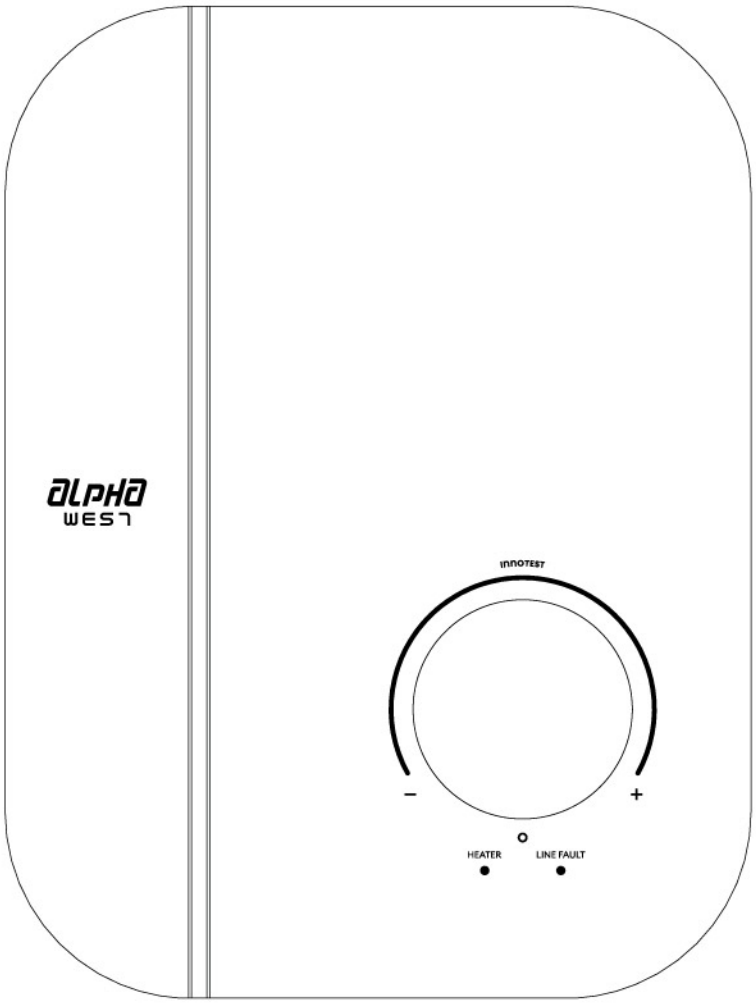
alpha WEST/N

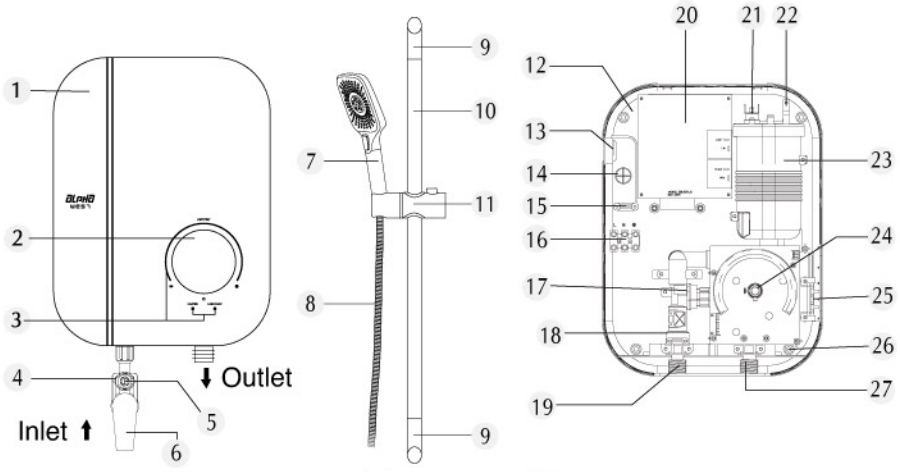


WA-AA07/C
Model : WA-AA08/C

(SINGAPORE)

ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H))
Booklet(½A4) 26.05.2026

PART DESCRIPTION: WES7/N-E SERIES HEATER



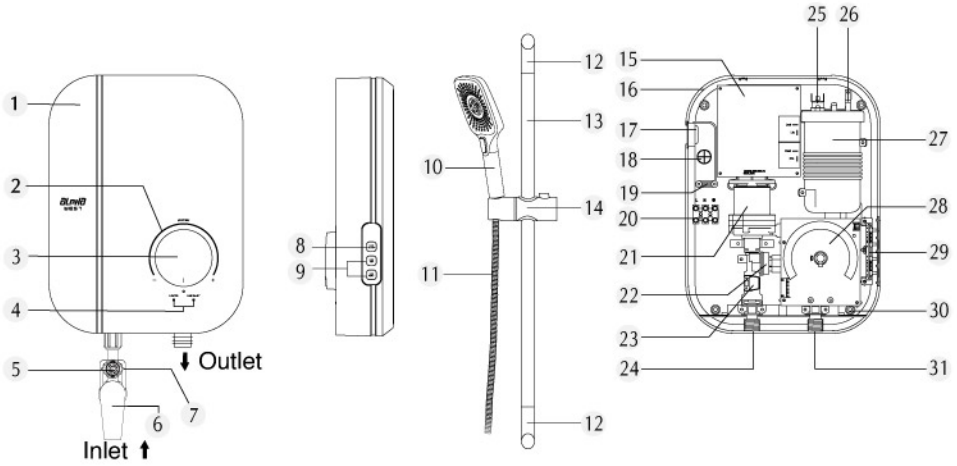
Model : WA-AA07/C
(WES7/N-E)

1. Heater Cover
2. Temperature Control Knob
3. Light Indicator
4. Water Filter
5. Water Regulator
6. Stop Valve
7. Hand Shower
8. Flexible Hose
9. Rail Support
10. Sliding Rail
11. Shower Holder
12. Heater Base
13. Side Cable Entry
14. Rear Cable Entry
15. Cable Clamp
16. Terminal Block
17. Triac
18. Flow Switch Assembly
19. Water INLET Connection
20. Built-in ELSD
21. Thermal Cut-out
22. Heating Element
23. Heater Tank
24. Electronic Control Unit PCB
25. TEST and RESET PCB
26. Heater Base Mounting Holes (4 Holes)
27. Water OUTLET Connection

* The shower accessories may look different from the picture shown in the manual as it is subjected to requirement from differents countries.

ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H)) Booklet(½A4) 26.05.2026

PART DESCRIPTION:



Model : WA-AA08/C
(WES7/N-i)

1. Heater Cover
2. INNOTEST Indicator
3. Temperature Control Knob
4. Indicator Lights
5. Water Regulator
6. Stop Valve
7. Water Filter
8. Pump On/Off button
9. TEST & RESET Button
10. Hand shower
11. Flexible Hose
12. Rail Supports
13. Sliding Rail
14. Shower Holder
15. Built-in ELSD
16. Heater Base
17. Side Cable Entry
18. Rear Cable Entry
19. Cable Clamp
20. Terminal Block
21. Pump Assembly
22. Triac
23. Flow Sensor Assembly
24. Water INLET Connection
25. Thermal Cut-out
26. Heating Element
27. Heater Tank
28. Electronics Control PCB
29. Pump ON/OFF, ELSD TEST & RESET PCB
30. Heater Base Mounting Holes (4 Holes)
31. Water OUTLET Connection

* The shower accessories may look different from the picture shown in the manual as it is subjected to requirement from different countries.

ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H))
Booklet(½A4) 26.05.2026

GENERAL INFORMATION

ELECTRICAL: ⚠ **WARNING: THIS APPLIANCE MUST BE EARTHED.**

1. All wiring and installation must conform to local regulations. If in doubt, always consult a qualified electrician.
2. Must engage competent and qualified electrician for installation.
3. The heater must be permanently connected to the electricity supply through a double pole linked switch having a contact separation of least 3mm in all poles incorporated in the circuit, and out of reach from the person using the shower.
4. Only fixed and permanent connection are allowed, plug and socket must not be used. In the case where a direct connection cannot be made to the water heater, only correctly sized approved connector and connection box shall be used.
5. For connection within the shower cubicle and below the ceiling, the connection box shall be IPX5 rated.
6. Correct size of wire conductor corresponding to different electrical loading should be used. Table 1 provides a reference for selecting the correct type of wire conductor.
7. RCD at the main switch board of the premise need to test at least once a month.

