

## AAH CONTROLLER SPECIFICATIONS

### **AAH/2 Single Phase Thyristor Temperature Controller**

Max. 4.5kW @ 230v, maximum current 19.5amps

0-10volt signal for set point temperature. Open or closed loop option BMS

On/Off volt free

Airflow Switch 604X, volt free contacts, range 20 – 300pa fitted as standard.

Over-Heat Cut-out OHC5, volt free contacts, max capacity 16amps

Supply Fan1, maximum 650W @ 230v Fan terminals are temperature controlled Supply Fan2, maximum 650W @ 230v

Duct Sensor, Thermistor Curve K 4.7K  $\Omega$  resistance @ 25°C

2 digit 0.56" 7 segment LED display

Push buttons (PCB mounted) Up/Down

LEDs

Power on – Green. Flashing on standby. Solid is switched on

Heater on – Amber. LED will pulse with demand and stay on with full load. Heaters should not run 100% all the time

Error – Red. Airflow fail, overheat trip, current fail, duct sensor fault

*Optional remote fault relay signal and air flow sensor, plug-in board. This will replace the Airflow Switch 604X and this can be done in our factory if requested. The part does add cost to the heater (for very low air volume)*

*Optional remote fault relay signal board plugs into any AAH heater*

See website for ordering and prices

The controllers meet the current EMC. EN61326-, EN55011, EN61000

### **AAH/4 Single Phase Thyristor Temperature Controller**

Max 8kW (2x4.0kW) @ 230v, maximum current 34amps

0-10volt signal for set point temperature. Open or closed loop option

On/Off

Airflow Switch 604X, volt free contacts, range 20 – 300pa fitted as standard

Over-Heat Cut-out OHC5, volt free contacts, max capacity 16amps

Supply Fan1, maximum 650W @ 230v Fan terminals are temperature controlled Supply Fan2, maximum 650W @ 230v

Duct Sensor, Thermistor Curve K 4.7K  $\Omega$  resistance @ 25°C

2 digit 0.56" 7 segment LED display

Push buttons (PCB mounted) Up/Down

LEDs

Power on – Green Flashing on standby. Solid is switched on.

Heater on – Amber LED will pulse with demand and stay on with full load. Heaters should not run 100% all the time.

Error – Red- Airflow fail, overheat trip, current fail, duct sensor fault.

*Optional remote fault relay signal and air flow sensor, plug-in board. This will replace the Airflow Switch 604X and this can be done in our factory if requested. The part does add cost to the heater. (for very low air volume)*

*Optional remote fault relay signal board plugs into any AAH heater*

See website for ordering and prices

The controllers meet the current EMC. EN61326-, EN55011, EN61000

## AAH/6 3 phase Thyristor Temperature Controller

Supplied with SSR max 24kW, maximum current 34.7amps per phase @ 400v  
0-10volt signal for set point temperature. Open or closed loop option BMS  
On/Off

Airflow Switch 604X, volt free contacts, range 20 – 300pa fitted as standard

Over-Heat Cut-out OHC5, volt free contacts, max capacity 16amps

Supply Fan1, maximum 650W @ 230v Fan terminals are temperature controlled Supply Fan2, maximum 650W @ 230v

Duct Sensor, Thermistor Curve K 4.7K  $\Omega$  resistance @ 25°C

2 digit 0.56" 7 segment LED display

Push buttons (PCB mounted) Up/Down

LEDs

Power on – Green Flashing on standby. Solid is switched on

Heater on – Amber LED will pulse with demand and stay on with full load. Heaters should not run 100% all the time

Error – Red. Airflow fail, overheat trip, duct sensor fault

*Optional remote fault relay signal and airflow sensor, plug-in board. This will replace the Airflow Switch 604X and this can be done in our factory if requested. The part does add cost to the heater. (for very low air volume)*

*Optional remote fault relay signal board plugs into any AAH heater*

*An additional module can be supplied to control 3 phase fans*

*See link for supply and function of 3 phase fan controllers*

See website for ordering and prices

The controllers meet the current EMC. EN61326-, EN55011, EN61000

## AAH/8 3 phase Thyristor Temperature Controller

Supplied with SSR max 135kW, maximum current 187amps per phase @ 400v

0-10volt signal for set point temperature. Open or closed loop option BMS

On/Off

Airflow Switch 604X, volt free contacts, range 20 – 300pa fitted as standard.

Over-Heat Cut-out Type 13, volt free contacts, max capacity 16amps

Supply Fan1, maximum 650W @ 230v Fan terminals are temperature controlled Supply Fan2, maximum 650W @ 230v

Duct Sensor, Thermistor Curve K 4.7K  $\Omega$  resistance @ 25°C

2 digit 0.56" 7 segment LED Display

Push buttons (PCB mounted) up/down

LEDs

Power on – Green Flashing on standby. Solid is switched on

Heater on – Amber LED will pulse with demand and stay on with full load. Heaters should not run 100% all the time

Error – Red. Airflow fail, overheat trip, duct sensor fault

*Optional remote fault relay signal and airflow sensor, plug-in board. This will replace the Airflow Switch 604X and this can be done in our factory if requested. The part does add cost to the heater. (for very low air volume)*

*Optional remote fault relay signal board plugs into any AAH heater*

*An additional module can be supplied to control 3 phase fans*

*See link for supply and function of 3 phase fan controllers*

See website for ordering and prices.

The controllers meet the current EMC. EN61326-, EN55011, EN61000