Models Covered

- Ecomomaire
- Hi-Spec
- QuanTec
- Aquair
- WarmCair C / DW

Johnson & Starley

Economaire

Thermostat

Only E-T/Eco thermista-stat suitable. Any other thermostat will either not function correctly (always in Summer Air Circulation) or damage the PCB module.

Programmer

Any volt-free programmer can be fitted to "ext. programmer" connections on 10-way terminal strip located on the back of the electrical panel.

Hi-Spec

Thermostat

For J25, J32, J40 & M31: If the current thermostat is an E-T/Eco thermista-stat, then must be replaced like-for-like. Any other thermostat will either not function correctly (always in Summer Air Circulation) or damage the PCB module. If current thermostat is a basic volt-free on/off thermostat, then any other volt-free thermostat can be fitted in its place.

For J30, J50, J65, J90, JU55: If current thermostat is ModAirFlow thermista-stat, then we recommend like-for-like replacement as this thermista-stat allows the fan speed to modulate, resulting in a more even temperature maintained across heating cycles (on/off periods of the burner). Any volt-free thermostat can be used – will not cause any damage. However, fan modulation will be lost, i.e. fan will only run at maximum rate when called for.

Programmer

For J25, J32, J40, M31: Programmer must be 230V capable. Terminal 4 is common, terminal 6 is heating S/L, terminal 10 is hot water S/L.

For J30, J50, J65, J90, JU55: ModAirFlow units – 230V switching on clock terminals. Can be removed and re-wired to 230V external programmer. Clock terminal 5 is 230V common directly from mains, 4 is heating S/L, 1 is hot water S/L.

Quantec
Any volt-free thermostat or programmer is suitable. If 240V stat used, it will damage the PCB and will not work correctly or at all.

Aquair
Only ModAirFlow thermista-stat to be wired directly into Aquair. All other controls must be fitted to the accompanying heat source.

WarmCair C Series

Thermostat
Any thermostat must be OpenTherm capable. Any other thermostat will cause severe damage to components.

The fitting of any NON OpenTherm compatible controller to any of the WarmCair C range of warm air heaters will invalidate the guarantee immediately.

Programmer
Any volt-free programmer can be used in series with the OpenTherm thermostat. 230V switching programmers can be used – terminal 24 on wiring interface PCB is common, S/L must be wired back to brown wire on plug in between clock & terminal 24 (see wiring diagram in installation manual for clarification).

WarmCair DW Series
For increased circulation fan modulation use the ModAirFlow thermista-stat. Otherwise, connections on PCB available for volt-free thermostat and 230V 2-channel programmer (see wiring diagram in installation manual). Bear in mind these heaters are hot water priority.

This booklet is intended as a guide only. All information is provided in good faith, however we make no representation or guarantee of any kind, express or implied, regarding the accuracy, reliability of any information given.