Voltage (V~)	Power (kW)	Amperes (A)	Recommended Conductor Size (csa)			Fuse/ MCB (A)	Double Pole Switch (A)
			mm²	Conduit Cable	Flexible Cable		
220 - 50/60Hz	3.5	16.0	4.0	7/0.85mm	56/0.30	20	20
	4.5	20.5	4.0	7/0.85mm	56/0.30	32	32
	5.5	25.0	4.0	7/0.85mm	56/0.30	32	32
	6.0	27.3	4.0	7/0.85mm	56/0.30	32	32
	6.5	29.6	6.0	7/1.04mm	84/0.30	40	40
	7.5	34.1	6.0	7/1.04mm	84/0.30	40	40
	8.0	36.4	6.0	7/1.04mm	84/0.30	40	40
230 - 50/60Hz	3.5	15.2	4.0	7/0.85mm	56/0.30	20	20
	4.1	17.8	4.0	7/0.85mm	56/0.30	32	32
	5.5	24.0	4.0	7/0.85mm	56/0.30	32	32
240 - 50/60Hz	3.8	15.8	4.0	7/0.85mm	56/0.30	20	20
	4.2	17.5	4.0	7/0.85mm	56/0.30	20	20
	4.5	18.8	4.0	7/0.85mm	56/0.30	32	32
	7.1	29.6	6.0	7/1.04mm	84/0.30	40	40
	9.5	39.6	6.0	7/1.04mm	84/0.30	45	45

Table 1: Electrical Loading Table

8. A typical electrical wiring connection is shown in diagram 1.

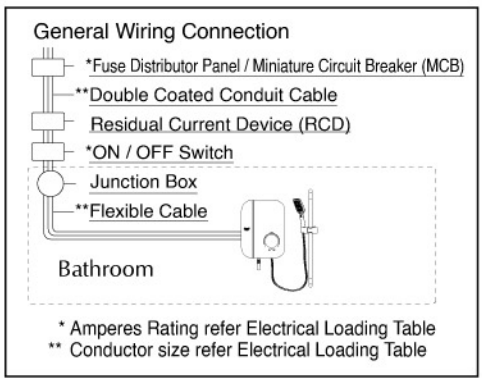


Diagram 1

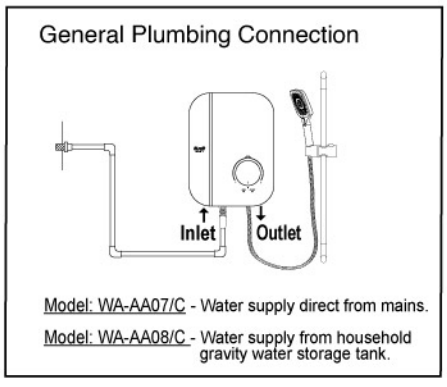


Diagram 2

ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H)) Booklet(½A4) 26.05.2026

GENERAL INFORMATION

WATER:

1. The heater operates at water flow rate of 2 litres/min. An incoming water flow rate of 5 litres/min or higher would enhance its performance.
2. A typical plumbing connection is shown in diagram 2.

SAFETY:

Note: An approved type of Residual Current Device (RCD) should be installed in conjuction with the water.

1. The built-in Earth Leakage Sensing Device (ELSD) will cut off the power supply to the heater in the event of current leakage of as low as 15mA.
2. Upon power on at mains, the heater will perform 5 seconds 'self-test' routine. If the ELSD is in proper working condition after the 'self-test', the INNOTEST indicator will light up BLUE and heater will be in power. If ELSD is faulty, its INNOTEST indicator will blink RED and power will be cut off from heater.
3. The built-in 'LINE FAULT' indicator will turn 'GREEN' light if wiring is done correctly. If improper electrical wiring is detected, the 'LINE FAULT' indicator will turn RED and Heater will unable to function.
4. The heater operates when there is sufficient water to trigger the Flow Sensor.
5. The Thermal Cut-out will automatically cut-off the power supply if there is abnormal rise in the water temperature during shower.
6. Heater casing designed to a high degree of protection (IP25), it prevents water from entering into the heater during shower.

