



Fan Installation and Operation Manual

**Linea / Hayra / Duo
Inbuilt Appliances**



Supplied by:
Castworks Pty Ltd
12a Fiveways Boulevard
Keysborough VIC 3173

Warnings

Danger of Electrocutation: All electrical work must be carried out by a qualified electrician.

Note: All electrical components should be installed in an airy location away from hot parts

For access to the fan/installing the fan assembly into the heater go to page 7.

Note it may be easier to punch out the blanking plate before installing the heater – see page 9.

Important!

- Must be installed in accordance with electrical standard AS/NZS 3000.
- Must be installed to the manufacturers' specifications.
- A licensed electrician must install power supply.
- If the power cable is damaged, for any reason, do not use. Have the cord replaced immediately.
- A means for switching off the appliance for maintenance requirements is recommended.
- In all heat zones the wiring should be thermally insulated with the silicone sleeves provided.

The cable for power from the controller and the thermostat to the controller are both about 2.5m long. Both are made with a high-temperature rated silicon outer casing. If additional cabling is needed, once outside the heat zone your electrician can revert to standard cabling meeting the electrical specifications required.

Mount the control switch into wall, do not mount in wall above the heater or within 65mm from each side of the heater. Take care when removing the front plate using a screwdriver to pry apart in the slots provided.

Note the fan comes with the heat resistant silicon cables for wiring into the heated chimney breast area. The cabling for the 240V connection to mains is not included, as this is not in the heated area so no extra special requirement. Include an isolating switch before the 240V mains supply to allow disconnection if repairs are required.

Note: Include an isolating switch so that the power can be disconnected to the fan if any repair work is required.

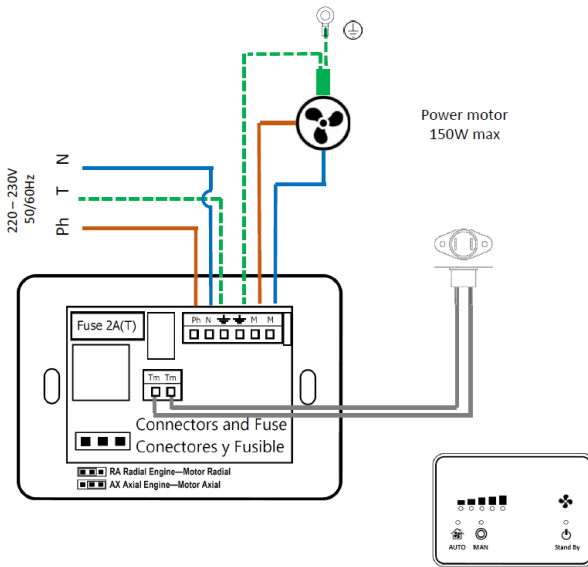


Warnings

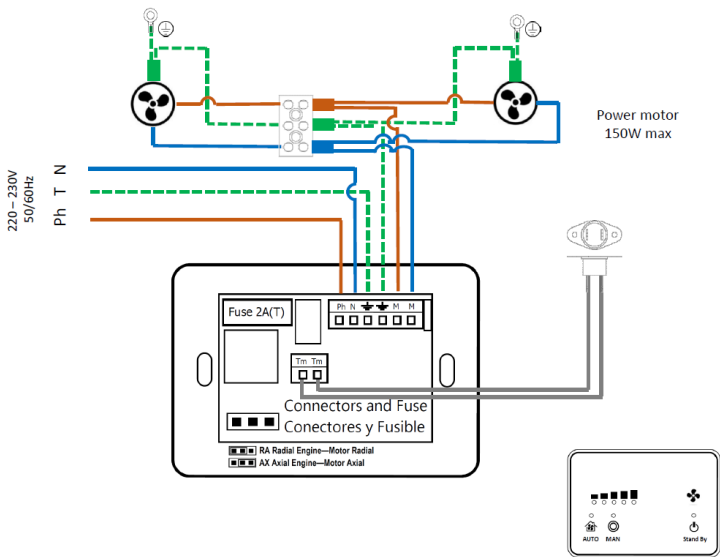
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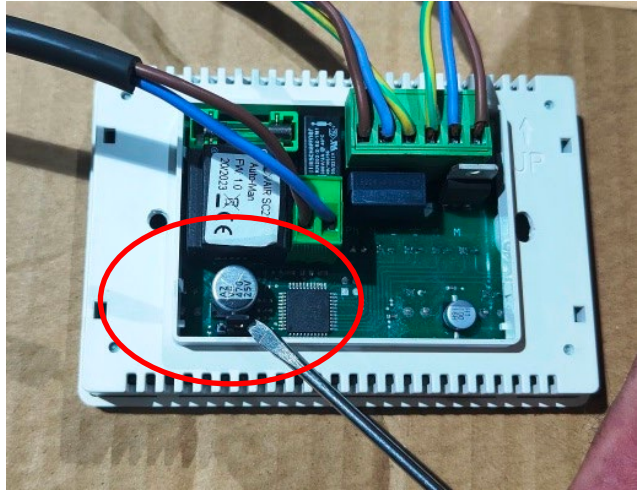
Electric circuit layout with Wall Mounted Controller- Single sided



