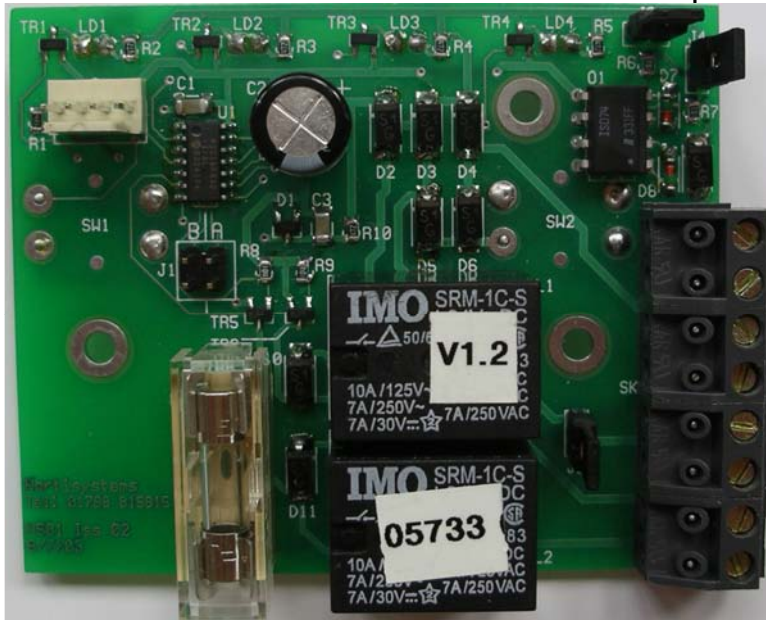


## SM1 Connections for HRS1 and HRS3

### SM1 Auto – Manual Set Up



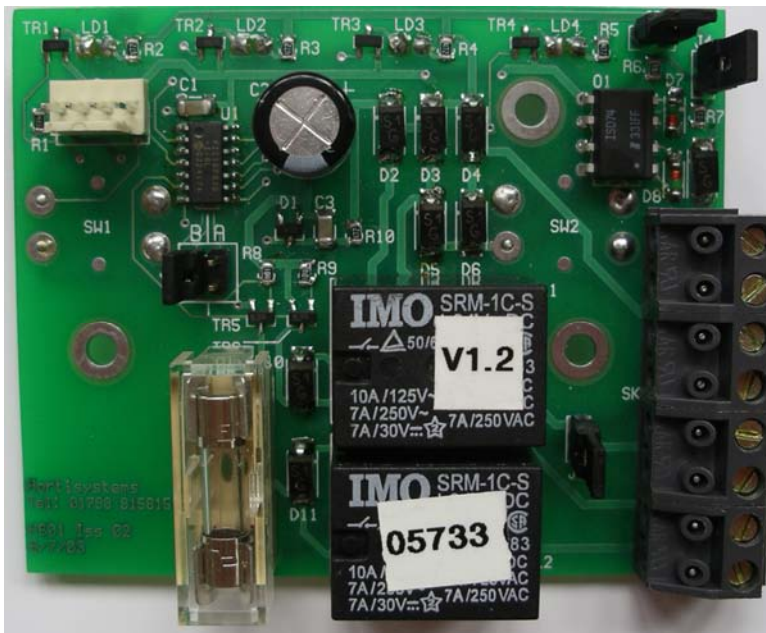
#### Single Phase - HRS1

For 2 relay delay on switching there should be no jumpers on A or B.

Fit jumpers to J3 and J4 for volt free control. Remove both for external 24VAC or 24VDC Auto control supply.

Fit J2 to link terminal 4 to terminal 6 (common for outputs).

PCB shows correct set-up



#### Three Phase – HRS3

For 2 relay **no** delay on switching fit jumper 'B' only. No jumper on 'A'.

PCB shows correct set-up

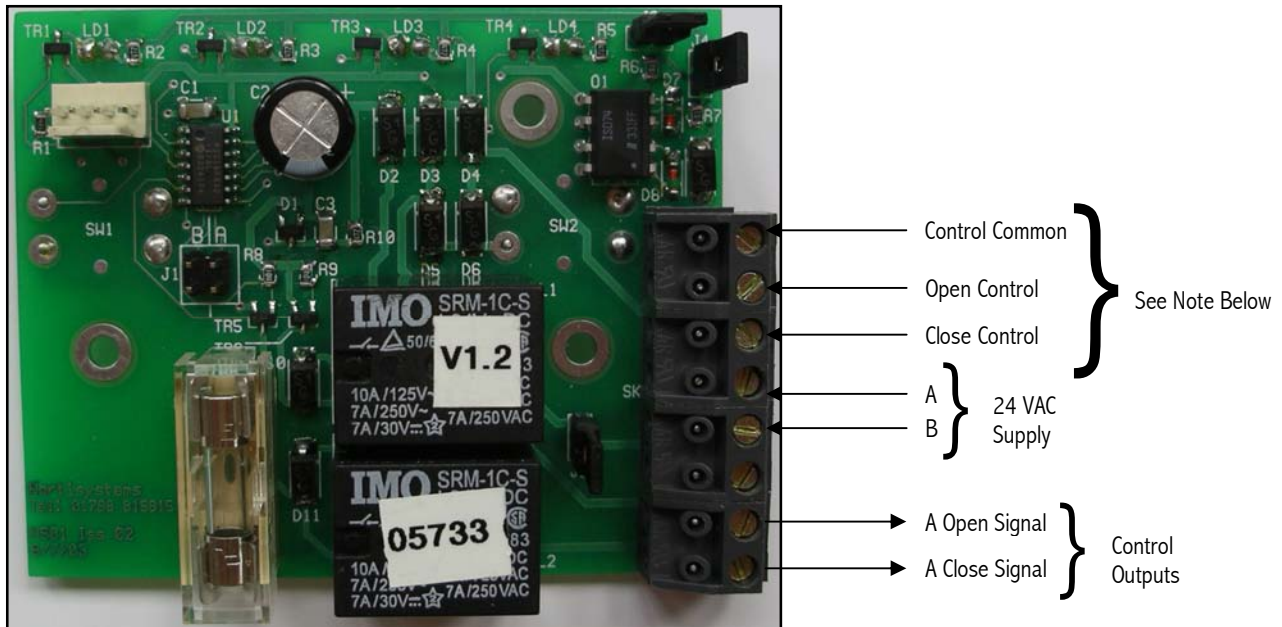


Pump control, fan, etc  
For 1 relay, single output no delay on switching fit jumper on 'A' only. No jumper on 'B'.

PCB shows correct set-up

NB: If jumpers are fitted across 'A' and 'B' this will create an invalid setting, all LED's will flash and print will not operate.

## SM1 Connections for HRS1 & HRS3



- ⊕ If links are fitted to both J3 and J4, auto control is by volt free contacts.
- ⊕ If links are removed from J3 and J4, auto control is from external 24VAC or 24VDC source.
- ⊕ For 1 relay operation e.g. for pump, fan, etc. Output is on terminal 7. Auto control is on terminals 1 and 2.
- ⊕ Link J2 is normally fitted linking terminal 4 to terminal 6. Terminal 6 is the output common. If 24VDC is to be switched as opposed to 24VAC as normal, J2 is removed and 24VDC common is supplied to terminal 6 from an external source.

### Hortisystems control board J1 Jumper settings

A – OFF	B – OFF	2 relay, delay on switching
A – ON	B – OFF	1 relay, no delay on switching
A – OFF	B – ON	2 relay, no delay on switching
A – ON	B – ON	Invalid setting all LED's flash