WARNING:

1. Installation should be carried out by a qualified person.
2. The appliance is not intended for use with potable water supply.
3. If the INNOTEST and Line Fault Indicator indicate RED light, switch off the mains supply and contact a qualified electrician to check the electrical supply line (refer Page 9 for possible cause(s).
4. If the heater's ELSD trips during normal operation, switch off the mains supply and contact the service center for repair(s).
5. In the event if the heater malfunctioned, never attempt to repair the unit by yourself.
6. The water inlet of this appliance should be permanently connected to the water mains, not through a hose set, and must not receive water from any other water heating system.
7. The outlet point of this heater, hose, and hand shower acts as a vent. They must not be blocked, obstructed, or modified in any way. Fittings not recommended by the manufacturer must not be connected. The use of unapproved accessories may not only affect its performance and safety but also void the warranty.
8. If there is a sudden reduction in incoming water, the shower temperature will increase. This does not indicate a fault with the heater. Adjust the Temperature Control Knob (to reduce heating power) or the Water Regulator (to increase flow) to achieve the desired shower temperature.
9. Always test the water spray temperature with your hand before stepping into the shower.
10. This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or a lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
11. Children should be supervised to ensure they do not play with the appliance.
12. The new hose sets supplied with the appliance are to be used, and old hose sets should not be reused.

ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H)) Booklet(½A4) 26.05.2026

INSTALLATION PROCEDURES

WARNING:

- **All plumbing work must be completed before proceeding with the electrical wiring connection.**
- **The heater outlet must not be connected to any taps or fittings not recommended by the manufacturer.**
- **The water heater must be installed on a solid wall to avoid the possibility of distortion.**
- **The inlet and outlet connections of the heater must not be reversed.**

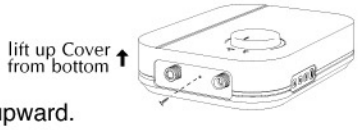
1. Decide the mounting position:

a) Turn off the water source.

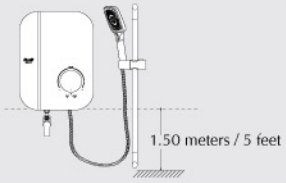
b) Remove the screw at the bottom of the heater.

c) Remove the heater cover by lifting the bottom upward.

d) Mark out 4 mounting points on the wall.



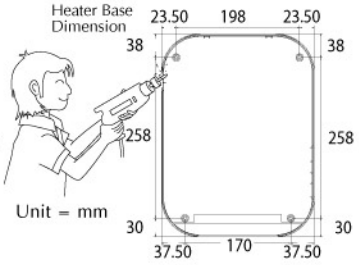
Note:
It is recommended that the bottom of the heater be mounted 1.50 meters (5 feet) above the bathroom floor. However, the installation height is at the user's discretion.



2. Mounting of the heater:

a) Drill the 4 holes with a 5.0mm diameter drill bit.

b) Insert the wall plugs and mount the heater to the wall using the provided screws.

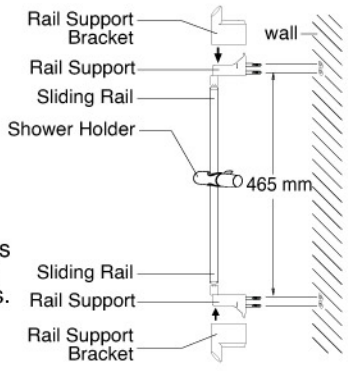


3. Shower Accessories Installation:

a) Fix the Shower Holder and Rail Supports (top and bottom) onto the Sliding Rail.

b) Mark the positions of the 2 holes for the Rail Supports, ensuring the top portion is level with or not higher than the top of the heater.

c) Drill the holes and mount the shower accessories using the provided wall plugs and screws. Insert the Rail Support Brackets onto the Rail Supports.



ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H))
Booklet(½A4) 26.05.2026

INSTALLATION PROCEDURES

4. Connection of Heater Inlet and Outlet:

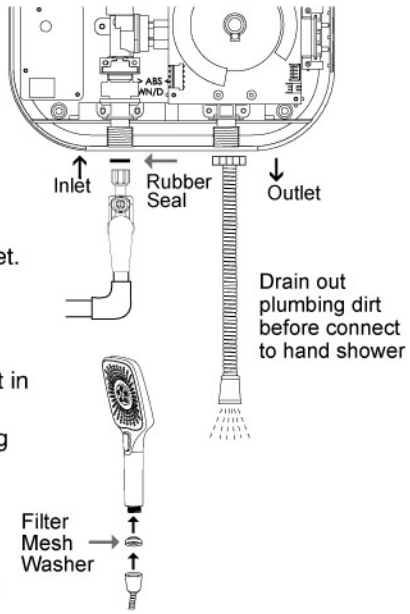
a) Connect the Stop Valve to the heater inlet using the provided rubber seal.