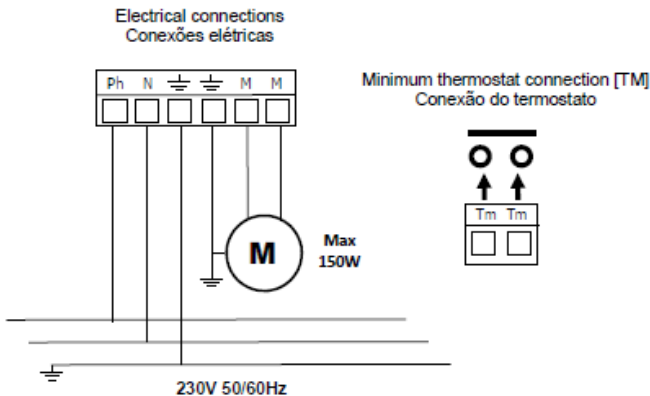
Electric circuit layout with Wall Mounted Controller- Double sided Duo



In the wiring diagrams above a connector or jumper is shown (Connector and Fuse) that must be in position AX, NOT position RA. That is, on the middle and RH pin, not the middle and LH pin. Position is marked as AX, and it should come like this from the factory but must be checked.
The Jumper and the correct position are shown below:



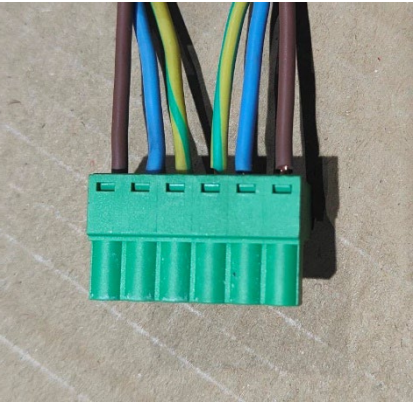
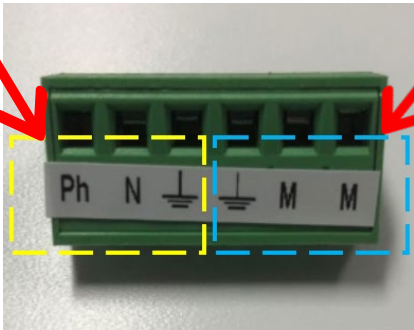
Basic wiring diagram:



Mains Supply "In"
Ph - Active (Phase)
N - Neutral
⏏ - Earth

Power to Fan "Out"
M - Active/Neutral
M - Neutral/Active
⏏ - Earth

Polarity is interchangeable

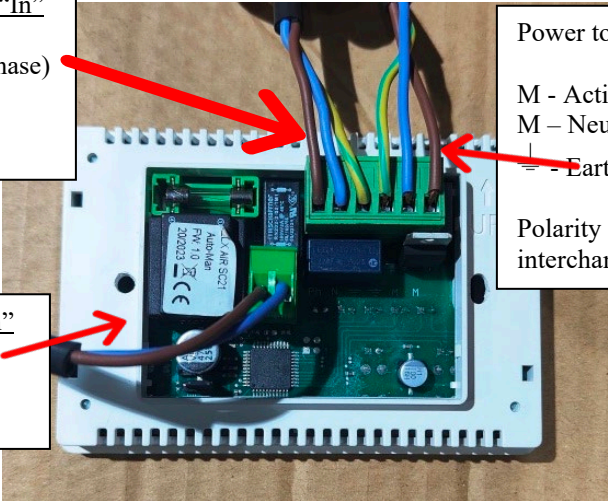


Mains Supply "In"
Ph - Active (Phase)
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Power to Fan "Out"
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Thermostat Cable "In"
Polarity is interchangeable.



Connect and test controller

The controller must be positioned away from vents or the heat source, where it won't get too hot and will read the ambient temperature.



To turn on the fan, press the Standby (On) button bottom right.

When the controller is first connected to the mains power supply, it will run the fan for 20 seconds as a self-test, then revert to the last setting speed or auto/manual setting.

For the manual setting, press the MAN key ○ (2 circles, one inside the other) to select the mode. Then press the button again to increment the speed from 1 (Low) to 5 (High) to select the speed. One of the 5 LED bars will be lit up showing the selected speed.

