

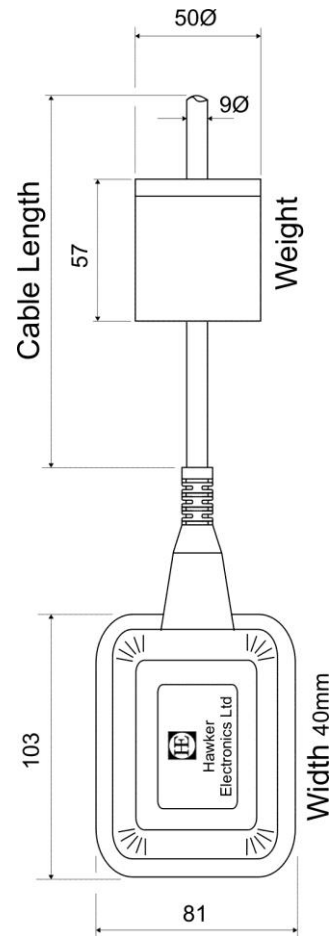


HAWKER

LEVEL CONTROL SYSTEMS

Type HFL6

- Ecologically Friendly
- Polypropylene Housing
- Suitable for Diesel Oil
- Available in 5,10, or 20m lengths
- Moveable Weight
- Simple to Install



Operating Principle

The HFL6 is a plastic float switch moulded to a pur polyurethane 3-core cable for use in diesel oil

The float is suspended from its cable just below the surface of the liquid so that wave effect is negligible. When the liquids reach or leave the float, it tilts and operates its mechanical switch, the angle of the operation being 45° , this can stop or start a pump or operates an alarm.

Two floats are required for control between two levels. They are provided with external ballast to ensure correct tilt operation in any direction.

Although the floats are designed to switch mains, it is preferable to interpose a low voltage power supply with relay such as the Hawker 118 or AC1 wall-mounting units, which switch 5 amps

The single pole double throw micro switch is controlled by a rolling ball and is axially mounted in line with the ballast weight. As the switch tilts contacts are either made or broken to start or stop a pump etc.

If excessive turbulence is expected the cable should be either supported or clipped to the side of the vessel.



HAWKER

TECHNICAL SPECIFICATION

Technical Data

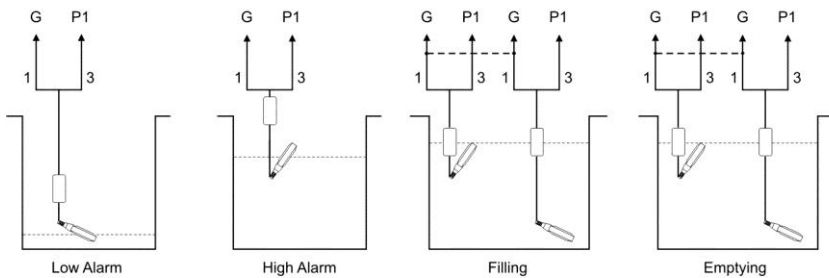
Float Chamber material: Polypropylene
 Cable: 3 x 0.75mm² Pur Polyurethane
 Contact rating: 5A @ 50V 50Hz (non inductive) (use an interposing level controller to comply with health and safety regulations).
 Max submerged depth: 20 metres
 Max operative depth: 350mm
 Max operating temp: 70°C
 S.G. of liquid: 0.9 to 1.3
 Weight: 0.7Kg/5m, 1.2Kg/10m, 2.2Kg/20m

Ordering Information

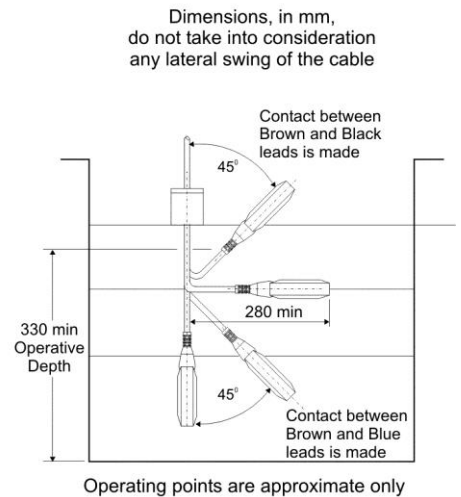
HFL6/ 0.5m: 5 metre cable
 HFL6/10m: 10 metre cable
 HFL6/20m: 20 metre cable
 Optional mounting brackets: Type 75/HFL Galvanised Mild Steel bracket with UPVC cable clamp
 Type 75/SS/HFL Stainless Steel bracket with UPVC cable clamp

Connection Diagrams

Hawker Electronics Level Controller Connections



Cable Core Colour		Single Float		Dual Float			
		Low Alarm	High Alarm	Filling		Emptying	
Brown (Common)	1	✓	✓	✓	✓	✓	✓
Blue	2						
Black	3	✓	✓	✓	✓	✓	✓



This product has been designed and complies to the relevant standards as listed in its certificate of conformity. The installer/user must ensure compliance. The crossed out bin symbol, placed on the product, reminds you of the need to dispose of the product correctly at the end of its life. Because of continuing development we reserve the right to change the specifications without notice

HAWKER ELECTRONICS LTD.

57 The Avenue,
 Rubery Industrial Estate,
 Birmingham B45 9AL, ENGLAND
 Telephone: +44 (0)121-453-8911 Fax: +44(0)121-453-3777
 email: info@hawker-electronics.co.uk www.hawker-electronics.co.uk



FM 10000