

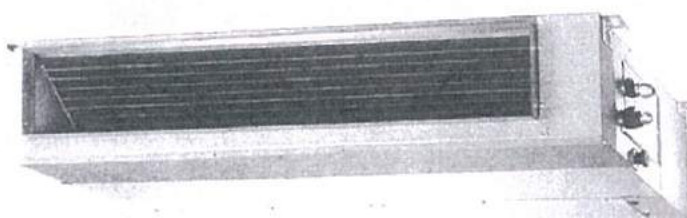
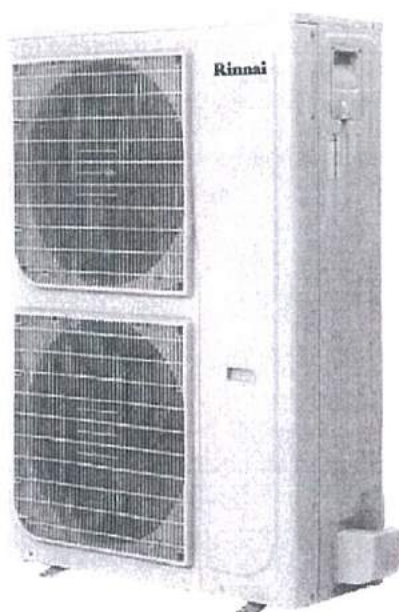


Rinnai
Ducted Air Conditioning

OPERATING INSTRUCTIONS

Rinnai

Owner's Manual Ducted Air Conditioner



Rinnai Ducted Models

Outdoor Units	Indoor Units
DONSR07Z72	DINLR07Z72
DONSR10Z72	DINLR10Z72
DONSR12Z72	DINLR12Z72
DONSR14Z72	DINLR14Z72
DONSR17Z72	DINLR17Z72

This appliance shall be installed in accordance with:

- Manufacturer's Installation Instructions
 - Current AS/NZS 3000
 - Local Regulations and Municipal Building Codes including local OH&S requirements
- This appliance must be installed, maintained and removed by an Authorised Person.

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



N10378

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PLEASE REFER TO ANY OPERATING MANUALS AND USER OPERATING GUIDES
ACCOMPANYING ANCILLARY EQUIPMENT (WHERE FITTED)

WARNINGS AND 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.

WARNINGS: WHEN IGNORED, CAN RESULT IN SERIOUS INJURY OR DEATH.

CAUTIONS: WHEN IGNORED, CAN RESULT IN MINOR INJURY OR PRODUCT DAMAGE.



REGULATORY / INSTALLATION

This appliance shall be installed in accordance with:

Manufacturer's Installation Instructions.

Current AS/NZS 3000.

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

This appliance must be installed, maintained and removed by an Authorised Person.

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

This appliance uses R410A refrigerant.

This appliance is heavy, use 2 people or mechanical lifting device. Improper lifting may result in serious injury.

Take care when opening or unpacking this appliance. Failure to do so may result in serious injury or product failure.

DO NOT modify the electrical wiring of this appliance. If the control power wiring is damaged or deteriorated then it must be replaced by an authorized person. Failure to do so may result in electric shock, fire, serious injury or product failure.

DO NOT install the air conditioner on an unstable or non level surface or where there may be a danger of it falling. It may result in death, serious injury, or product failure.

DO NOT install the outdoor unit where noise may cause nuisance.

DO NOT install the outdoor unit where it will be exposed to sea wind (salt spray) as this will reduce durability.

ACHIEVING OPTIMAL PERFORMANCE

For optimal performance ensure to use the air conditioner within the following temperature ranges. Using the air conditioner outside of these ranges, will activate certain safety protection features, that will effect the appliances performance.

