

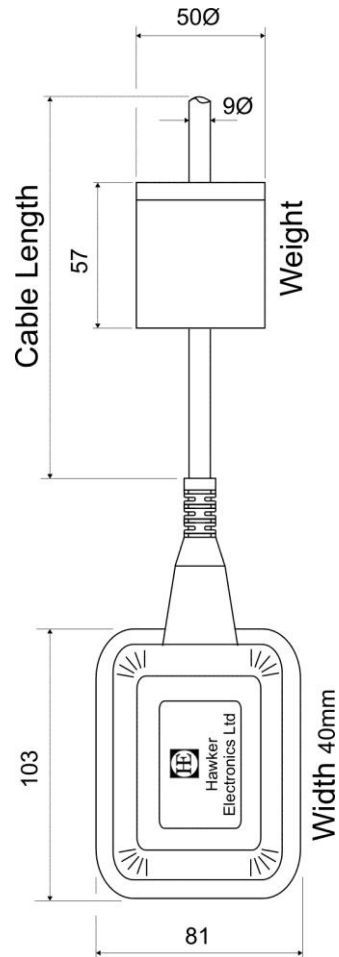


**HAWKER**

**LEVEL CONTROL SYSTEMS**

## ***Type HFL3***

- Polypropylene Housing
- Suitable for Chemicals
- Available in 5,10, or 20m lengths
- Moveable Weight
- Simple to Install



### ***Operating Principle***

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  $45^{\circ}$ , 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 0.75mm <sup>2</sup> P.V.C
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:	0.6Kg/5m, 1.1Kg/10m, 2.1Kg/20m

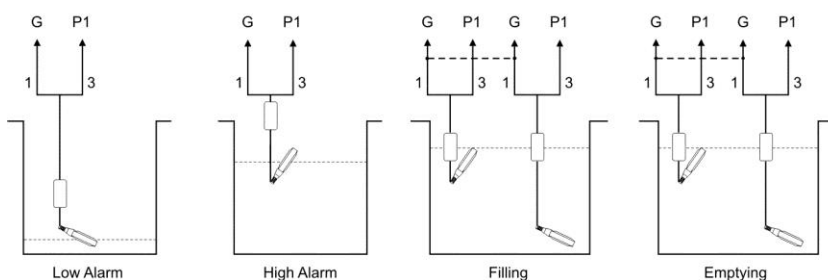
### Ordering Information

HFL3/PVC/ 5m:	5 metre cable
HFL3/PVC/10m:	10 metre cable
HFL3/PVC/20m:	20 metre cable

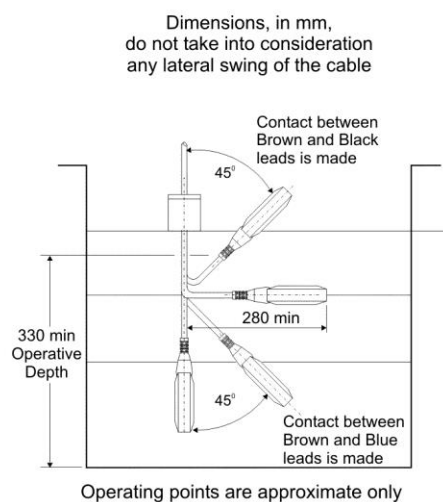
Optional mounting bracket: Type 75/SS/HFL Stainless Steel bracket with UPVC cable clamp

### 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*

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