

AC - MINI

AC1000SE6

230V AC RELAY CONTROL ADDENDUM



INDEX

Section

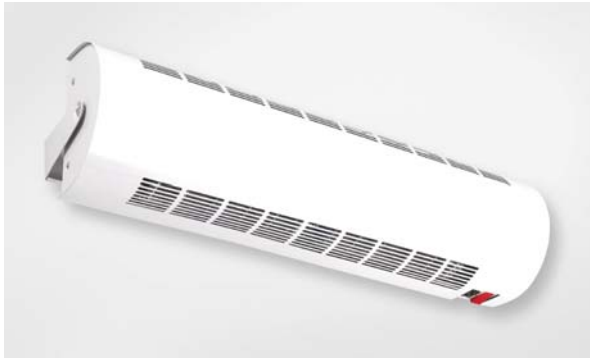
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WARNINGS

- 1 This appliance must only be installed by a competent person in accordance with the requirements of the Codes of Practice or the rules in force.
- 2 All external wiring **MUST** comply with the current IEE wiring regulations.
- 3 Warning this appliance must be earthed.

1. General Information.

Introduction



This addendum provides the installer with additional information required when fitting the Airbloc AC-Mini 1000SE6 6kW fitted with 230v AC relays to control the heat and fan functions. It should be used in conjunction with the existing AC mini instruction manual document reference **GB/AIR/005/0507**

General

All installations must be in accordance with the regulations in force in the country of use.

These instructions must be handed to the user on completion of the installation.

Installers and service engineers must be able to demonstrate competence and be suitably qualified in accordance with the regulations in force in the country of use.

Electrical

This unit is suitable for connection to 230/240V 50Hz supplies.

The AC1000SE6 has a full heating load of 6kW.

Warning

! For safety reasons a good earth connection must ALWAYS be made at the heater.

The unit must be wired in accordance with I.E.E regulations for the Electrical Equipment of Buildings and the installer should ensure that a suitable isolating switch is connected in the mains supply.

Health and Safety

Sole liability rests with the installer to ensure that all site safety procedures are adhered to during installation.

Sole liability rests with the installer to ensure that personal protective equipment is used during installation of the product.