For the automatic setting, press the AUTO key ◡ (House with fan inside) to select the mode. Then press the button again to increment the speed from 1 (Low) to 5 (High) to select the speed. One of the 5 LED bars will be lit up showing the selected speed.

The motor will then start once the thermostat in the heater (below the base bricks) reaches a minimum of 50 degrees (so it does not blow cold air). In Auto the Fan will turn off when the thermostat drops below 50 degrees.

Even if the controller is switched to off; the fan will start automatically if the heater is hot, as a safety precaution so that the fan motor will not overheat. In this case the speed is number 3, or the middle bar.

Press the Standby button to turn the fan off.

INSTALLING THE FAN UNIT INTO HEATER

1. Remove ash retainer by lifting slightly, rotating forward and the pulling out diagonally.





2. Remove the vermiculite from the base



3. Undo the screws and remove the fan access cover.



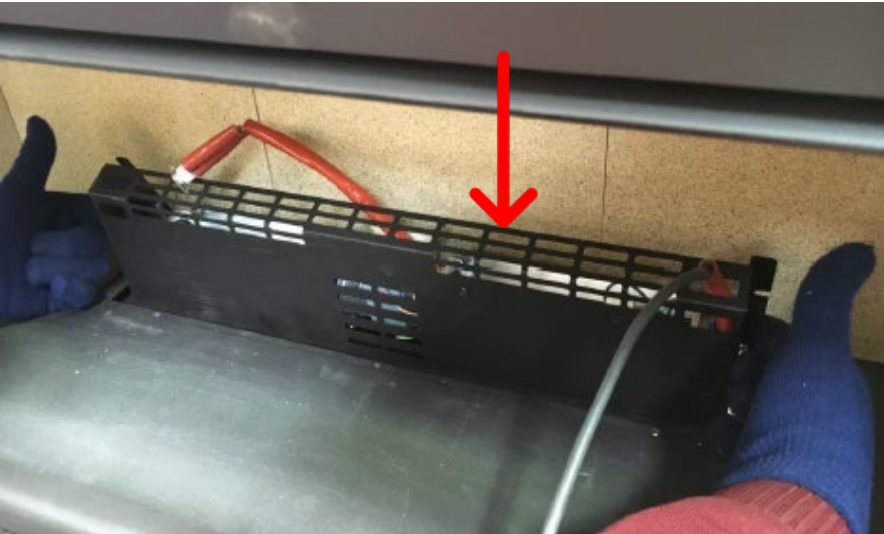
4. Remove the bottom plate from the outer body – This can be easier by doing it from the underside – i.e., lay the heater carefully on its back after removing the bricks.



5. Pass the electrical cables x 2 through the gap and feed to the wall mount controller.



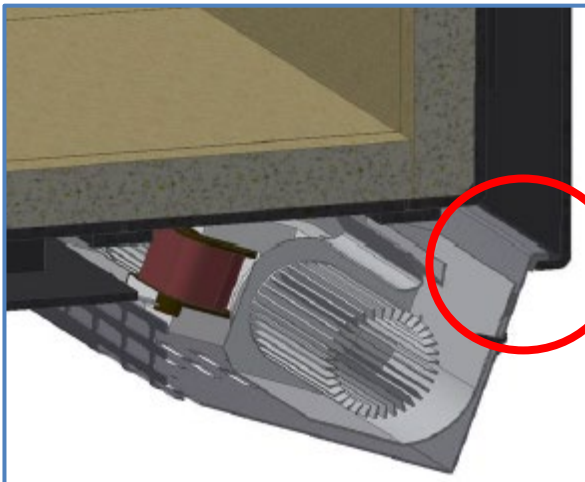
6. Now install the fan by slotting into the cut out, with the grill facing the front. Make sure that the glass tape is in position to dampen the vibrations.



Ensure there is NO Gap in the Top LH or RH side.



Must be as below, no gap in the top, right!



7. Fix the fan in position with two screws on each end.



8. Fit the thermostat to the underside of Fan access cover. You may need to pry the tabs up slightly.



Rotate the Thermostat under the tabs.



9. Wire up the fan to the controller and test before going further – see pages 2 to 6.

10. Replace the cover for Fan Access.



11. When inserting, ensure that the cabling is fixed in position so there is no way it can move to come in contact with the fan blades.



12. Screw the cover back into position.



13: Carry out the reverse of steps 1 to 3 to complete assembly.

<p>Imported By: Castworks, 12 Fiveways Boulevard, Keysborough, VIC 3173</p>	<p>Manufactured by: A.D.F. Lda. Z.I. Relvinha, Sarzedo A.P. 55 3304-909 Arganil-Portugal</p>
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