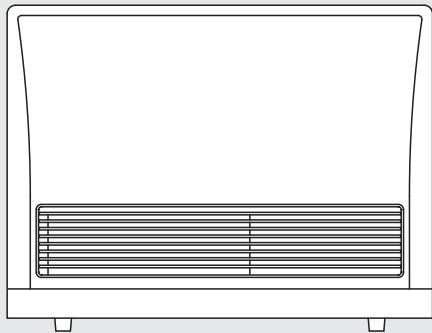


MODELS:

RHFE-559FDT3

RHFE-1005FDT3



NOTE

This product incorporates new flue block sensing technology.

The flue system installation instructions are enclosed with the flue terminal, packaged separately.

Energysaver - FDT Power Flued Gas Space Heater

Operation & Installation Manual

Rinnai

Congratulations on the purchase of your Rinnai Energysaver space heater. We trust you will have many years of comfort and enjoyment from your appliance.



BEFORE USING THIS APPLIANCE.

Before proceeding with the operation or installation of your new heater, please read this manual thoroughly and gain a full understanding of the requirements, features and operation of your new appliance.

This appliance must be installed in accordance with:

- Manufacturer's Installation Instructions
- Current AS/NZS 3000, AS/NZS 3500, AS/NZS 5601
- Local Regulations and Municipal Building Codes including local OH&S requirements

This appliance must be installed, serviced and removed by an authorised person. An authorised person will have the licensing and insurance required by the relevant state/territory gas regulating authority and will issue any necessary compliance certificates for work undertaken.

For continued safety of this appliance it must be installed and maintained in accordance with the manufacturer's instructions.



**The Australian
Gas Association**

All Rinnai gas products
sold in Australia are
A.G.A. certified.

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WARNINGS & IMPORTANT INFORMATION



READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and to ensure optimum performance.

Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in personal injury or death.

WARNINGS: Indicates a potentially hazardous situation which, if not avoided, could result in personal injury or death.

CAUTIONS: Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury or damage to the appliance. It may also be used to alert against unsafe practices.



REGULATORY INFORMATION

This appliance shall be installed in accordance with:

Manufacturer's Installation Instructions.

Current AS/NZS 3000, AS/NZS 3500 & AS/NZS 5601.

Local Regulations and Municipal Building Codes including local OH&S requirements.

This appliance has been certified by the Australian Gas Association. The A.G.A. Certification Number is shown on the data plate.

DO NOT MODIFY THIS APPLIANCE

You **MUST** read and understand these instructions fully before operating the heater.

Failure to comply with these instructions could result in a fire or explosion, which could cause serious injury, death or property damage.

Improper installation, adjustments, service or maintenance can cause serious injury, death or property damage. Such work must be performed by an authorised person.

Please keep this instruction booklet in a safe place for future reference. All dimensions referred to in these instructions are in millimetres, unless otherwise specified.



MANDATORY INSPECTION PRIOR TO INSTALLATION OR USE

Immediately report any damage or discrepancies to the Supplier of the appliance. This appliance was inspected and tested at the time of manufacture and packaging, and released for transportation without known damage. Upon receipt, inspect the exterior for evidence of rough handling in shipment. Ensure that the appliance is labelled correctly for the gas and electrical supply, and/or other services it is intended to be connected to.

For safety and warranty purposes, appliances that may be damaged or incorrect must not be installed or operated under any circumstances. Installation of damaged or incorrect appliances may contravene local government regulations. Rinnai disclaims any liability or responsibility whatsoever in relation to the installation or operation of damaged or incorrect appliances.



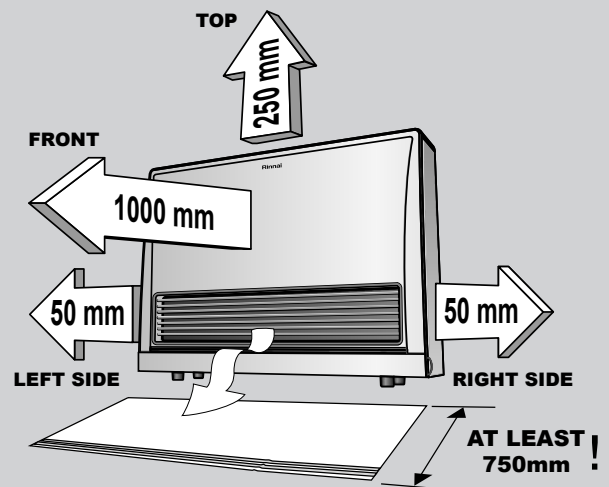
A NOTE ON ILLUSTRATIONS

The illustrations used in this manual are for explanatory purposes only and the shape of your unit may vary slightly from that which is shown in this manual.



GENERAL SAFETY WARNINGS

- Improper installation, adjustments, service or maintenance can cause serious injury, death or property damage. Such work must be performed by an authorised person.
- The appliance must be installed in accordance with the local gas and electrical authority regulations.
- Flue terminal must always vent directly to outdoors.
- **DO NOT** extend the flue vertically or horizontally in ways other than prescribed in the appliance manufacturers' flue installation instructions.
- For information on gas consumption, see data plate on the appliance.
- This appliance **MUST NOT** be installed where curtains or other combustible materials could come into contact with it. In some cases curtains may need restraining.
- Not intended for a fireplace insert, **DO NOT** build into bookcases or walls etc.
- The clearances shown **MUST** be maintained.
- Heat radiating from the front of this heater may over time affect the appearance of some materials used for flooring such as carpet, vinyl, cork or timber.
- This effect may be amplified if the air in the room contains cooking vapours or cigarette smoke.
- To avoid this possibility, it is recommended that a mat or similar protective sheet be placed in front of the appliance, extending for at least 750 mm.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children **MUST** be supervised when in the vicinity of this heater while it is in operation.
- If the supply cord is damaged or requires replacing, it **MUST** be replaced by the manufacturer or the manufacturer's agent or similarly qualified person in order to avoid a hazard.
- The heater **MUST NOT** be located immediately below a power point.
- **DO NOT** connect to an LPG Gas cylinder indoors.
- A dedicated 230V / 240V 50Hz earthed 10 Amp power point **MUST BE** used with this appliance.
- **DO NOT** modify this appliance. Modifying from original specifications may create a dangerous situation and will void your warranty.
- Only the flue components specified by Rinnai **MUST** be used.
- Unpack the heater and check for damage. **DO NOT INSTALL A DAMAGED HEATER.** If the heater is damaged, contact your supplier for advice.
- Before installing the heater, check the label for the correct gas type (refer to the data label at the rear of the heater). Refer to local gas authority for confirmation of the gas type if you are in doubt.



BEFORE YOU START

INSTALLATION REQUIREMENTS

This heater must be installed by an authorised person. The installation must conform to local regulations. The installation must also comply with the instructions supplied by Rinnai.

Service and removal must be carried out by an authorised person.

CERTIFICATION

The Rinnai Energysaver® range has been certified by the Australian Gas Association.

The AGA Certification Number is shown on the appliance data plate.

No parts or functions should be modified or permanently removed from the heater.

Please keep these instructions in a safe place for future reference.

FLUE INSTALLATION MANUAL

These instructions are to be used in conjunction with the Rinnai “Energysaver Space Heater Co-Axial Flue System Installation Manual” supplied with flue kits ESDFK or ESKIT03.

UNPACKING THE APPLIANCE

Check for damage and missing parts. If the heater is damaged or missing any parts, contact your supplier for advice.

Before installing the appliance, check it is labelled for the correct gas type (see label on the rear of heater).

Refer to local gas authority for confirmation of gas type if you are in doubt.

CARTON CONTENTS / ITEM CHECKLIST

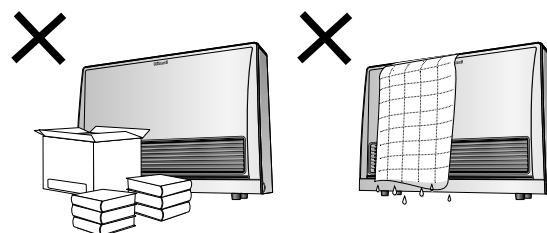
Ensure that the components listed are present before proceeding with the installation.

Check you have the following:			
1 x One of the following Rinnai Space Heaters			
RHFE-559FDT3			
RHFE-1005FDT3			
2 x Keys for lockable control panel door.			
1 x Rear Cover set, comprising of left, right and top cover panels			
1 x Bolt pack containing;	Part	RHFE-559FDT3	RHFE-1005FDT3
	Plastic inlet hose clamps	2	0
	Air intake baffle ring*	1*	0
	Large stainless steel sheath clamp	0	1
	Stainless steel sheath clamp	1	0
	Securing brackets	2	2
	8g x 32mm screws	2	2
	150mm long cable tie	1	1
	Flue lock clamp L	0	1
	Flue lock clamp S	1	1
	6g x 10mm button head screws	2	0
	6g x 8mm pan head screws	4	7
* This component is supplied with the RHFE-559FDT3 and is ONLY for use with direct flue kit ‘ESDFK’ installations. Refer to page 23 for installation details.			

OPERATIONAL SAFETY WARNINGS

DO NOT restrict the warm air discharge by placing articles in front of the heater.

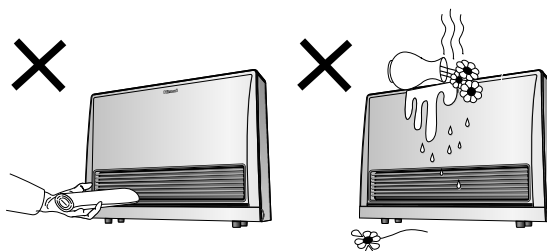
This appliance **MUST NOT** be used for any purpose other than heating.



DO NOT allow anyone to post articles through the louvres or let flammable and combustible materials to come into contact with the heater.

DO NOT place articles on or against this heater.

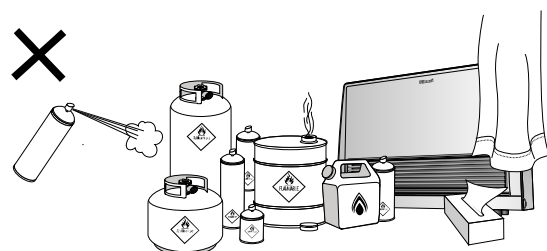
DO NOT place containers of liquid on top of the heater. Water spillage can cause extensive damage to the appliance and create an electrocution hazard.



DO NOT spray aerosols in the vicinity of this appliance while the heater is operating. Most aerosols contain flammable gas, which can be a fire hazard if used near the heater when it is in use.

DO NOT use or store flammable materials near this appliance.