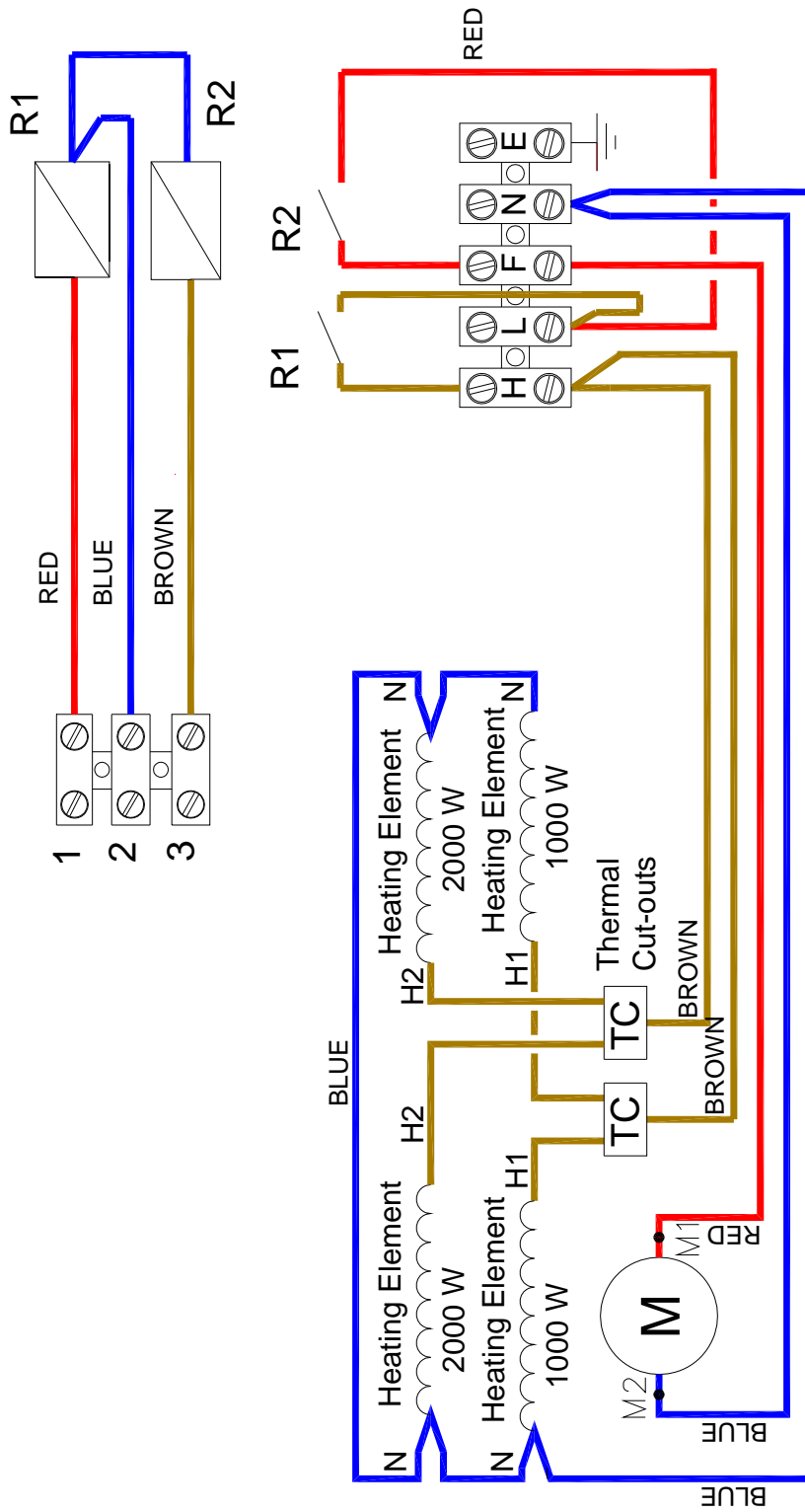
Do not rest anything especially ladders against the product.

Standards

Units conform to the European electrical standard BS EN 60335-2-30:1997 and to the following European CE directives. 73/23/EEC low voltage; 89/336/EEC and 98/68/EEC electromagnetic compatibility.

2. Wiring Instructions.

Diagram 1: AC1000SE6 6kW Internal.

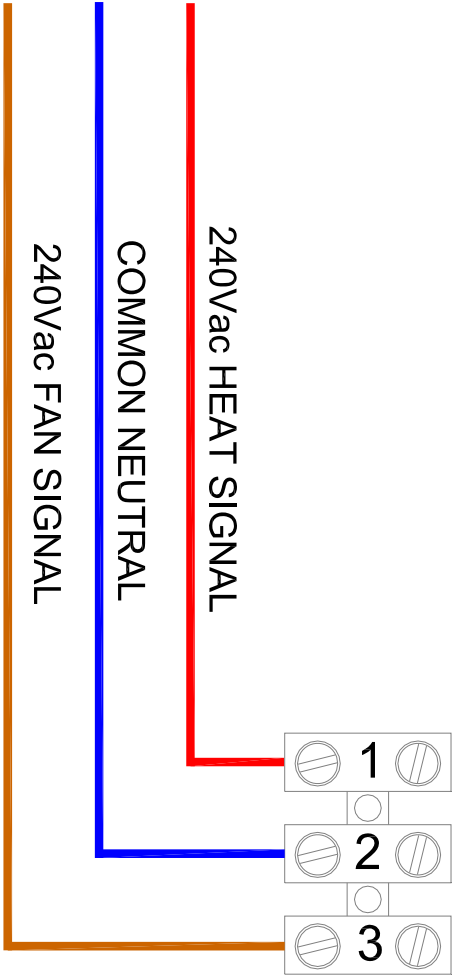


Wiring Instructions cont.