MODE	COOL MODE	HEAT MODE
Room Temperature	17°C ~ 32°C	0°C ~ 30°C
Outdoor Temperature	-15°C ~ 50°C	-15°C ~ 24°C

WARRANTY EXCLUSIONS

Rinnai product warranty excludes faults and failures caused by improper use and abuse; fair wear and tear; or failure to follow instructions regarding service and maintenance. It is very important that you maintain your appliance and have it serviced regularly. It is a condition of warranty that you adhere to the maintenance and service requirements as set out in this manual. Compliance with these requirements will prolong the useful life of your appliance and help ensure it operates efficiently. The "Service Maintenance Schedule" on page 9 specifies specific items to be performed at prescribed intervals by qualified licensed technicians. The schedule should also be fully completed and retained as a record of who carried out the service, the date and actions taken.

IMPORTANT: Failure to carry out the requisite maintenance, servicing and recording requirements may void your product warranty. Please refer to "Warranty" on page 16 for full details.



OPERATION

DO NOT let the air conditioner run for extended periods when the humidity is very high or when doors or windows are left open. As this may result in an excessive operational loading and lead to product failure.

DO NOT cover or place articles on any part of this appliance.

DO NOT touch, operate or clean the air conditioner with wet hands. It may result in electric shock or product failure.

DO NOT insert hands or other objects through the air inlet or outlet of the appliance it may result in electric shock or product failure.

DO NOT place a heater or other heating appliances near this appliance, always ensure sufficient ventilation when using this appliance and a heating appliance at the same time. Failure to do so may result in product miss-operation.

Turn main power off before cleaning. Failure to do so may result in fire, electric shock, or product failure.

DO NOT use solvents, abrasives or harsh detergent to clean any part or surface of this appliance or spray water or allow liquids to enter the indoor unit. The enclosure of the appliance and remote control can be cleaned using a soft, damp cloth and a mild detergent.

NEVER touch the metal parts of the air conditioner when you remove the air filter. It may result in electric shock or product failure.

DO NOT leave flammable materials near the appliance. It may result in explosion or fire.

If there is excessive noise, smell or smoke coming from the appliance, turn the appliance **OFF**, isolate the power supply and contact a service agent.

DO NOT operate the appliance if it has been submerged into water due to flooding, contact a service agent. Failure to do so may result in electric shock, fire, serious injury, or product failure.

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.

Children should be supervised to ensure that they do not play with the appliance.

The air conditioning system is designed to achieve consumer comfort. It is not designed for commercial applications requiring a controlled atmosphere (i.e. computer rooms, food preservation, etc.)

DO NOT block the inlet or outlet of air flow. It may result product failure.

DO NOT drink the condensate water drained from the appliance. This condensate is not potable and may present a health risk if consumed.

DO NOT expose people, animals or plants directly to the cold or hot discharge of the appliance. It may result in serious injury.

DO NOT mix the batteries for the remote control with other types of batteries or mix new batteries with used batteries. Failure to do so may result in product failure. **STOP** using the remote control if there is a battery fluid leak.

DO NOT use an extension cord, manually extend the power cord, or connect other appliances to the same outlet as the air conditioner. Poor electrical connections, poor insulation, and insufficient voltage can cause fire.



A NOTE ON ILLUSTRATIONS

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

CARE & MAINTENANCE

CLEANING THE INDOOR UNIT

Use a soft dry cloth to wipe the indoor unit clean, if especially dirty, you may use a warm damp cloth.



Turn off the power before you perform any maintenance; otherwise it may cause electric shock.

Do not use water to clean the inside of the indoor unit. This can destroy insulation and cause electrical shock.

DO NOT use chemicals or chemically treated cloths to clean the unit.

DO NOT use benzene, paint thinners, polishing powder or other solvents to clean the unit. They can cause the plastic surface to crack or deform.

NEVER use water that is hotter than 40°C when you clean the front panel. It may cause deformation or discolouration.

CLEANING THE AIR FILTER

The air filters require inspection and cleaning at least every two weeks. Consult your installer for location of filters on ducted systems.