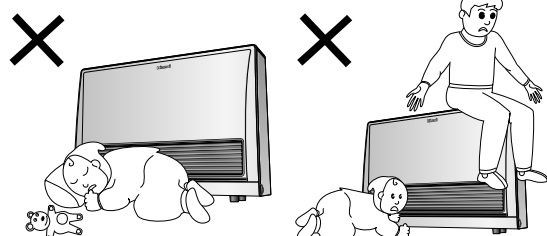
Combustible materials **MUST NOT BE** placed where the heater could ignite them.



Young children **MUST BE** supervised at all times. Hand or body contact with the warm air discharge louvres **MUST BE** avoided.

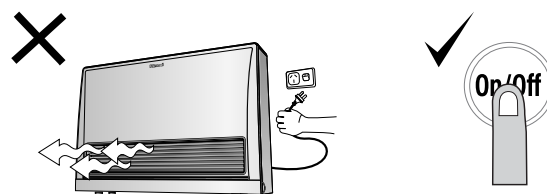
DO NOT allow young children or the infirm to sleep directly in front of the heater while in operation.

DO NOT allow anyone to sit on or lean against the appliance.



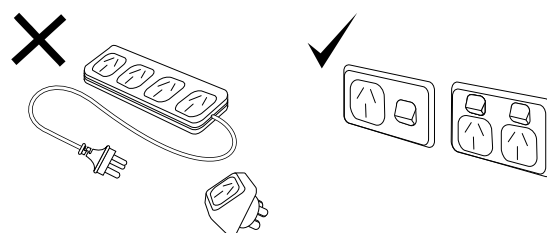
DO NOT unplug the heater while it is in operation or while the fans are still cycling.

DO Turn 'OFF' the heater when not in use.



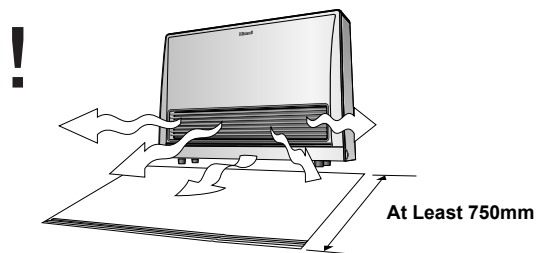
A dedicated 230V / 240V 50Hz earthed 10 Amp power point **MUST BE** used with this appliance. **DO NOT** use power boards or double adaptors to operate this appliance.

The appliance **MUST NOT** be located below a power point.



Heat emanating from the front of this appliance may, over time affect the appearance of some materials used for flooring such as carpet, vinyl, cork or timber. This effect may be amplified if the air in the room contains cooking vapours or cigarette smoke.

To avoid this possibility, it is recommended that a mat or similar protective sheet be placed in front of the appliance, extending for at least 750 mm.



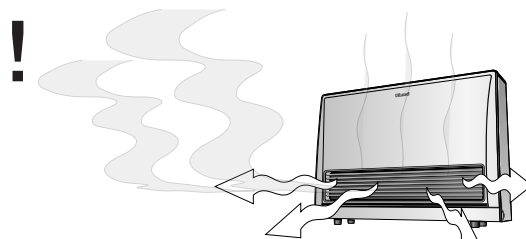
Keep flammable materials; trees, shrubs, etc. away from the flue terminal.

Snow Areas - in areas subject to heavy snowfall, keep snow clear of flue terminal at all times.



When the heater is operated for the first time or after long periods of non use, a slight odour may be emitted, this is normal.

However, if odours persist turn 'OFF' the appliance and contact Rinnai.



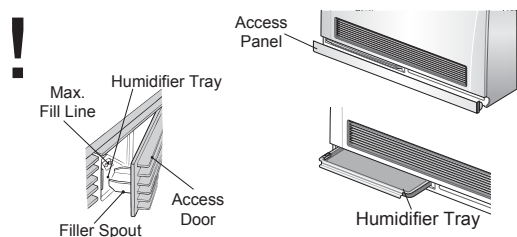
During peak operating periods the filters should be cleaned weekly. However, if the "FILTER" warning indicator flashes in the control panel display, turn 'OFF' the appliance immediately and clean filters before any further use.



This appliance is fitted with an integral humidifier tray that can be filled with water as required to raise the humidity level in the room for extra comfort.

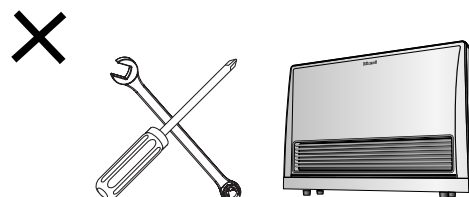
The integral humidifier tray should **NOT** be filled to more than 3/4 full, or more than the MAX Fill line when this is indicated.

Access panel / door and humidifier tray have to be fitted / closed while the heater is in use.



DO NOT modify this appliance.

This appliance **MUST NOT** be built-in, all clearances that are shown on page 5 **MUST** be maintained.



FEATURES

Room Sealed

Air for combustion is taken from the outside and the combustion products are exhausted to the outside. This means heater operation has no effect on the composition and quality of air in the room.

Push Button Ignition

Only one touch of the 'ON'/'OFF' button is required to operate the heater.

Child / Function Lock

Prevents children from altering heater settings whilst running, or from activating the heater when turned 'OFF'.

7 Step Automatic Heat Control

Selected temperature is controlled via thermostat. The optimum corresponding fan speeds are controlled by the Central Processing Unit.

Lockable Control Panel Door

A lockable Control Panel Door which is ideal for commercial use.

This feature is great for applications where safety is paramount or when the unit is required to be set once and left alone.

Two keys for the panel door are supplied with the unit.

Economy Mode

The economy mode function is an energy saving feature designed to control the room temperature and prevent discomfort from over heating.

Fixed Time Period Operation

The option to operate the appliance so that it automatically stops after a fixed time period is also available. This can be set between 1 to 12 hours in 1 hour increments. This feature can only be activated by a qualified person or trained Rinnai service person.

Fixed time period operation is ideally suited to classroom situations, clubs, meeting halls and other areas where a limit is required on the length of time the appliance operates.

The feature can provide substantial energy savings in cases where users are likely to forget to turn the appliance off when they leave the room.

If a power failure occurs at any time during operation, the appliance will remain OFF once the power is reinstated. The ON/OFF button must be pressed to re-ignite the appliance.

Filter Indicator

When the fan filters become covered with dust, the filter indicator will flash.

The filters should be vacuumed at regular intervals to avoid unnecessary strain on the appliance.

Humidifier Tray

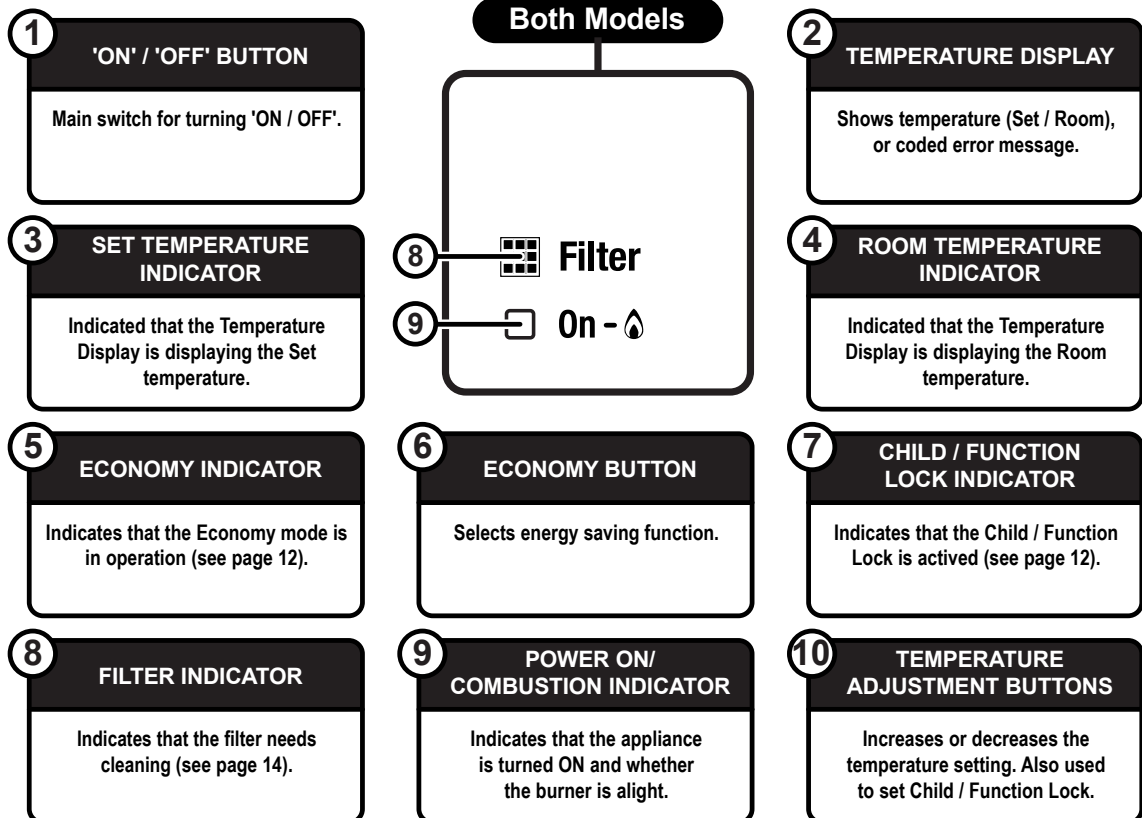
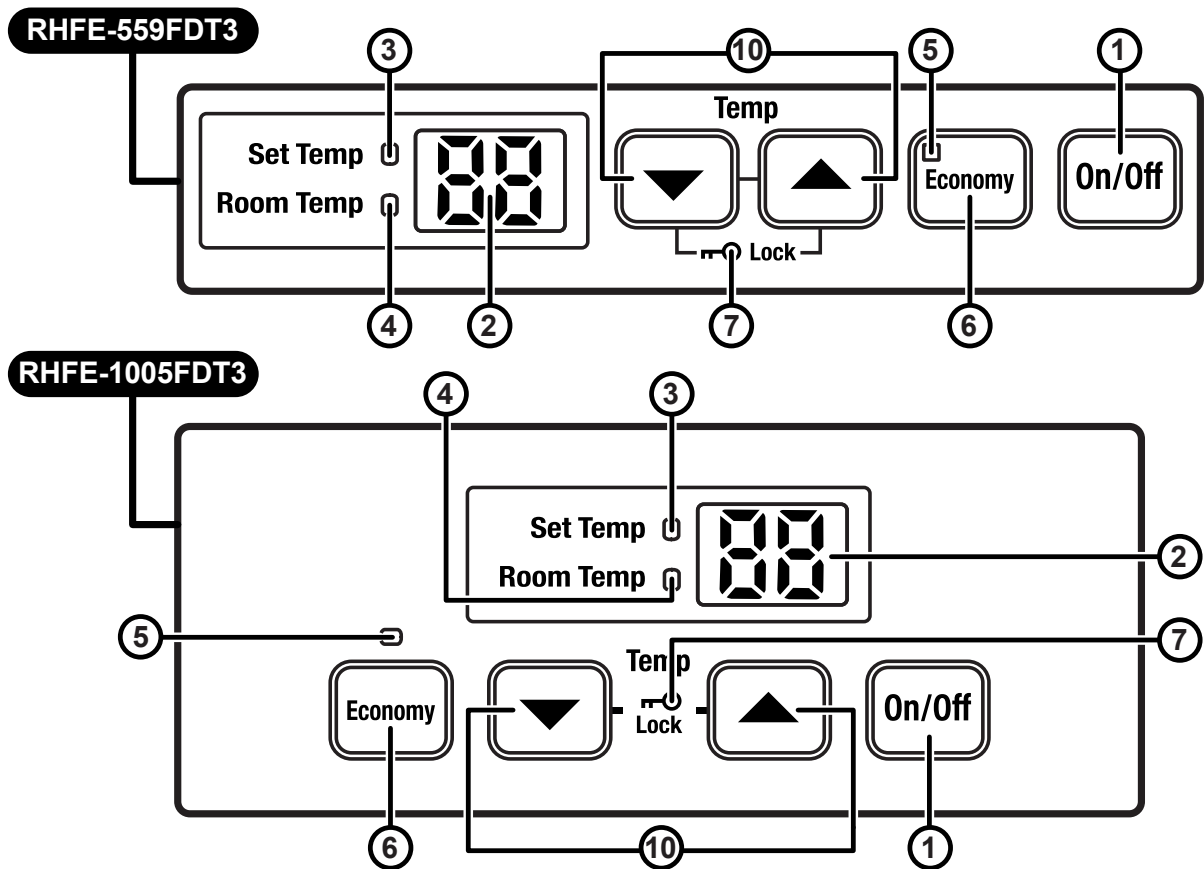
The integral humidifier tray can be filled with water as required to raise the humidity level in the room for extra comfort.