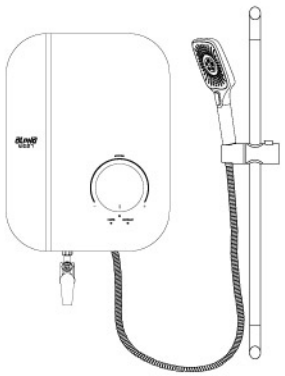
b) Connect the incoming water supply to the Stop Valve. If necessary, use sealing tape to prevent water leakage.

c) Connect the Flexible Hose to the heater outlet. (Do not connect the other end of the flexible hose to the hand shower at this stage.)

d) Turn on the water supply to flush out any dirt in the plumbing and to fill the heater tank. (This step will prevent damage to the heating element.)

e) Connect the other end of the flexible hose to the hand shower. Ensure that the Filter Mesh Washer is in place to prevent dirt from entering the hand shower.





Note:

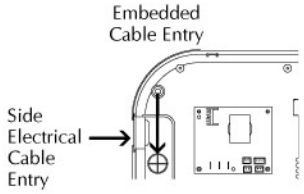
- **Do not apply excessive force when tightening any of the connections.**
- **Excessive force may damage the connector.**
- **Do not bend the Flexible Hose or install any accessories that could block the water flow at the water heater outlet.**

ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H))
Booklet(½A4) 26.05.2026

INSTALLATION PROCEDURES

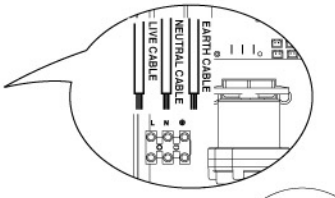
5. Electrical Connection:

WARNING:
- **Ensure the electrical mains are switched off before carrying out any electrical work.**
- **Do not use plugs, sockets, or undersized cables.**

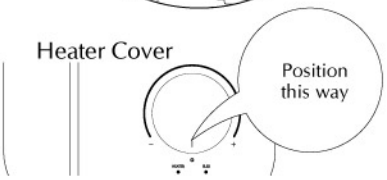


a) Insert the electrical cable through the rubber grommet for Side Entry or Wall-Embedded entry.

b) Connect the cable to the Terminal Block and fully tighten the connections as follows:

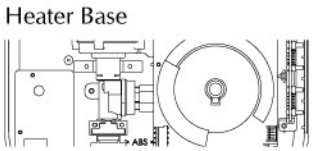


RED or BROWN ..... **LIVE (L)**
BLACK or BLUE ..... **NEUTRAL (N)**
GREEN/YELLOW or
YELLOW/GREEN ..... **EARTH (⏚)**



c) Installation of the Water Heater Cover:

i) To ensure the correct position, turn the Electronic Control Unit (located at the heater base) to the 'O' position (as shown in the picture).



ii) Install the heater cover and ensure that the Temperature Control Knob is aligned

iii) Secure the cover with the screw as shown.

6. Test Run Of Water Heater:

a) Turn on Stop Valve.

b) Switch on heater switch. The **'INNOTEST'** and **'LINE FAULT' indicator** will light up. **Proceed to step (c) if 'INNOTEST' indicator show blue light and 'LINE FAULT' indicator displays green light.**

WARNING:
Stop using the heater and check the wiring if 'INNOTEST' and 'LINE FAULT indicator displays RED light (refer page 9 for possible causes).

c) Turn on the Temperature Control Knob. The 'HEATER' indicator will light up. The water should be warm within a few seconds.

d) The water temperature will increase as the Temperature Control Knob is turned clockwise.

e) Check the built-in ELSD (Earth Leakage Sensing Device) as follows:
- Press the 'TEST' button. The unit should trip and cut off the power supply.
- Press the 'RESET' button. The unit should resume normal operation.

If the above steps are successful, the ELSD is functioning correctly.

ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H))
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OPERATING PROCEDURES

1. Switch on the water heater switch located outside the bathroom. The 'INNOTEST' and 'LINE FAULT' indicator would light up.

WARNING:
'INNOTEST' must indicate blue and 'LINE FAULT' indicator must indicate green. Otherwise the unit must not in use and contact agent for repair.

