting & maintenance

Pump does not respond

Check the power supply, control circuit, float movement and compatibility. Have electrical connections checked by a qualified person.

Pump starts or stops at the wrong level

Check that the float has sufficient free movement and that its mounting position matches the intended application.

Intermittent operation

Inspect for obstructions, cable damage or loose connections. Disconnect power before examining the installation.

Float does not move freely

Remove obstructions and check that the float is not catching on tank walls, pipes or fittings.

Cleaning & storage

Isolate the electrical supply before cleaning. Remove accumulated debris from the float and inspect the cable and housing for damage. Do not use the switch if its cable, casing or seals are damaged. Store in a clean, dry location when not installed.

> **DO NOT MODIFY OR REPAIR**
>
> Do not open the float housing or attempt to repair damaged electrical parts. Replace damaged components and seek qualified assistance.

Waterhouse South Africa

011 466 8250 | www.waterhouse.co.za