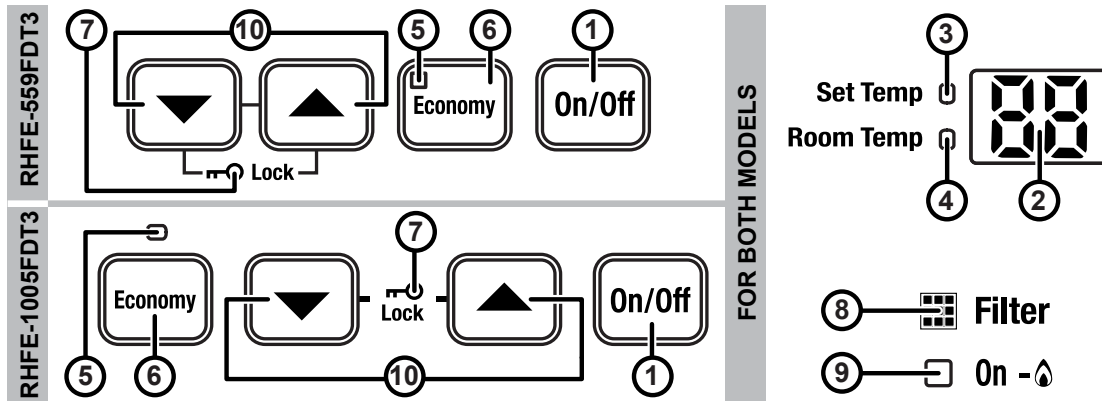
The integral humidifier tray should not be filled to more than 3/4 full, or more than the MAX Fill line when this is indicated.

Questions?

Contact Rinnai using the contact numbers listed on the back cover of this booklet for further advice.

CONTROL PANEL GENERAL LAYOUT





TO TURN THE UNIT 'ON'

Press the 'ON'/'OFF' button ① to operate the heater. The 'ON' indicator ⑨ will glow green. The spark generator will be heard before the burner ignites and the 'ON' indicator ⑨ glows red, indicating that the heater is alight.

When the heater warms up, the fan will automatically start.

If the heater does not ignite on initial use, this may be due to air remaining in the gas supply line. The spark generator will only continue for 15 seconds. After this it will be necessary to press the 'ON'/'OFF' button ① 'OFF', then 'ON' again.

Before a re-ignition can be attempted it will be necessary to press the 'ON'/'OFF' button ① 'OFF', then 'ON' again.

If the appliance still fails to ignite after 4 attempts, contact Rinnai as a service call may be required.

TO TURN THE UNIT 'OFF'

Simply press the 'ON'/'OFF' button ① to switch 'OFF' the heater. The 'ON' indicator ⑨ light will go out. The fan will continue to operate for several minutes after the burner has gone out in order to cool the appliance. Do not unplug the appliance while the fan is running.

ROOM TEMPERATURE ADJUSTMENT

The room temperature and pre-set temperatures can only be displayed and adjusted when the heater is running.

Press the "▲" button ⑩ to increase temperature setting or the "▼" button ⑩ to decrease temperature setting.

The temperatures can be preset to:

- (a) [L] - Temperature is controlled at set temperature "Low".
- (b) [16°C] to [26°C] in 1°C steps - thermostatic control to preset temp selected. Combustion rate varies as required to maintain the selected temperature.
- (c) [H] - continuous combustion on 'High'.

When adjusting the set temperature the Set Temp indicator ③ glows green indicating that the display ② is showing the Set temperature. Once a temperature is set, it will be stored in the memory. Display ② reverts to showing the Room Temp after 10 seconds.



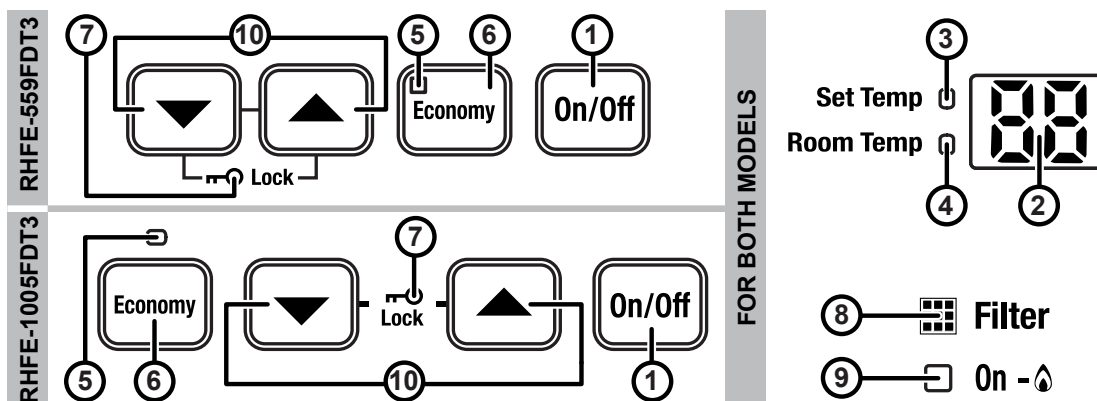
Room temperature on the Temperature Display ② may vary slightly from the actual room temperature.

If the heater does not ignite then the pre-set temperature may not be at a setting which is higher than the room temperature.

The 'ON' indicator ⑨ will change colour from red to green when the heater reaches the pre-set temperature and stops running.

The display will dim approximately 10 seconds after the last control input.

The display is also dimmed while the appliance is operating.



ECONOMY MODE

The economy mode, when selected, can prevent discomfort from over heating and reduce gas consumption. Once a room has reached the desired temperature, the unit will automatically begin reducing the set temperature gradually. This reduction is normally not noticeable. However, it is purely your choice whether to select this mode.



Room temperature may not decrease in some cases, this is depending on room style, location of the appliance and the temperature outside the room.

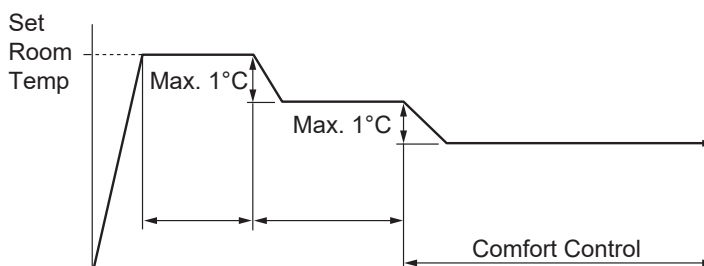
The economy mode can only be operated when the heater is turned 'ON', but remains in the system memory until deactivated.

The economy mode will not operate when the set room temperature is less than 16°C or is above 26°C.

How it works :

After a room reaches the set temperature, the set room temperature will decrease 2 times automatically, each time, dropping by a maximum of 1°C in 30 minute blocks. From the second cycle onwards, the comfort control will automatically operate. (The comfort control alters combustion and fan speed more frequently to counteract the feeling of cold air).

The Economy function will not operate when the set room temperature is less than 16°C or above 26°C.



1. Press the Economy button (6) to start the Economy function. The Economy indicator (5) will glow.
2. Press the Economy button (6) once more to switch 'OFF' the economy function.



When the Economy function is operating, the current room temperature may be shown as being lower than the set room temperature, however, this is normal.

CHILD / FUNCTION LOCK

The Child / Function Lock function will help to prevent accidental operation as well as prevent small children from altering the controls. To operate the Child / Function Lock simply press both the "▲" and "▼" buttons (10). The function is activated immediately and the Child / Function Lock indicator (7) will glow green.

To deactivate the Child / Function Lock simply press both the "▲" and "▼" buttons (10) for 2 seconds and the Child / Function Lock indicator (7) will go out. The Child / Function Lock can be deactivated at any time in this way.

During normal operation the Child / Function Lock may be activated and all controls, other than the 'OFF' switch, will be locked. Deactivating the Child / Function Lock releases the controls. If the Child / Function Lock is activated whilst the heater is turned 'OFF', then all functions will be locked. If the heater is turned 'OFF' while the Child / Function Lock is activated, it cannot be turned 'ON' again until the Child / Function Lock is deactivated.