A dirty air filter will reduce the efficiency, effectiveness and air quality of your system. Failure to clean the filters regularly can also cause condensation to form and drip from the indoor unit when operated in cooling mode during humid conditions.

For replacement filters, please contact Rinnai.



Turn off the power before you perform any maintenance; otherwise it may cause electric shock.

When removing filter, do not touch metal parts in the unit. The sharp metal edges can cut you.

DO NOT use chemicals or chemically treated cloths to clean the filters.

DO NOT use benzene, paint thinners, polishing powder or other solvents. They can cause the plastic surface to crack or deform.

NEVER use water that is hotter than 40°C when you clean the filters. It may cause deformation or discolouration.

NEVER use volatile substances when you clean the filters. They may damage the surface of the product.

DO NOT expose filter to direct sunlight when drying as this can shrink the filter.

Ensure filters completely dry before re-inserting.

NEVER operate the system without the filter in place.

CLEANING THE OUTDOOR UNIT

The outdoor (condensing) unit draws air into the unit and dissipates it away from the appliance. Periodic inspection is required to ensure vegetation has not grown around the unit (plants, weeds etc.).

The cabinet should be kept clean and have the recommended clearances maintained. Ensure the discharge air is free to dissipate and under no circumstances recirculates back into the unit.

Ensure there is no water build up (including from condensate drain) on or around the unit.



Any unit repairs, maintenance and cleaning of the outdoor unit should be performed by an authorised dealer or licensed service provider.

GENERAL MAINTENANCE

Maintenance - For Prolonged Periods of Non Use

If you plan not to use your air conditioner for an extended period of time, do the following.

- Clean all filters
- Turn ON Fan function until unit dries out completely
- Turn off the unit and disconnect the power
- Remove batteries from remote control.

MAINTENANCE - PRE-SEASON INSPECTION

After long periods of non-use, or before periods of frequent use, do the following:

- Check for damaged wires
- Clean all filters
- Check for leaks
- Replace batteries
- Make sure nothing is blocking all air inlets and outlets of both the indoor or outdoor units.

INSTALLATION RECORD - INSTALLER DETAILS

Company Name: _____

Company Address: _____

Telephone: _____

Mobile Phone: _____

Email: _____

Certificate of Compliance / Certification No. _____

Authorised Persons - Licence No. _____

Installers Name: _____

Installers Signature: _____

Installation Date: _____

INSTALLATION RECORD - SYSTEM DETAILS

Model Number : _____

Serial Number Indoor Unit: _____

Serial Number Outdoor Unit: _____

Installation Address: _____

CUSTOMER CARE PROGRAM

Please ensure you register your product warranty on line at rinnai.com.au.

The Rinnai Customer Care Program is designed to help you get the most out of your new system.

Service and maintenance in accordance with the Service Maintenance Schedule on page 9 is essential in ensuring the prolonged useful life of your system, and help ensure it operates at optimum efficiency. We may contact you before each winter or summer season with preferential offers for preventative maintenance services which will keep your Rinnai system in great condition.



Service maintenance is not covered under warranty and is a chargeable service. All units must have safe and reasonable access and be installed in compliance with the installation instructions supplied with the unit. Some installations may require two service personnel to attend, in accordance with Health and Safety requirements.

Also note that all refrigerated air conditioning systems have air filters that require regular inspection and cleaning. Please refer to "Cleaning the Air Filter" on page 6.

SERVICE MAINTENANCE SCHEDULE - DUCTED AIR CONDITIONING SYSTEMS

Your Rinnai Ducted Air Conditioning System should be maintained annually after the date of installation by a qualified licensed technician in accordance with the Schedule below. Failure to do so during the product warranty period may void your warranty. This periodic service and maintenance will prolong the useful life of the unit, and help keep it running safely and at optimum efficiency.

