

# Chantree®

## PUMP



## FLOAT SWITCH

MODEL NO: FS1

PART NO: 7950827

## OPERATION & MAINTENANCE INSTRUCTIONS

CE



ORIGINAL INSTRUCTIONS

GC06/24

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## INTRODUCTION

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Thank you for purchasing this Clarke Float Switch, which is simple to install and designed for trouble free operation and a long life.

The FS1 is a plastic float switch moulded to 3 core cable. Actuation is via a roller ball and micro-switch within the switch.

The microswitch assembly inside the float, axially mounted in line with the weight, changes contacts according to the float's position. Therefore as the liquid level drops or rises slowly, a pump or flow control suitably connected can be switched on or off to maintain an average level of the liquid. By connecting only one side of the switch, the unit can be also used to fill or empty a tank or reservoir as required.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

**Please keep these instructions in a safe place for future reference.**

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## SPECIFICATIONS

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Power supply	230V-50-60Hz
Current	8 A
Operating temperature	0-50°C
Cable length	2 mtr
IP Rating	IP68

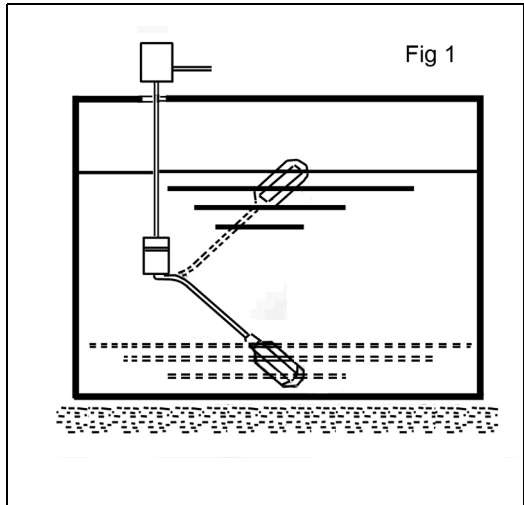
## INSTALLATION

To ensure the efficient function of the switch it is necessary to fix the electrical cable inside the tank as shown in fig:1.

The length of the cable section between the Pivot Point (counterweight) and the float will determine the length of time the pump runs between starting and stopping.

The switch must be free from obstructions within the area of the float arc.

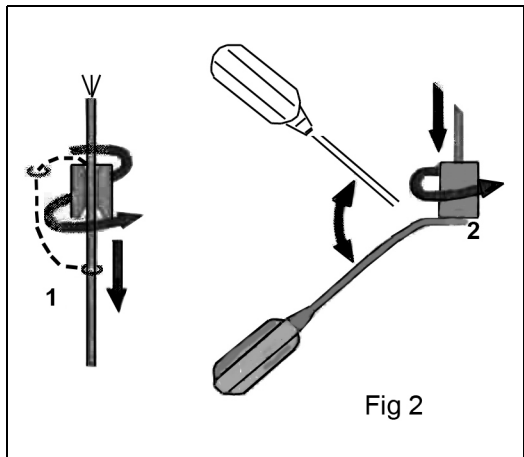
**No joins should be made to the cable that may become immersed in water.**



## HEIGHT COUNTERWEIGHT INSTALLATION

For correct counterweight installation refer to the procedure as in fig: 2.

1. Insert the cable into the counterweight from the conical shaped end, turning it as shown. This will result in the detachment of the plastic ring inserted in the mouth (if required aid detachment by using a screwdriver) Place the ring at the point of the cable where the counterweight is to be fixed.
2. Fix the counterweight onto the ring using moderate pressure and turning it as shown.



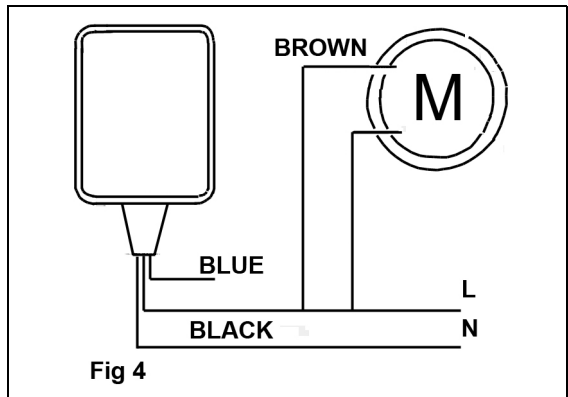
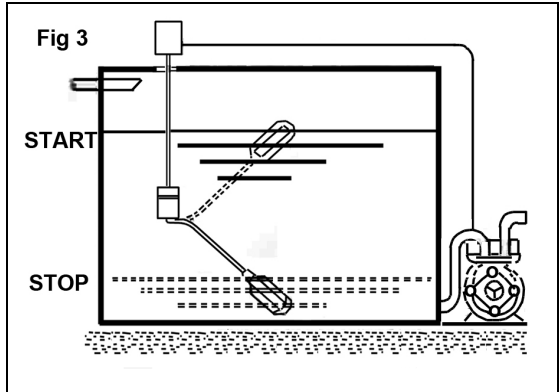
## ELECTRICAL CONNECTIONS