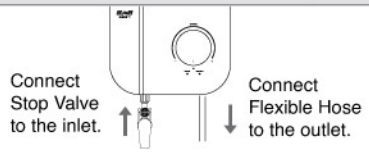
2. Turn on the Stop Valve. Adjust the Water Regulator for suitable water shower volume.
3. Turn on Temperature Control Knob. The 'HEATER' indicator would light up. The shower would get warmer as the Temperature Control Knob is turned clockwise from '-' to '+'.
4. Normal cold shower can be selected by setting the Temperature Control Knob to 'O' position.
5. Switch off the heater switch when not in use.

Note:

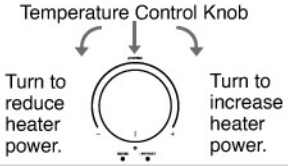
- **The shower water may not be hot enough even at '+' in areas where the water pressure is exceptionally high and cold. This can be remedied by reducing the water inflow or replacing the unit with one of higher power (if approved by relevant authorities).**
- **The built-in shower pump will recall last memory after turn on mains power and water. Pump can be turned on or off by pressing Pump On/Off Switch. Pump will auto-activate if water pressure is too low.(WA-AA08/C)**
- **It is recommended that the built-in shower Pump be operated in intervals of 30 minutes with 30 minutes rest in between.(WA-AA08/C)**

CUSTOMER GUIDANCE:

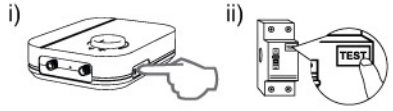
a) Connection of heater INLET and OUTLET:



b) Temperature Control Knob:

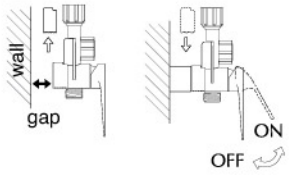


c) Safety Test: ELSD & RCD



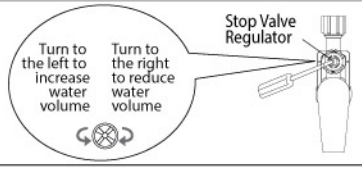
Check the heater's built-in ELSD (RCD) (i) and the premise RCD (ii) at least once a month.

d) Stop Valve:



Turn the valve to the "ON" position to allow water flow and to the "OFF" position to stop water flow.

e) Water Regulator:



Adjust clockwise to reduce water inflow if the shower temperature is not hot enough even at the 'MAX' power setting.

ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H)) Booklet(½A4) 26.05.2026

f) LINE FAULT INDICATOR: (Optional)

Red Warning Light shows if there is an improper electrical connection.

Possible Causes:

- Earth wire not connected to heater.
- Live and Neutral phases are reversed.
- Earth conductor not grounded (floating) or having high resistance to ground.

Warning: Improper earthing may results in malfunctioning to the RCD/ELCB. Never use the heater if there is doubt on the Earthing installation.

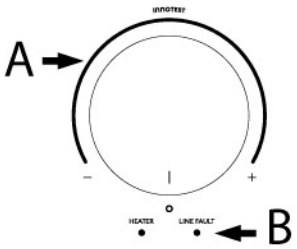
Green light indicates proper electrical connection.

g) ERROR CODE INDICATOR

Red Warning Light show if there is:

Error Indicator		Cause	Suggestion
A	B		
Red Flashing	Green Flashing	Current Leakage	1. Switch OFF and then turn the mains supply back ON. 2. If the problem persists, contact Alpha customer service.
Red Flashing	Not Lit	INNOTEST Failure	1. Contact Alpha customer service.
Red Illuminate	Red Flashing	Line Fault Failure	1. It is recommended that users have proper earth connected to water heater. (Refer to Installation Procedures at Page 6)
Red Illuminate	Red Illuminate	Live / Neutral wire inverted	1. Ensure Live / Neutral wire are connected correctly. (Refer to Installation Procedures at Page 6)
Red Illuminate	Green Illuminate	Low incoming water flow rate	1. Fully open the Stop Valve. (Refer to Customer Guidance at Page 7) 2. Clean Filter Mesh. (Refer to Maintenance at Page 10) 3. Ensure the incoming water supply is sufficient. (Refer to General Information at Page 3)
Red Flashing	Green Illuminate	Thermistor Failure	1. Contact Alpha customer service
Red Illuminate	Not Lit	Outlet temperature is more than 55°C	1. Drain the residual water to cool down the water temperature. 2. The error indicator will disappear when the water temperature drops below 42°C 3. If the errror persists, contact Alpha customer service.