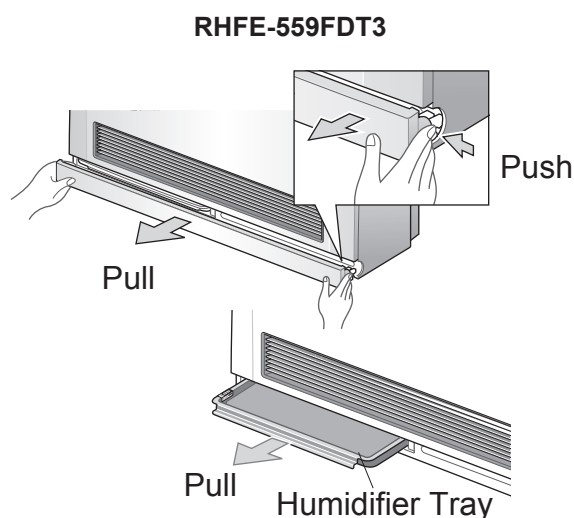
FAN OPERATION

The fan turns 'ON' automatically when the heat exchanger warms up and turns "OFF" when it cools down. This helps to prevent cold draughts and maximises efficiency.

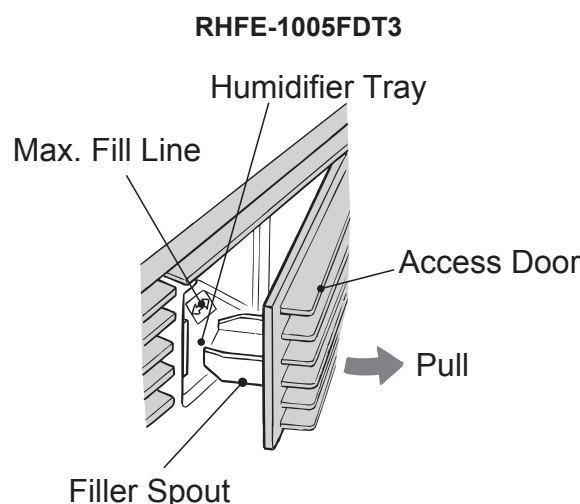
ADDITIONAL OPERATION INFORMATION

HUMIDIFIER TRAY

Your heater is fitted with an enamelled tray behind the air outlet so that you can humidify the air. To fill the tray, open the access panel / door as shown in the diagrams below and pour water into the tray using the spout built into the access panel. The air will be humidified as it passes over the water in the tray.



Replace panel during operation.



DO NOT force door open too far.
Close door during operation.



DO NOT FILL THE TRAY OVER 3/4 FULL.

HUMIDIFIER TRAY MAY BECOME HOT!

DO NOT FILL THE HUMIDIFIER TRAY WHILE THE HEATER IS IN OPERATION.

DO NOT fill the humidifier tray for at least 5 minutes after the heater stops operating.

DO NOT operate the heater without the humidifier tray in place.

If you notice water in the humidifier tray, but have not placed any there do not be alarmed, this is normal. Due to the high efficiency of Energysaver heaters, water in the form of condensate is accumulated in the flue system which drains into the humidifier tray.

If the humidifier is in use, it will need filling typically about once a day during the heating season.

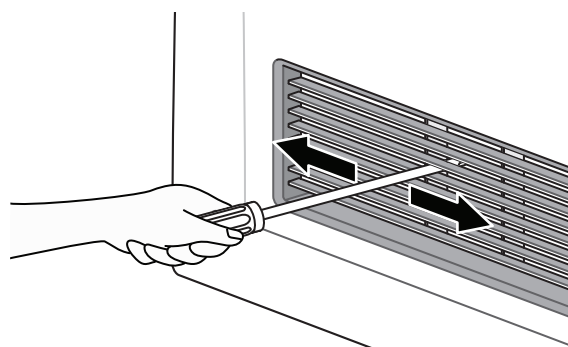
VERTICAL LOUVRE ADJUSTMENT

The warm air flow direction may be altered by carefully inserting a screwdriver or similar tool and gently bending the vertical louver(s) either to the left or the right.



DO NOT attempt to bend the horizontal louvres.

The vertical louvres are not designed to be adjusted more than 6 times.



OUTSIDE FLUE TERMINAL

On cold days steam may be discharged from the flue terminal. This is normal with high efficiency appliances such as the Energysaver range and does not indicate any fault.



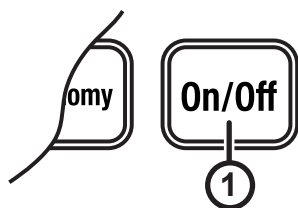
The heater and its flue must be installed correctly by an authorised person, and the installation must conform to all local regulations. The installation also must comply with the instructions supplied by Rinnai.

This heater must be serviced, installed and removed by an authorised person.

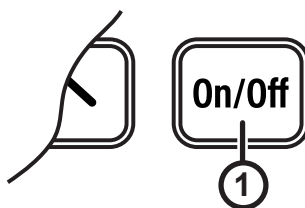
No parts or functions should be modified or permanently removed from the heater or its flue.

CARE & MAINTENANCE

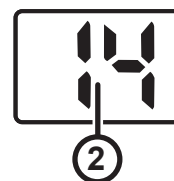
RHFE-559FDT3



RHFE-1005FDT3



BOTH MODELS



CLEANING

Your heater needs very little maintenance, however the following information will help you keep it looking good and working efficiently.



Unplug electrical cord before cleaning.

All parts of the heater can be cleaned using a soft, damp cloth and a mild detergent.

DO NOT use solvents or abrasives to clean any parts or surfaces.

DO NOT attempt to clean the heater while the appliance is hot or operating.

HUMIDIFIER TRAY

If the humidifier tray gets dirty, wash in warm soapy water. With the heater cold, remove the lower cover panel and pull out the humidifier tray from the appliance. If there is water in the tray, keep the tray level to avoid spilling.



The RHFE-1005FDT3 has a fixed humidifier tray that is NOT removable.

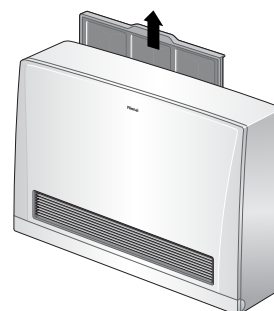
FAN FILTER(S)

To protect the appliance internals from dust particles or lint, a filter(s) is situated at the rear of the heater. If the filter(s) becomes blocked, the Filter indicator (8) will flash to indicate that it should be cleaned.

Clean the filter(s) weekly during the heating season as dusty or clogged filters reduce the air flow through the appliance reducing heating effectiveness.

To remove the filter(s) for cleaning pull straight up and out from appliance, note that the RHFE-1005FDT3 has two filters.

If the filter(s) becomes blocked during heater operation and requires cleaning, the 'ON' indicator (9) will flash and the Digital Display (2) will show error code 14.



DO NOT remove or attempt to clean filter(s) while the appliance is in operation.

DO NOT use the heater with the Filter indicator (8) flashing as this may cause overheating.

DO NOT wait for the Filter indicator (8) to flash before cleaning filter(s). If you do not clean the filter(s) at regular intervals or the Filter (8) indicator is allowed to remain flashing, then the appliance will stop. You **MUST** clean the filter(s) before operating the heater again.

CLEANING THE FAN FILTER(S)

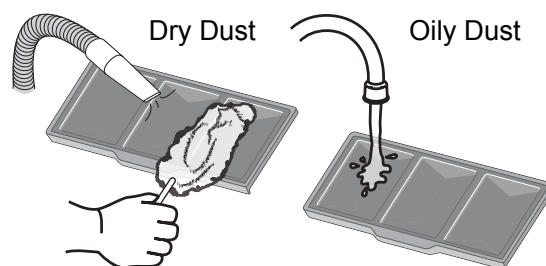
Dry dust / lint: Use duster or vacuum to remove dust.

Oily dust / lint: Wash the fan filter(s) with a mild detergent. Drain off the water and dry the filter(s) before returning to the appliance.



Return Fan Filter(s) to the appliance after cleaning.

DO NOT attempt to operate the appliance without filter(s) in place.



FLUE TERMINAL



Regularly check the outside flue terminal to make sure it is clear from plant growth and from other obstructions. Refer to "SAFETY" on page 7 for additional requirements.

SAVE A SERVICE CALL

Before asking for a service call please check the following table as these characteristics are part of the normal operation of the appliance and do not indicate a fault.

CHARACTERISTIC	EXPLANATION
At ignition	
Warm air does not start when the burner lights. ➡	The fan is started automatically after a short delay. This is to allow the heat exchanger to warm up, helping to avoid cold draughts.
Smoke or strange smells are produced on the first up operation after installation. ➡	This is caused by grease, oil or dust on the heat exchanger when new. This will stop after a short time.
Sharp clicking noises at ignition, or when the unit thermostat modulates to a lower or higher setting, or shuts down. ➡	This is simply expansion and contraction noise from the heat exchanger and is normal.
During combustion	
Clunking noise when the thermostat operates ➡	This is the sound of the solenoid gas valves opening and closing to regulate the gas flow and is normal.
When the appliance is turned off	
Convection fan continues to run after turning off. ➡	This is to remove residual heat from the heat exchanger and stops once the appliance cools.
Other points	
Steam is discharged from the flue terminal. ➡	High efficiency appliances tend to discharge water vapour on cold days. This is normal.
Heater does not start when the ON button is pushed. ➡	Room temperature may be higher than the set temperature, increase set temperature if desired.
Heater stops operation when the thermostat is set to the High (H) setting. ➡	Check that the appliance On / Off button is ON. Room temperature is higher than that achievable by the appliance.

SERVICE

This appliance does not contain user serviceable parts and **MUST ONLY** be serviced and repaired by an authorised person. If the power supply cord or any other component of the heater are damaged, they **MUST BE** replaced by Rinnai or a suitably qualified person.

Rinnai has a Service and Spare Parts network with personnel who are fully trained and equipped to give the best service on your Rinnai appliance. **Rinnai recommends that this appliance be serviced every 2 years.** If your appliance requires service, please call our National Help Line (contact numbers for which are on the back cover of this manual).



Service calls for general cleaning, maintenance and wear and tear are not necessarily covered under the warranty. Service calls of this nature may be chargeable.

Faults caused by insufficient gas supply, gas quality, installation errors or operation errors are not covered by the Rinnai warranty. Refer to separate Warranty Manual for details.

TROUBLE SHOOTING CHECKLIST

Use the following chart to help determine whether a service call is required, however if you are unsure about the way your heater is operating, or if you have any other faults or problems, please refer to your installer or a Rinnai Customer Care Centre Consultant. See back page for Rinnai contact details.

