

Liquid Sensor Application Notes



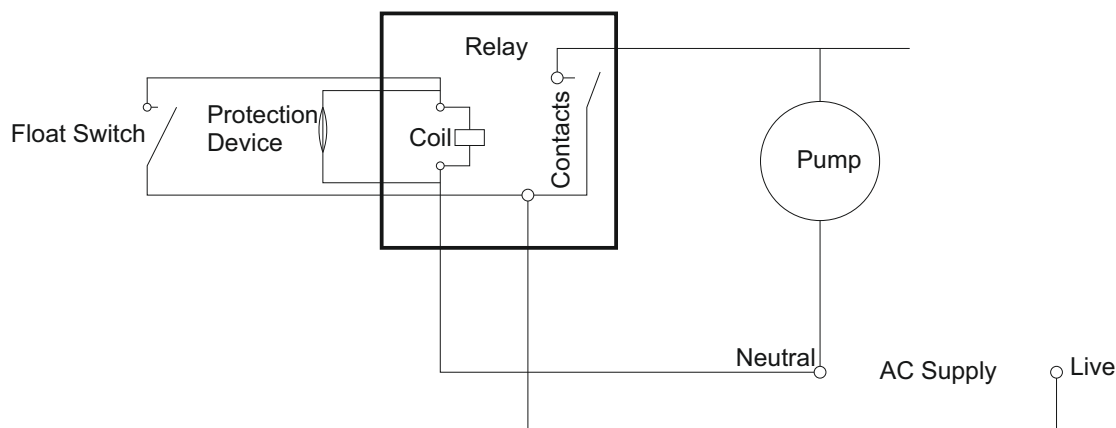
Pump Control Circuit for Automatic Tank Filling

This diagram is for the circuit to fill a tank, using one normally open float switch and a relay.

The pump will be on if the fluid level is below the float switch point.

When the fluid level rises to the float switch point, the pump will switch off.

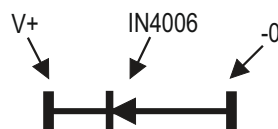
This circuit will give an immediate reaction to rising and falling levels around the float switch point. This means it is suitable for applications where there is insufficient space to accommodate a dual level switch system.



It is advisable to fit a 375V bi-directional Transil across the relay coil terminals, if the control voltage is 240Vac.

A 1A Silicon diode (1N4006) should be connected across the coil terminals, if the control voltage is DC (see diagram below).

These measures are to avoid back e.m.f. induced overvoltage transients, which can cause damage to the reed switch contacts.



Suggested Relays

RS Stk Nos

12Vdc	376-880 235-5497 245-2368
24Vdc	376-896 245-2374
24Vac	511-1212
110/115Vac	205-1230 245-2380
230/240Vac	376-903 235-5510 245-2396

Diode 1N4006 (for DC) 628-9530

Transient Voltage Protection Device (for AC) 543-8573 485-9430

Cynergy3 Components Ltd. 7 Cobham Road, Ferndown Industrial Estate, Wimborne, Dorset, BH21 7PE
Telephone: +44 (0) 1202 897969 Email: sales@cynergy3.com

ISO9001 CERTIFIED

www.cynergy3.com

© 2019 Cynergy3 Components, All Rights Reserved. Specifications are subject to change without prior notice. Cynergy3 Components and the Cynergy3 Components logo are trademarks of Cynergy3 Components Limited.
Cynergy3 Components Ltd accepts no responsibility or liability for the information contained in this document, nor for any direct or consequential loss suffered by use of this document or the information it contains.