Diagram 2: AC1000SE6 6kW Installer wiring.

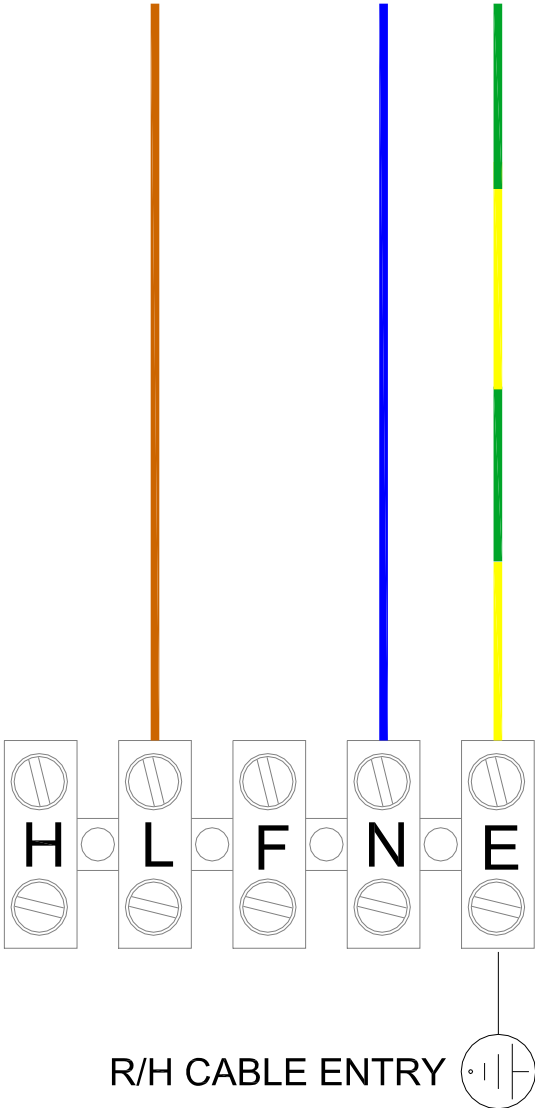
HEAT/FAN SIGNALS

230 v AC



L/H CABLE ENTRY

230V 1Ph SUPPLY



R/H CABLE ENTRY

Wiring Instructions cont.

1: Mains wiring.

The mains wiring should be routed through the right hand cable gland and connected to the terminals marked '**L**', '**N**' and '**E**'.
(See diagram 2, page 4).

2: Wiring heat and fan inputs.

The heat/fan signal cable should be routed through the left hand cable gland and connected to the terminals marked '**1**', '**2**' and '**3**', where:

1 = HEAT

2 = NEUTRAL


3 = FAN

(See diagram 2, page 4).

The air curtain is controlled from external 230v AC inputs to enable the fan only for ambient operation, or fan and heat for warm air operation. The inputs consist of two switching lives, and a common neutral. The inputs operate individual relays located on the air curtain chassis on the right hand side.

3: Wiring logic.

The input signals can be derived from a customer supplied BMS system, or suitable control panel.


 *The inputs **MUST** be wired so that if the heat setting is required, the fan must also be running.*

Failure to do so could result in overheating and possible damage to the air curtain.


3. Spares.

Suggested spares

The parts shown are in addition to the full spare parts list found in the AC-Mini instruction manual, document reference GB/AIR/005/0507.

 *Note: Any spare part components that are not approved by AmbiRad could invalidate the approval and the warranty of the appliance .*

Item	Description	Part No.	Item	Description	Part No.
	Relay (230v coil)	2104		30A Relay (230v coil)	102574

Item	Description	Part No.
	Relay base	2108

Notes.



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