Probable Cause	Fault Condition						Simplest Possible Remedy
	No Power ON	Burners fail to ignite	Unusual Combustion	Combustion Stops	Smell of gas	Noisy Ignition	
Not plugged in or turned off	●	●					Plug in power cord and press On/Off ① button.
Mains power failure	●	●		●			Re-start manually after power is restored.
(Initial Install) Air in gas pipe		●					Installer to purge air from gas supply.
Gas filter obstructed		●	●				Service Call (contact Rinnai).
Ignition failure	●	●					Check the Operation Instructions.
Flue terminal obstructed			●	●		●	Clear the obstruction.
Flue manifold disconnected					●	●	DO NOT use heater, Service call (contact Rinnai).
Louvre obstructed				●			Clear the obstruction.
Air filter blocked				●			Clean filter page 14
Gas escape					●		Turn OFF gas supply at the meter / cylinder. Service call (contact Rinnai).
Gas supply turned off		●					Turn gas supply on at the meter / cylinder.
Child / function lock set		●					Cancel Child / function lock page 12

ERROR CODES

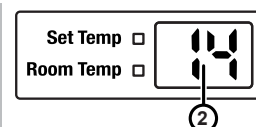


In all cases, you may be able to clear the Error Message simply by turning the heater 'OFF', then 'ON' again.

If the Error Message still remains or returns on the next operation, contact Rinnai or your nearest service dealer and arrange for a service call.

The Energysaver range of heaters has the ability to monitor its own operation continuously. If a fault occurs, an Error Message will flash on the Digital Display ② on the control panel. This assists with diagnosing the fault, and may enable you to overcome a problem without a service call.

BOTH MODELS



Please quote the code displayed when inquiring about service.

Code	Probable Cause	Suggested Remedy
11	Ignition failure	Check gas supply is turned on, turn the heater 'OFF' and then 'ON' again. If the error persists a service call will be required.
12	Flame failure	Check gas supply is turned on.
14	Filter blockage / overheat	Clean filter(s). If the error persists a service call will be required.
16	Room overheat	Lower room temperature to less than 40°C.
30	Overheat temperature sensor faulty	A service call will be required.
31 - 32	Room temperature sensor faulty	A service call will be required.
33 - 35	Overheat temperature sensor faulty	A service call will be required.
40	Sensor tube failure	Owner/Operator: A service call will be required. Installer: Confirm that the commissioning has been completed in accordance with both the installation and the commissioning instructions. Ensure that the pressure check tube is not blocked, pinched or crushed. If the error persists a service call will be required.
49	Sensor breakdown	A service call will be required.
53	Spark sensor faulty	A service call will be required.
61	Combustion fan faulty	A service call will be required.
62	Convection fan faulty	A service call will be required.
70	Faulty 'ON/OFF' switch	A service call will be required.
71	Faulty solenoids	A service call will be required.
72	Flame detection circuit fault	A service call will be required.
73	Communication error	A service call will be required.
81	Faulty solenoids	A service call will be required.
99	Flue terminal blocked	Owner/Operator: Check that the flue terminal is free of any obstructions. If the error persists a service call will be required. Installer: Confirm that the commissioning has been completed in accordance with both the installation and the commissioning instructions. Check that the flue terminal is free of any obstructions. Ensure that the pressure check tube is not blocked, pinched or crushed. If the error persists a service call will be required.

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This appliance **MUST** be installed, maintained and removed **ONLY** by an Authorised Person.
For continued safety of this appliance it **MUST** be installed and maintained in accordance with the manufacturers instructions.

GENERAL INSTALLATION INFORMATION



This product incorporates flue block sensing technology.

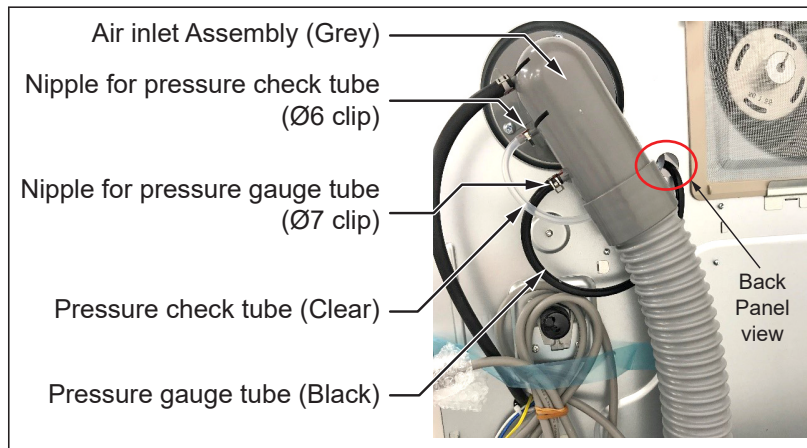
If the unit has Error codes 40 & 99, check tube connections and position.

ISSUES WITH PRESSURE HOSES

Ensure that the pressure check tube is not blocked, pinched or crushed. Refer to page 17 for diagnostics.

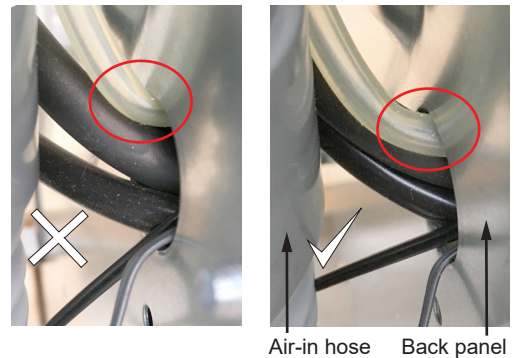
ISSUES WITH FLUE

Check the entire flue installation from exhaust spigot/inlet elbow through to the flue terminal.



Tube Connections (generic reference image only).

Blocked tube Tube correct position



Back panel view

HEATER LOCATION

When positioning the heater the main variables governing the location are Flueing and Warm Air Distribution.

This heater must not be installed where curtains or other combustible materials could come into contact with it. In some cases curtains may need restraining.



For all installations, **ONLY** Rinnai Energysaver Flue components **MUST** be used.

The Rinnai Energysaver **MUST NOT** be flued into 'natural draft' flue system or via a chimney.

Consult the Rinnai 'Energysaver Space Heater Co-Axial flue System installation' manual included with the 'On Wall' or 'Direct' flue kits for detailed flue installation instructions.

GAS SUPPLY

The gas supply terminates outside the heater on the back of the appliance.

Locate the gas supply pipe to suit position as per the heater gas inlet. Refer to dimension drawings on page 29 for appliance gas inlet location.

The gap required between the wall and heater body is 85 mm to 205 mm depending on which back cover kit is used.



Gas pipe sizing must consider the gas input to this appliance as well as all other gas appliances in the premises.

The gas meter and regulator must be specified for the total gas rate. Suitable sizing chart such as the one in AS/NZS 5601 should be used.

PURGING THE GAS SUPPLY: All foreign materials such as filings must be purged from the gas supply, as they may cause the gas control valve to malfunction.

ELECTRICAL SUPPLY

This heater has a power cord with a three pin plug supplied. The cord passes out of the rear of the appliance and can extend to the left or right of the appliance.

A dedicated 230V / 240V 50Hz earthed 10 Amp power point must be used with this appliance. The power point must to the left or the right side, it **MUST NOT** be above the heater.

Alternatively the appliance can be direct wired if the power supply is to be concealed. The electric isolation switch **MUST BE** accessible after the appliance has been installed.



Consult a qualified electrician if direct wiring is required as it must comply with the requirements of AS/NZS 5601 and AS/NZS 3000 and any other relevant local regulations.

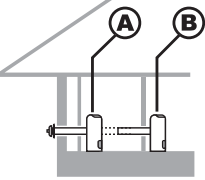
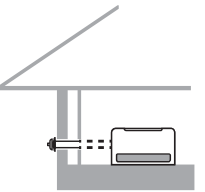
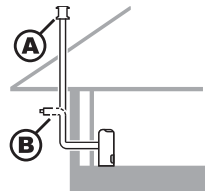
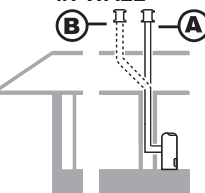
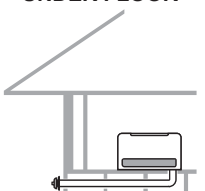


TYPES OF FLUE INSTALLATIONS



Consult the 'Energysaver Space Heater Co-Axial Flue Systems Installation Manual' included with the 'On Wall' or 'Direct' flue kits for detailed flue installation instructions. Use only Rinnai Flue components with this appliance.

The following configurations are currently available. For alternative configurations contact Rinnai.

DIRECT / EXTENDED 	Components			
	Option A (Direct)		Direct Flue Kit	
	Direct Flue Kit	ESDFK	Direct Flue Kit Co-Ax Pipe 900mm (Optional) #	ESDFK ESPIPE90
SIDEWAYS 	Components			
	Direct Flue Kit Co-Ax Pipe 900mm # Back Cover Set (see note below)	ESDFK ESPIPE900		
EXTERNAL WALL 	Components			
	Option A (Vertical Termination)		Option B (On Wall Termination)	
	Direct Flue Kit Co-Ax Pipe 900mm # Bend (2 x 45°) Condensate Trap Roof Cowl	ESDFK ESPIPE900 ESBEND ESCONDK ESROOFCOWL	Direct Flue Kit Co-Ax Pipe 900mm # Bend (2 x 45°) Condensate Trap	ESDFK ESPIPE900 ESBEND ESCONDK
IN-WALL 	Components			
	Option A (Direct)		Option B (Offset)	
	Vertical Adaptor Kit § Co-Ax Pipe 900mm # Roof Cowl	ESFKITIW (<i>ESKIT03</i>) ESPIPE900 ESROOFCOWL	Vertical Adaptor Kit § Co-Ax Pipe 900mm # Bend (2 x 45°) Roof Cowl	ESFKITIW (<i>ESKIT03</i>) ESPIPE900 ESBEND ESROOFCOWL
UNDER FLOOR 	Components			
	Direct Flue Kit Co-Ax Pipe 900mm # Bend (2 x 45°) Back Cover Set (see note below)	ESDFK ESPIPE900 ESBEND		
<div># Order lengths as required § Includes Condensate Trap (ESCONDK)</div>				

Order lengths as required
§ Includes Condensate Trap (ESCONDK)



The Energysaver Heater comes supplied with a standard back cover kit. For 'Sideways' and 'Underfloor' installations, refer to the 'Energysaver Space Heater Co-Axial Flue System Installation Manual' for details of the alternative back cover kit required.



Flue is NOT to be terminated under the floor or in a roof space. 'Down & Out' and vertical 'through roof' flue installations are permitted ONLY when the flue terminal is located externally.



For horizontal installations including 'Down & Out' flue systems there must be a continuous fall of at least 2° to the termination point to drain condensate.

Flue terminal must be at least 300 mm above the ground in accordance with AS/NZS 5601, Clause 6.9 and Fig. 6.2.

