

## Space saving solutions

The OverFill control device is intended for use in combination with a motorised valve and a simple float switch to prevent the overflow of heating and hot water systems.

A typical application would be the protection of a mains pressure hot water combination tank. Should the coil rupture or the float valve fail the header tank water level would rise rapidly. The float switch will detect this hazardous condition and the OverFill control unit will turn the mains water valve off. An alternative use might be in an application where the routing of an over flow pipe is undesirable. Should the float valve fail then the safety device will be triggered.

## Main features

- Caters for a normally open or a normally closed float switch †
- The status LED flashes to indicate that there is a fault condition
- Wiring through cable glands for ease of installation

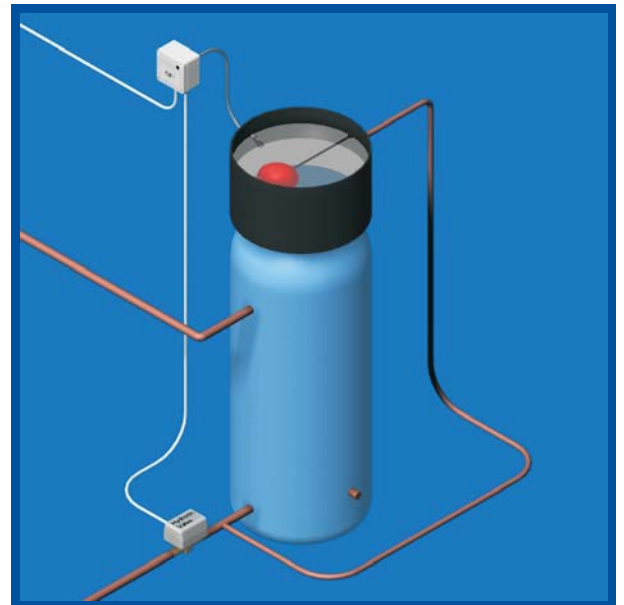
† A normally open (NO) or normally closed (NC) float switch can be used with this control. We advise the use of a normally closed switch as the system will fail safe in the event of a wiring fault. We recommend using a low power motorised valve such as the Honeywell VC (Hydronic) 2- way valve. The hydronic valve only requires power while opening or closing and so minimises power consumption and heat generation when actuated for sustained periods. During a power outage the valve will maintain the water supply unlike similar models which employ spring return mechanisms.

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OF1 - Water tank, over flow prevention control unit



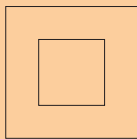
OF1, Float switch & Hydronic valve in over flow prevention application

# Water tank, over flow prevention device

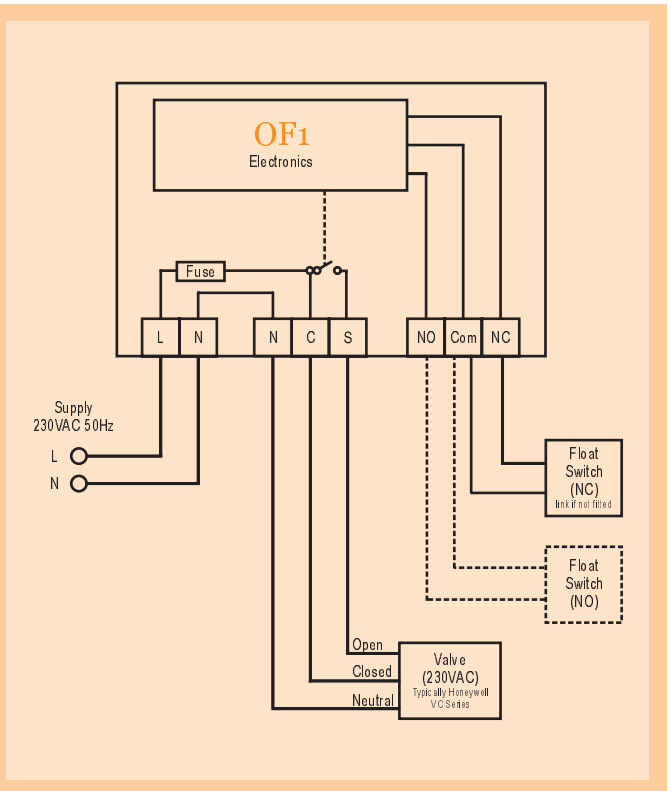
<b>Model / Specification</b>	<b>OF1</b>
<b>Features</b>	
Status LED : flashing	fault condition, water level high and valve closed
<b>Electrical</b>	
Control power supply	230VAC 50Hz 8VA max
Hydronic 2-way valve specification	Honeywell VC series preferred.
Float specification	minimum rating 12V @ 50mA
<b>Physical</b>	
Overall dimensions : W x H (inc. cable glands) x D in mm	94 x 120 x 57
Weight : grams (g)	250

## General specification

Purpose of control : Sensing  
 Classification : Type 1.B  
 Contacts : Micro-disconnection  
 Contact rating : 230VAC suitable for solenoid valve up to 10VA  
 Rated impulse voltage : 2500V  
 Construction : Independently surface mounting control  
 Mounting : Surface mounting  
 Enclosure : Flame retardant high impact polystyrene-HIPS  
 Shock protection : Class II  
 Ball pressure test : 75°C  
 Enclosure protection : IP30  
 Operating temperature range : 0°C to 40°C  
 Pollution control situation : Pollution degree 2  
 EMC directive : (EMC) (89\336\EEC), (92\31\EEC)  
 LV directive : (LVD) (72\23\EEC), (93\68\EEC)  
 Product identity : Can be badged for OEM



## Schematic



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