### Electrical Connections:

#### Emptying (Fig 3 & 4)

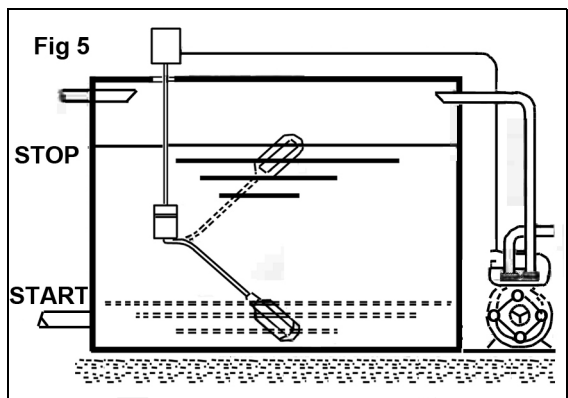
To empty a tank; Connect 'Brown' and 'Black'

This will allow the switch to:  
Open when down; Close  
when up.



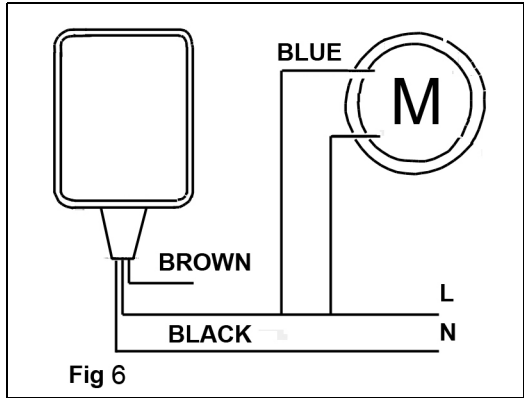
### Electrical Connections: Filling (Figs 5 & 6)

To fill a tank; Connect 'Blue'  
and 'Black'.



This will allow the switch to:

- Open when up;
- Close when down.



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## ENVIRONMENTAL RECYCLING POLICY

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Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

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## GUARANTEE

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This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

## ASSOCIATED CLARKE PRODUCTS

### Suction/Delivery Hoses



- Reinforced 1" diameter hose for use with water pumps. Reinforced hose can be used on both the suction and delivery sides of any surface mounted water pump or the delivery side of a submersible pump.

### Assorted Hose Clip Set - CHT672



- 25mm (1") diameter 90° threaded female hose adaptor



- An optional pump filter and cartridge for use with the various Clarke water pumps including the SPP swimming pool pump range & CBM booster pumps.



- The 1HP SPP10A 750W swimming pool pump is a self priming pump designed to re-circulate water to and from the pool via a filtration system (sold separately) allowing for the quick and easy draining and cleaning of pools of varying sizes.

# DECLARATIONS OF CONFORMITY

**UK  
CIA**

**Clarke<sup>®</sup>  
INTERNATIONAL**  
Hemmill Street, Epping, Essex, CM16 4LG

## DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:

- The Electromagnetic Compatibility Regulations 2016*
- The Electrical Equipment (Safety) Regulations 2016*
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012*

The following standards have been applied to the product(s):

- EN 60730-2-6:2016-A1:2020, EN 60730-1:2016-A1:2019, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-4:2013-A1:2017, IEC 62321-2:2021, IEC 62321-3-1:2013, EN 61000-3-3:2013-A1:2019, EN 55014-1:2017-A11:2020, EN IEC 61000-3-2:2019, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-8:2017, EN 55014-2:2015*

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The UKCA mark was first applied in: 2024

Product Description: Flat Switch  
Model Number(s): FS1  
Serial/Batch Number: Refer to product/packaging label  
Date of Issue: 21/05/2024

Signed:   
J.A. Clarke  
Director

**CE**

**Clarke<sup>®</sup>  
INTERNATIONAL**  
Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

## DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:

- 2014/30/EU Electromagnetic Compatibility Directive*
- 2014/35/EU Low Voltage Directive*
- 2011/65/EU Restriction of Hazardous Substances (RoHS) Directive*


The following standards have been applied to the product(s):

- EN 60730-2-6:2016-A1:2020, EN 60730-1:2016-A1:2019, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-4:2013-A1:2017, IEC 62321-2:2021, IEC 62321-3-1:2013, EN 61000-3-3:2013-A1:2019, EN 55014-1:2017-A11:2020, EN IEC 61000-3-2:2019, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-8:2017, EN 55014-2:2015*

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2024

Product Description: Flat Switch  
Model Number(s): FS1  
Serial/Batch Number: Refer to product/packaging label  
Date of Issue: 21/05/2024

Signed:   
J.A. Clarke  
Director

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# Clarke®

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### **AIR COMPRESSORS**

From DIY to industrial, Plus air tools, spray guns and accessories.

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Drills, grinders and saws for DIY and professional use.

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Angle grinders, cordless drill sets, saws and sanders.

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## **PARTS & SERVICE: 0208 988 7400**

### **Parts Enquiries**

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