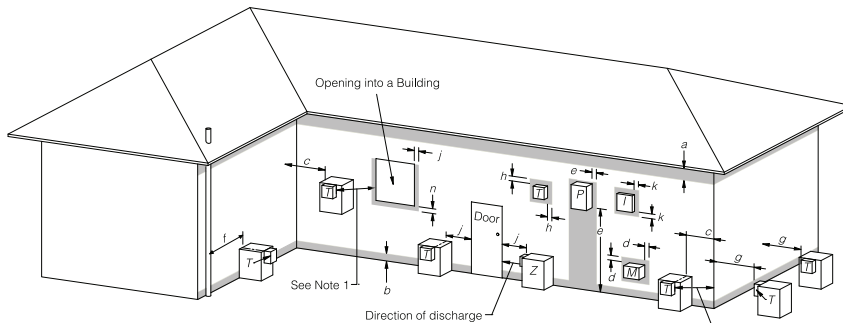
All terminations exceeding a vertical height of 1.5 metres must incorporate a condensate trap.

The 'AIR INTAKE' hose MUST NOT BE CUT OR SHORTENED. For more detailed information refer to 'Energysaver Space Heater Co-Axial Flue Systems Installation Manual'.

FLUE TERMINAL LOCATION



Ensure that the location of the flue terminal complies with the requirements of AS/NZS 5601, Fig. 6.2 which is reproduced in part below.



T = Flue terminal Z = Fan assisted flue appliance only M = Gas meter P = Electricity meter or fuse box I = Mechanical air inlet

Shading indicates prohibited areas for flue terminals

Ref.	Item	Min. clearances (mm)
		Fan assisted
a	Below eaves, balconies and other projections:	
	• <i>Appliances</i> up to 50 MJ/h input	200
	• <i>Appliances</i> over 50 MJ/h input	300
b	From the ground, above a balcony or other surface *	300
c	Front a return wall or external corner *	300
d	From a gas <i>meter</i> (M) (see 5.11.5.9 for vent terminal location of <i>regulator</i>) (see Table 6.6 for New Zealand requirements)	1000
e	From an electricity <i>meter</i> or fuse box (P) †	500
f	From a drain pipe or soil pipe	75
g	Horizontally from any building structure* = or obstruction facing a terminal	500
h	From any other <i>flue terminal</i> , cowl, or combustion air intake †	300
j	Horizontally from an openable window, door, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation:	
	• <i>Appliances</i> up to 150 MJ/h input *	300
	• <i>Appliances</i> over 150 MJ/h input up to 200 MJ/h input *	300
	• <i>Appliances</i> over 200 MJ/h input up to 250 MJ/h input *	500
	• <i>Appliances</i> over 250 MJ/h input *	1500
	• All fan-assisted <i>flue appliances</i> , in the direction of discharge	1500
k	From a mechanical air inlet, including a spa blower	1000
n	Vertically below an openable window, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation:	
	• Space heaters up to 50 MJ/h input	150
	• Other <i>appliances</i> up to 50 MJ/h input	500
	• <i>Appliances</i> over 50 MJ/h input and up to 150 MJ/h input	1000
	• <i>Appliances</i> over 150 MJ/h input	1500

* - unless appliance is certified for closer installation

† - Prohibited area below electricity meter or fuse box extends to ground level.

NOTES:

- Where dimensions c, j or k cannot be achieved an equivalent horizontal distance measured diagonally from the nearest discharge point of the terminal to the opening may be deemed by the Technical Regulator to comply.
- See Clause 6.9.4 for restrictions on a flue terminal under a covered area.
- See Figure J3 for clearances required from a flue terminal to an LP Gas cylinder. A flue terminal is considered to be a source of ignition.
- For appliances not addressed above acceptance should be obtained from the Technical Regulator.

EXTRACT OF FIGURE 6.2 (in-part)

Horizontal terminal clearances (Extract AS/NZS 5601 Fig. 6.2)



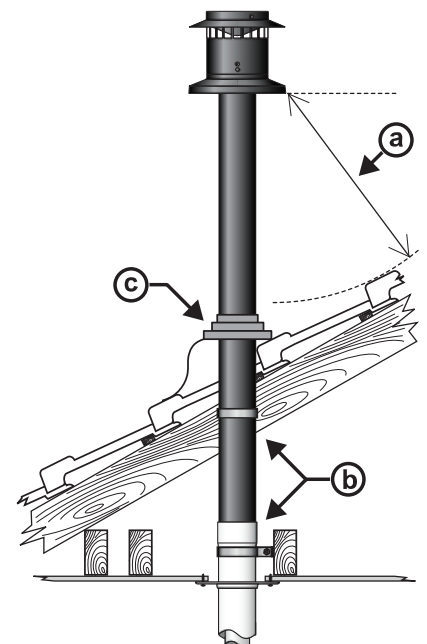
AS/NZS 5601 was current at the time of printing this manual, but may have been superseded. It is the installers responsibility to ensure that the current version of this standard is used.



The flue terminal should be positioned away from flammable materials.



Refer to the 'Energysaver Space Heater Co-Axial Flue System Installation Manual' for full details



- (a) Minimum clearance 500 mm to nearest part of roof.
- (b) Minimum clearance 25mm to combustibles.
- (c) Decktile or lead collar flashing.

'Vertical Terminal clearances (Extract from the 'Energysaver Space Heater Co-Axial Flue System Installation Manual')

HEATER INSTALLATION

UNPACKING THE APPLIANCE

The heater is supplied in one carton containing; Heater, Standard Rear Cover Set and Bolt Pack (refer to the "Carton Contents / Item Checklist" on page 6 for a full list of the items packed with each heater model).

Remove all packaging materials and check for damage. If any damage is evident DO NOT install or operate this appliance and contact your supplier for advice.

Before installing the heater, check it is labelled for the correct gas type, (refer to the data label at the rear of the heater). Refer to the local gas authority for confirmation of gas type if you are in doubt.



The heater does not come supplied with flue components. These are purchased separately and **ONLY** Rinnai Energysaver Co-Axial Flue System Flue components can be used with this appliance.

CONNECTING THE APPLIANCE TO THE CONSUMER GAS PIPE



HAZARDOUS VOLTAGE.
Risk of Electrical Shock.

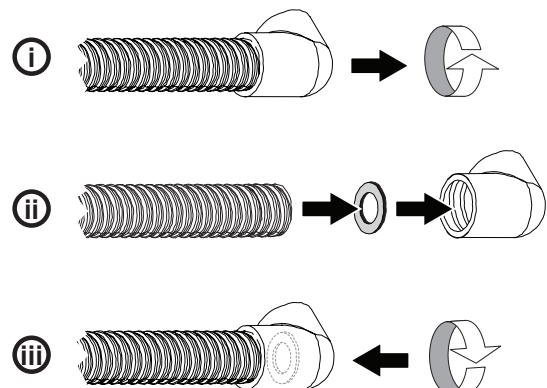
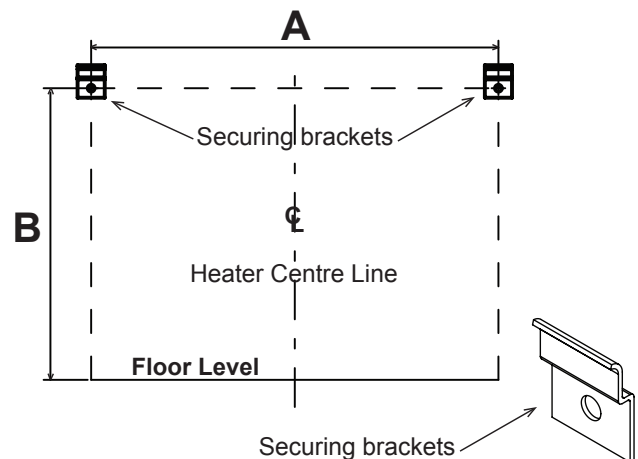


ISOLATE THE ELECTRICITY
SUPPLY FROM THE
APPLIANCE BEFORE
CONTINUING



1. Remove the plastic protection cap from the threaded gas inlet located at the rear of the appliance.
2. Position the appliance gas inlet in line with gas supply from wall.
3. Attach gas supply pipe to the appliance gas inlet and tighten - finger tight. Appliance has R1/2 fitting.
4. On the wall behind the appliance, at a level of about midway of the heaters height, mark the vertical centre line of the heater, marked as "CL" (centre line) in accordance the table and the diagram below.
5. Mark the flue penetration position in accordance with 'Energysaver Space Heater Co-Axial Flue System Installation' manual.
6. Undo the gas connection, remove the heater.
7. Cut flue penetration(s).
8. Mark out the securing bracket screw holes in accordance with the table and the diagram right, using the appliance's centre line as reference.
9. Attach the two securing brackets supplied to the wall using the two 8g x 30mm screws supplied, or suitable equivalent refer to diagram A.
10. For RHFE-559FDT3 - direct flue kit 'ESDFK' installations **ONLY** install air intake baffle ring as follows:
 - (i) Unscrew the air intake elbow from the air intake hose (left handed thread, clockwise to undo).
 - (ii) Insert the air intake baffle ring into the appliance end of the air intake elbow.
 - (iii) Screw the air intake hose back into the air intake elbow (left handed thread, anticlockwise to tighten), ensuring that the air intake baffle ring is seated flush against the end of the air intake hose.

Model	A	B
RHFE-559FDT3	350 mm	537 mm
RHFE-1005FDT3	875 mm	622 mm



HEATER INSTALLATION

11. Install flue system in accordance with 'Energysaver Space Heater Co-Axial Flue System Installation manual' which is provided with the flue kit.
12. Return the heater to the final position.
13. Connect flue in accordance with 'Energysaver Space Heater, Co-Axial Flue System Installation Manual'.
14. Connect gas supply line and fully tighten connection.



Use a soapy solution to test all gas connections. If a leak is present bubbles will form at the leak point. When finished remove any residue with a rag. Prevent any of the soapy solution from coming in contact with electrical components.



BACK PANEL INSTALLATION - RHFE-559FDT3

The back panel is **NOT** an optional component and **MUST BE** fitted to ensure the correct and safe operation of the appliance while also providing concealment and protection of the flue and gas connections.

1. Fit left and right cover panels to the rear of the appliance by clipping the panels onto the location tabs (i) then fastening into position using the two 6g x 8mm pan head screws (ii) supplied.

These screws locate into pre-drilled and formed recesses at the bottom edge of the panels.

2. Remove the Fan Filter (iii).
3. Carefully fit the top cover panel ensuring the rear fold locates neatly between the two securing brackets and wall.
4. Secure the top cover panel with two 6g x 8mm pan head screws supplied (iv).
5. Replace the Fan Filter (iii).



Air hose and heater exhaust connections at the Energysaver heater **MUST** be made and checked in accordance with these instructions.

