



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

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

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

Supply Fan 1, maximum 650w @ 230v Fan terminals are temperature-controlled Supply Fan 2, maximum 650w @ 230v. Constant run

Duct Sensor, Thermistor Curve K 4.7K Ω 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. Heater should not run 100% all the time.

Error – red. Air flow fail, overheat trip, current fail, duct sensor fault.

Optional remote fault relay signal and air flow sensor, plugin board. This will replace the Air Flow 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 under wiring and spec and accessories for ordering and prices.

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

AAH/4 Single Phase Thyristor Temperature Controller

Max 9Kw (2x4.5Kw) @ 230v, maximum current 39amps

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

On/Off

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

Ove- 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. Constant run

Duct Sensor, Thermistor Curve K 4.7K Ω 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. Heater should not run 100% all the time.

Error – red- Air flow fail, overheat trip, current fail, duct sensor fault.

Optional remote fault relay signal and air flow sensor, plugin board. This will replace the Air Flow 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 under wiring and spec and accessories 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

Air Flow 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. Constant run

Duct Sensor, Thermistor Curve K 4.7K Ω 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. Heater should not run 100% all the time.

Error – red. Air flow fail, overheat trip, duct sensor fault.

Optional remote fault relay signal and air flow sensor, plugin board. This will replace the Air Flow 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 under wiring and spec and accessories for ordering and prices.

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

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

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

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

Air Flow 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. Constant run.

Duct Sensor, Thermistor Curve K 4.7K Ω 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. Heater should not run 100% all the time.

Error – red. Air flow fail, overheat trip, duct sensor fault.

Optional remote fault relay signal and air flow sensor, plugin board. This will replace the Air Flow 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 under wiring and spec and accessories for ordering and prices.

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

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

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

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