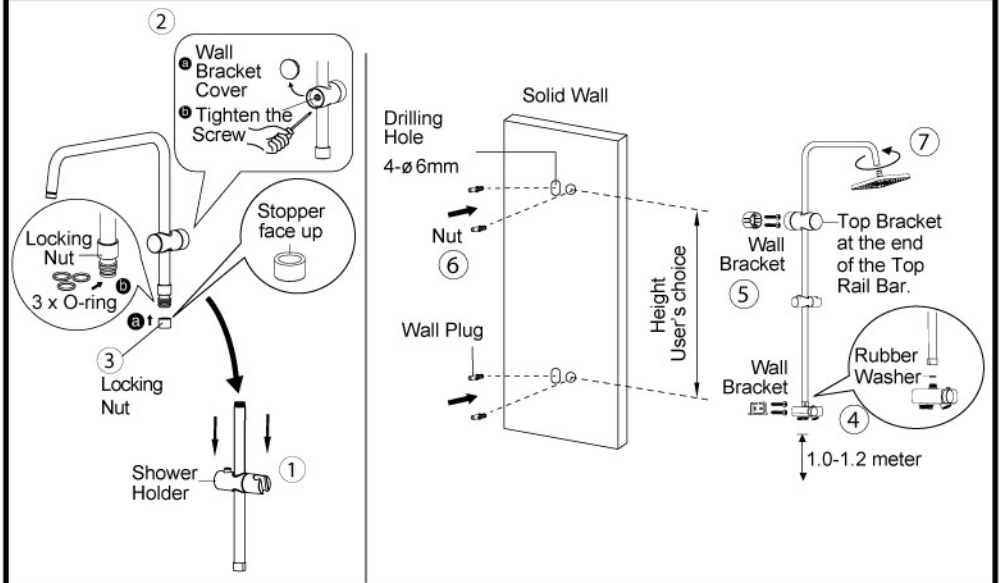
Contact Alpha customer service for repair if there is malfunction.

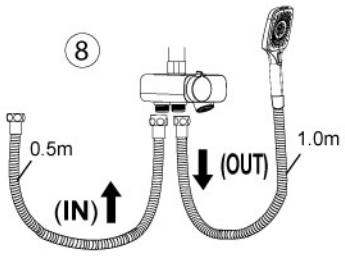


ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H)) Booklet(½A4) 26.05.2026

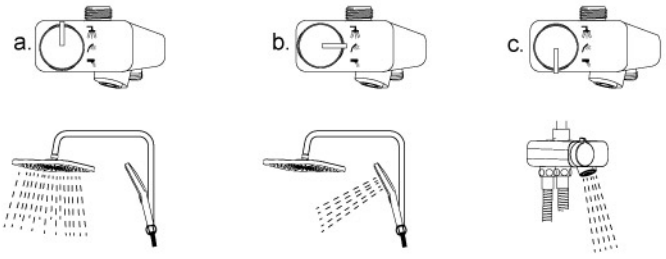
RAIN SHOWER:

Installation of Rain Shower Accessories (Optional Feature)





SHOWER MODE:



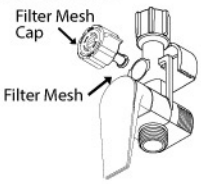
ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H)) Booklet(½A4) 26.05.2026

MAINTENANCE:

DO NOT USE THINNER, ALCOHOL OR PETROL

You may clean the heater with a damp cloth and mild detergent but do not use thinner, alcohol, petrol or any other corrosive solutions.

a) Stop Valve



b) Hand Shower

CLEAN THE FILTER REGULARLY

The filter should be cleaned whenever there is a sign of inlet water blockage.

a) Stop Valve

Remove Filter Mesh Cap. Flush it with water to remove any trapped sediments. Slot back to its original position before securing it with the Filter Mesh Cap.

b) Hand Shower

- Hand Shower need to be descaled regularly.
- Disconnect the hand shower from the hose. Remove Filter Mesh Washer and flush it with water to remove any trapped sediments. Re-connect the hand shower to the hose in its original position.

Note:

- Make sure to turn off the incoming water supply before the operation.
- This has to be done more regularly in area whereby the inlet water supply is dirty.
- The design of the Stop Valve may look different from the picture shown in the manual as it is subjected to requirement from different countries.