Improper connections may result in dangerous situations, for example, the dispersion of combustion products in the space being heated.

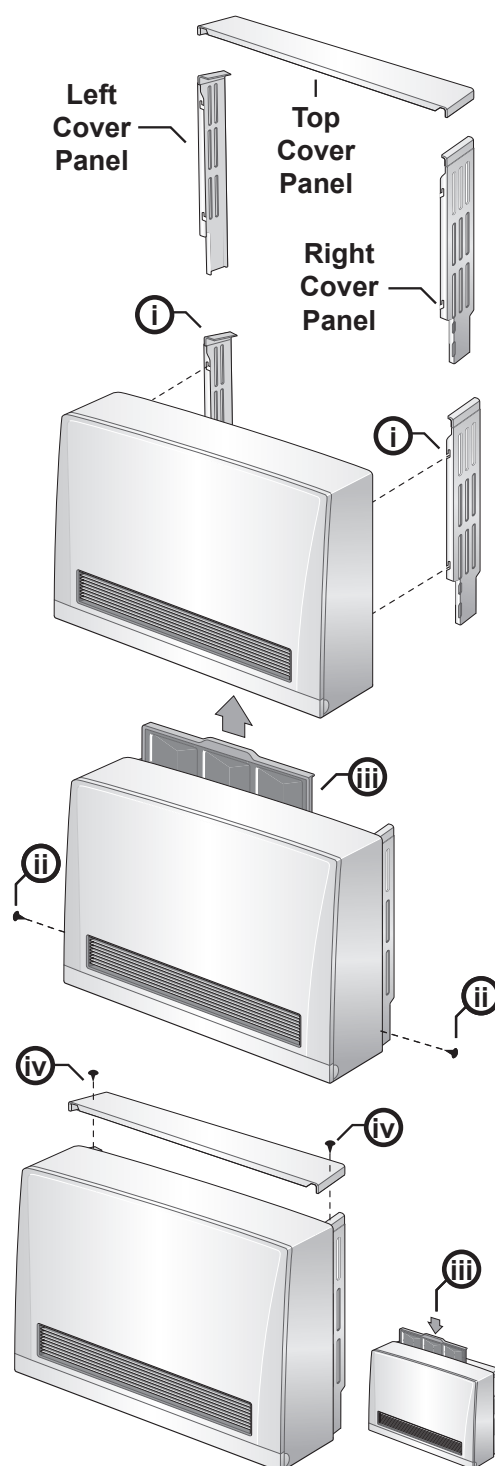


NOT INTENDED FOR FIREPLACE INSERT.



Rear cover panels **MUST BE** fitted to ensure correct and safe operation of the appliance.

Failure to fit the rear cover panels will result in inefficient and dangerous operation of the appliance and void the warranty.



BACK PANEL INSTALLATION - RHFE-1005FDT3

The back panel is **NOT** an optional component and **MUST BE** fitted to ensure the correct and safe operation of the appliance while also providing concealment and protection of the flue and gas connections.

1. Replace the two short panel brackets (ia) from the back the appliance with the two long panel brackets (i) supplied with the back saver kit.
2. Fit left and right cover panels to the rear of the appliance by fastening into position using the four 6g x 8mm pan head screws (ii) supplied.

These screws locate into pre-drilled and formed recesses of the panels, brackets and appliance.

3. Remove the Fan Filter (iii).
4. Carefully fit the top cover panel ensuring the rear fold locates neatly between the two securing brackets and wall.
5. Secure the top cover panel with three 6g x 8mm pan head screws supplied (iv).
6. Replace the Fan Filter (iii).



Air hose and heater exhaust connections at the Energysaver heater **MUST be made and checked in accordance with these instructions.**

Improper connections may result in dangerous situations, for example, the dispersion of combustion products in the space being heated.

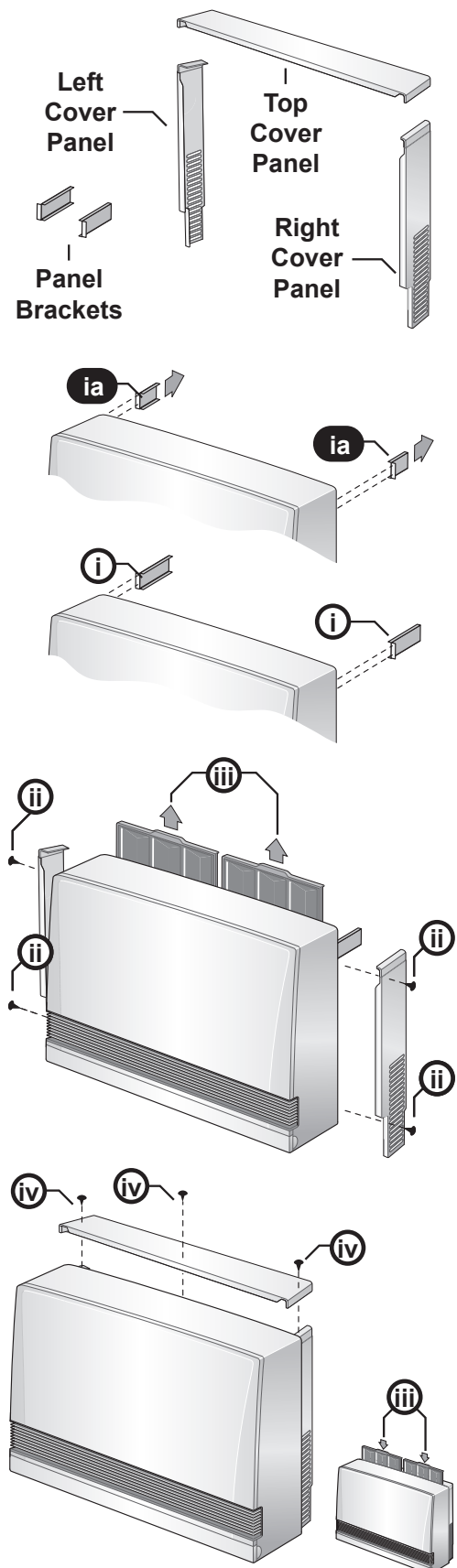


NOT INTENDED FOR FIREPLACE INSERT.



Rear cover panels **MUST BE fitted to ensure correct and safe operation of the appliance.**

Failure to fit the rear cover panels will result in inefficient and dangerous operation of the appliance and void the warranty.



INSTALLATION CHECKLIST & RECORD

INSTALLATION & COMMISSIONING CHECKLIST



Commissioning **MUST** be completed before customer handover. Refer to the Commissioning Instruction sheet attached behind the front panel of this appliance.

These Instructions **MUST** be returned to the this storage location upon the completion.

1. Complete BOTH the “INSTALLATION RECORD” and “FINAL CHECKLIST” below.
2. Instruct customer on the operation of the Energysaver.
3. Ensure the customer understands the content of this manual.



Advise the customer that during the initial burning in period of approximately 2 hours, some vapour and smell may be emitted from the heater. This is normal operation for a new heater.

During this period the heater should be operated on ‘High’ and the space being heated should be well ventilated.



The louvre grille and rear cover fitted to this appliance reduce the risk of fire and injury, no part of it should be permanently removed.

Ensure the Customer understands that:

No part of this appliance should be permanently removed.

Paper or other material must not be forced into the louvres of this appliance.

Young children and the infirm should be supervised at all times while in the vicinity of this appliance while it is in operation or able to be turned on.

INSTALLATION RECORD



This appliance **MUST** be installed, maintained and removed **ONLY** by an Authorised Person.

For continued safety of this appliance it **MUST** be installed and maintained in accordance with the manufacturers instructions.

The Installation Record is a reference for the end user, help line staff and service technicians. Ensuring that this information is available here will be helpful in the event that a service enquiry is required.

Installation Details

Installers / Gas Fitters Details

Installations Name:

Company Name:

Company Address:

Company Contact Details

Telephone / Mobile Phone: _____ / _____

Email: _____

Compliance Details

Certificate of Compliance / Certification No.: _____

Authorised Persons - Licence No.: _____

Installers Signature: _____

Installation Date: _____

Appliance Details

Model Number : _____

Serial Number : _____

Installation Address: _____




Ensure this Operation and Installation manual is left with the customer.

FINAL COMMISSIONING CHECKLIST



This commissioning check list **MUST** be completed by a Certified Gas Installer at the time of installation and prior to customer handover.

	YES	NO
1. Have all the packaging / protective materials been removed and is the appliance positioned in a suitable location (i.e. clearances, combustible clearances, mantel & surround clearances)?	<input type="checkbox"/>	<input type="checkbox"/>
2. Have you confirmed that the gas type is correct for the appliance?	<input type="checkbox"/>	<input type="checkbox"/>
3. Have you used <u>ONLY</u> genuine Rinnai Energysaver flueing components? (<u>ONLY</u> genuine Rinnai Energysaver flueing components are certified to be used with Rinnai Energysaver appliances)	<input type="checkbox"/>	<input type="checkbox"/>
4. Have you checked the flue clearances and installation are per the Flue Installation Manual and as per AS/NZS 5601?	<input type="checkbox"/>	<input type="checkbox"/>
5. Have you confirmed that the air inlet hose and flue connections are sound?	<input type="checkbox"/>	<input type="checkbox"/>
6. Have you ensured that the pressure check tube is not blocked, pinched or crushed?	<input type="checkbox"/>	<input type="checkbox"/>
7. Where applicable, have you connected the condensation drain hose in accordance with the Operation and Installation Manual?	<input type="checkbox"/>	<input type="checkbox"/>
8. Has the gas supply pipe been purged of foreign matter before connection?.	<input type="checkbox"/>	<input type="checkbox"/>
<div>  After purging the gas pipe in accordance with AS/NZS 5601, allow sufficient time for escaped gas to disperse before operating the appliance. </div>		
9. Has the <u>flue configuration</u> (i.e. short or long) been set. And has the <u>gas type</u> setting (NG or LPG) for the appliance been checked? (* Refer to the Commissioning Instructions located on the inside front cover of the appliance)	<input type="checkbox"/>	<input type="checkbox"/>
10. Have you turned the gas supply on and checked all connections for leaks?	<input type="checkbox"/>	<input type="checkbox"/>
11. Is the appliance secured to the wall in accordance with the Operation and Installation Manual?	<input type="checkbox"/>	<input type="checkbox"/>
12. Is the appliance inlet pressure correct with all other resident gas appliances operating?	<input type="checkbox"/>	<input type="checkbox"/>
13. Have you turned on the power?	<input type="checkbox"/>	<input type="checkbox"/>
14. Have you checked that the burner pressure is correct for the <u>flue configuration</u> and the <u>gas type</u> ? (* Refer to the Commissioning Instructions located on the inside front cover of the appliance)	<input type="checkbox"/>	<input type="checkbox"/>
15. Have you shown the customer how to operate the heater and informed them of the safety requirements?	<input type="checkbox"/>	<input type="checkbox"/>
16. Have you filled out the "Installation Record" and "Installation & Commissioning Checklist" located at the rear of the Operation and Installation Manual?	<input type="checkbox"/>	<input type="checkbox"/>
17. Is the end-user fully aware of the servicing schedule?	<input type="checkbox"/>	<input type="checkbox"/>
18. Have you left the Operation and Installation Manual with the customer?	<input type="checkbox"/>	<input type="checkbox"/>



If you have answered **NO** to any of the above questions, then you **MUST** rectify this before customer handover.

Commissioning **MUST** be completed to avoid the potential of operational errors and **MUST** be completed before customer handover. *Commissioning Instructions **MUST** be returned to the storage location behind the appliance cover upon the completion of commissioning.

It is the installer's responsibility to complete both the "Installation & Commissioning Checklist" and "Installation Record" located on page 27 of this manual before customer handover.

Please note that the warranty may be voided and a service charge may be incurred as a result of a Rinnai service agent attending to a problem related to incorrect installation, commissioning or operation of the appliance.

SPECIFICATIONS

PRODUCT SPECIFICATIONS

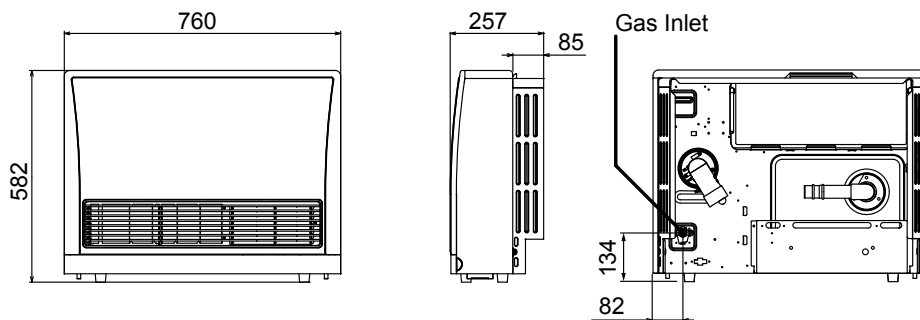
Model		RHFE-559FDT3	RHFE-1005FDT3
Dimensions (mm)	Height	582	670
	Width	760	930
	Depth	257	330
Weight (kg)		24	40
Gas Control Valve		Rinnai Electronic Modulating Gas Valve	
Burner		Fabricated Stainless Steel - Bunsen Burner Type	
Injector (mm)	Natural Gas	4x 1.25 Ø	4x 1.50 Ø, 1x 0.45 Ø
	Propane Gas	4x 0.82 Ø	4x 1.00 Ø, 1x 0.30 Ø
Gas Inlet Thread		R ½" Male (15mm)	
Flue System		Fan assisted, twin chamber Co-Axial Flue System,provides air for combustion to the appliance and allows expulsion of combustion products to atmosphere. Results in 'room sealed' appliance.	
Ignition		Direct continuous spark electronic ignition	
Electrical Supply		230V / 240V 50Hz earthed 10 Amp, supply lead and 3 pin plug. Replace ONLY with Rinnai genuine part	
Standby Power Consumption		<1W	
Convection Fan		Cross Flow Type fan	Centrifugal Drum Type fan
Temperature Range		16°C to 26°C in 1°C increments	
The manufacturer reserves the right to change or modify specifications without notice.			



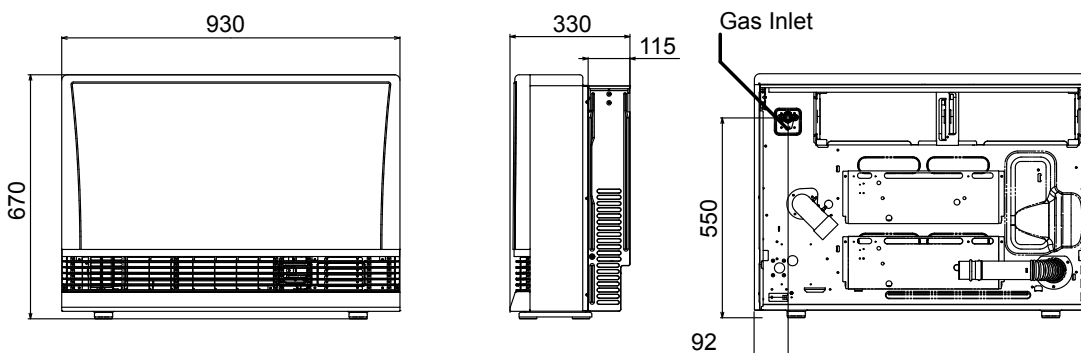
For other appliance specifications refer to appliance data plate.

DIMENSIONS

RHFE-559FDT3

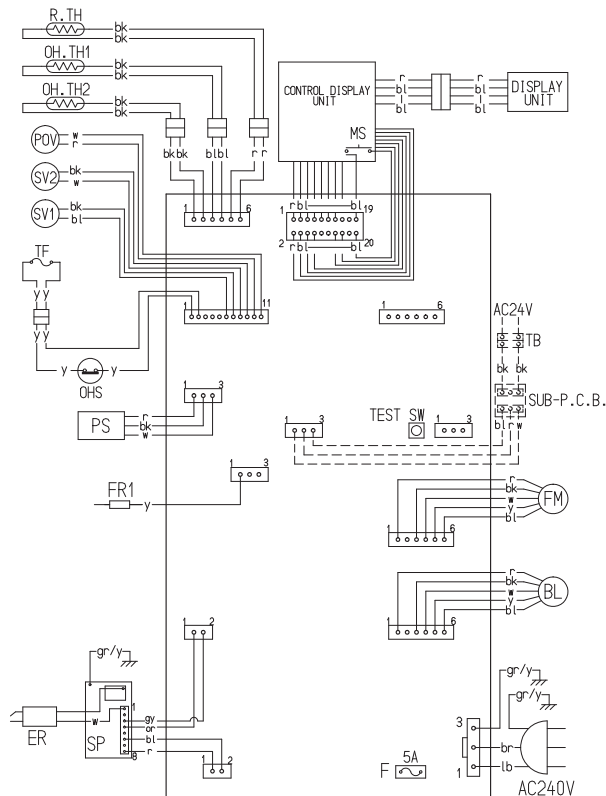


RHFE-1005FDT3



WIRING DIAGRAMS

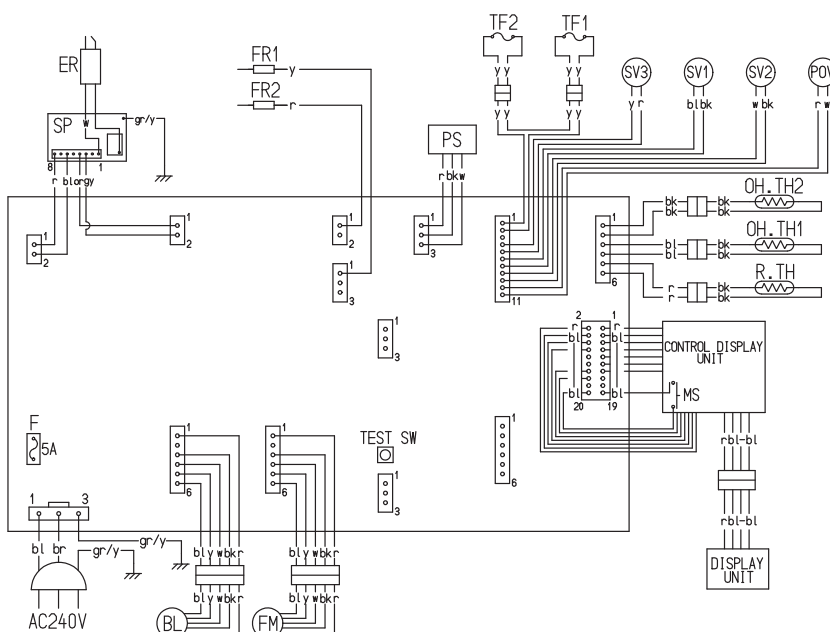
RHFE-559FDT3



MARK	PARTS NAME
MS	MAIN SWITCH
R.TH	THERMISTOR
TF	THERMAL FUSE
F	FUSE
ER	ELECTRODE
POV	MODULATING SOLENOID VALVE
OHJH1,2	OVER HEAT THERMISTOR 1,2
OHS	OVER HEAT SWITCH
FM	CONVECTION FAN MOTOR
SP	SPARKER
SV1,2	MAIN SOLENOID VALVE 1,2
BL	COMBUSTION FAN MOTOR
FR	FLAME ROD
TB	TERMINAL BLOCK
PS	PRESSURE SENSOR

CODE	COLOUR	CODE	COLOUR
bk	black	w	white
bl	blue	y	yellow
lb	light blue	gy	grey
gr/y	green/yellow	or	orange
r	red	br	brown

RHFE-1005FDT3



MARK	PARTS NAME
MS	MAIN SWITCH
R.TH	ROOM THERMISTOR
TF1,2	THERMAL FUSE 1,2
F	FUSE
ER	ELECTRODE
POV	MODULATING SOLENOID VALVE
PS	PRESSURE SENSOR
OH.TH1,2	OVER HEAT THERMISTOR 1,2
FM	CONVECTION FAN MOTOR
SP	SPARKER
SV1,2	MAIN SOLENOID VALVE 1,2
SV3	SOLENOID VALVE 3
BL	COMBUSTION FAN MOTOR
FR1,2	FLAME ROD 1,2

CODE	COLOR	CODE	COLOR
bk	black	w	white
bl	blue	y	yellow
lb	light blue	gy	grey
gr/y	green/yellow	or	orange
r	red	br	brown

Rinnai Australia Pty Ltd

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100 Atlantic Drive, Keysborough, Victoria 3173
P.O. Box 460, Braeside, Victoria 3195
Tel: (03) 9271 6625
Fax: (03) 9271 6622

National Help Line

Tel: 1300 555 545* Fax: 1300 555 655
Monday to Friday, 8.00 am to 5.00 pm EST.

**Cost of a local call higher from mobile or public phones.*

For further information visit www.rinnai.com.au
or email enquiry@rinnai.com.au

Rinnai has a Service and Spare Parts network with personnel who are fully trained and equipped to give the best service on your Rinnai appliance. If your appliance requires service, please call our National Help Line. Rinnai recommends that this appliance be serviced every 2 years.

With our policy of continuous improvement, we reserve the right to change, or discontinue at any time, specifications or designs without notice.

RHF1006-1780(01)



(For factory use)



109234