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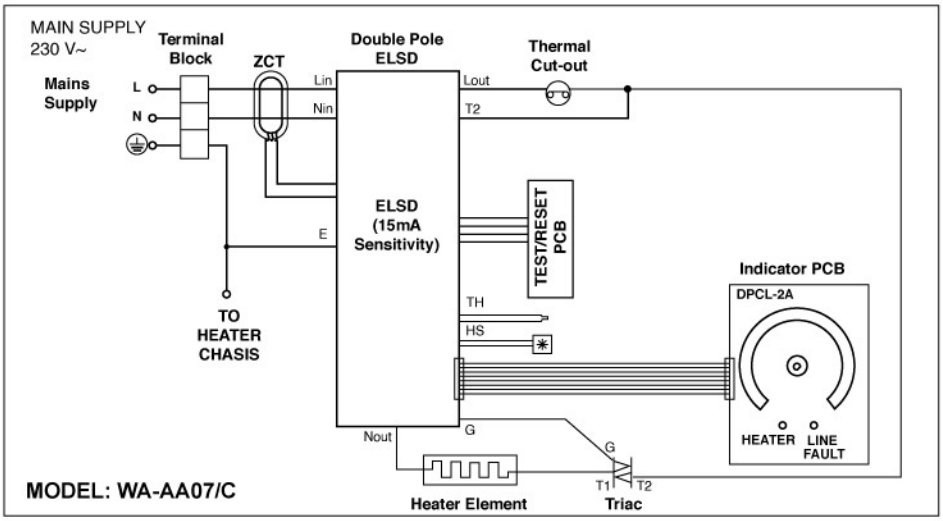
GENERAL INFORMATION

SCHEMATIC WIRING DIAGRAM



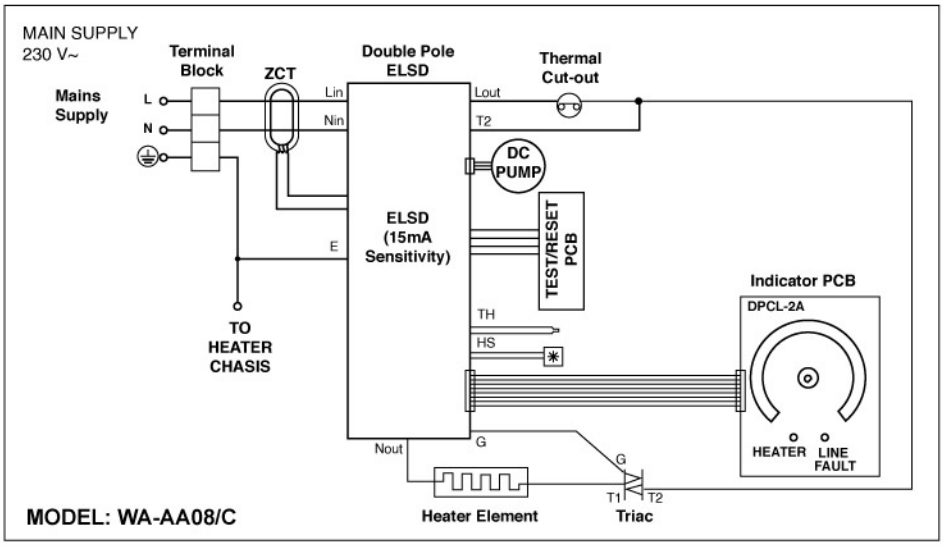
SPECIFICATIONS

Heater Power Rating	3.5kW 230V~ 50Hz
Water Connection	Ø 15.0mm (½" BSP)
Operating Condition	Open Outlet
Protection Against Electric Shock	Class I
Water Temperature Control	Electronics
Degree Of Protection	IP25
Minimum Flow Rate	2 litres / minute
Minimum Pressure	20kPa (0.2 bar / 2.9 psi)
Maximum Inlet Pressure	0.38MPa (3.8 bar / 55 psi)
Heater Dimension	326mm (L) x 245mm(W) x 85mm(H)
Heater Nett Weight	1.6kg

ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 (14.8cm(W) x 21cm(H))
Booklet(½A4) 26.05.2026

GENERAL INFORMATION

SCHEMATIC WIRING DIAGRAM



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Heater Dimension	326mm (L) x 245mm(W) x 85mm(H)
Heater Nett Weight	1.8kg

ALPHA WA-AA07/C,WA-AA08/C (S) H01A00231 26.05.2026

* The product specifications and shower accessories shown in this manual are correct at the time of printing and subject to change without prior notice.
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