Date of Installation	/	/	Installed By:			
YEAR OF SERVICE	1	2	3	4	5	6
Service Date	/	/	/	/	/	/
Service Company / Technician						
Ambient Temperature at CDU (°C)						
ELECTRICAL						
Wiring, Electrical connections						
Fan Motors						
Capacitors (if Applicable)						
Printed circuit boards						
MAJOR COMPONENTS						
Outdoor unit clearances						
Outdoor unit condensate tray						
Outdoor unit condensate drain						
Outdoor unit fixing						
Indoor unit clearances						
Indoor unit condensate tray						
Indoor unit condensate drain						
Refrigerant charge						
Refrigeration connections						
Fan assemblies						
CONTROLS						
Thermostat(s)						
Zone Controls (If Applicable)						
SYSTEM OPERATION						
Sequence of operation						
Return Air Temp - Cooling/ Heating	°C	°C	°C	°C	°C	°C
Outlet Air Temp - Cooling/ Heating	°C	°C	°C	°C	°C	°C
Outdoor unit - Liquid line pressure	kPa	kPa	kPa	kPa	kPa	kPa
Outdoor unit - Suction line pressure	kPa	kPa	kPa	kPa	kPa	kPa
Zone Operation (If Applicable)						
GENERAL INSTALLATION-RELATED AND 3rd PARTY COMPONENTS (NOT RINNAI PRODUCTS) *						
Ductwork and fittings						
Return Air grille & filters						
Airflow through system						
Refrigerant pipework						
Safety tray						
Zone motors						
CONSUMABLES **						
Capacitors						
Filters						
Batteries (if applicable)						
<p>* Installation and other field-supplied components are not covered by Rinnai Product Warranty. These include, but are not limited to, control wiring, ducting, return air filter(s) grille, register, diffuser, zone motors, controls/thermostats, pipework, fabricated or added components and refrigerant gas and electrical connections to the appliance. These should be inspected as they can affect the performance, reliability and safety of the system.</p> <p>** Units contain consumable items that may require periodic replacement and are not covered by Rinnai product warranty (e.g. filters, capacitors and batteries)</p>						
ACTION CODES						
Inspected - Working Correctly - No Action Required	Adjusted Part	Cleaned Part	Replaced Part	Repaired Part	Referred to Installer	
✓	A	C	R	RP	RI	

SAVE A SERVICE CALL

If problems persist contact a local dealer or your nearest customer service centre.

Provide them with a detailed description of the unit malfunction as well as your model number.

SYMPTOM	CAUSE
Unit does not turn on when pressing ON/OFF button.	The unit has a 3 minute protection feature that prevents the unit from overloading. The unit cannot be restarted within three minutes of being turned off.
The unit changes from COOL/HEAT mode to FAN mode.	The unit may change its setting to prevent frost from forming on the unit. Once the temperature increases, the unit will start operating in the previously selected mode again.
	The set temperature has been reached, at which point the unit turns off the compressor. The unit will resume operation when the temperature fluctuates again.
The outdoor unit emits white mist.	When the unit restarts in HEAT mode after defrosting, white mist may be emitted due to moisture generated from the defrosting process.
The indoor unit makes noises.	Water flowing noise, This is the sound of refrigerant flowing inside the indoor unit and is normal.
Both the indoor unit and outdoor unit make noises.	Low hissing sound during operation: This is normal and is caused by refrigerant gas flowing through both indoor and outdoor units.
	Low hissing sound when the system starts, has just stopped running, or is defrosting: This noise is normal and is caused by the refrigerant gas stopping or changing direction.
The outdoor unit makes noises.	The unit will make different sounds based on its current operating mode.
The unit emits a bad odour	The unit may absorb odours from the environment (such as furniture, cooking, cigarettes, etc.), which may be emitted during operation.
	The unit's filters have become mouldy and should be cleaned.
The fan of the outdoor unit does not operate.	During operation, the fan speed is controlled to optimise performance.
The air conditioner stops running.	Check power supply.
	If a power failure has occurred. Turn off the air conditioner when a power failure occurs. When the power is restored, wait 3 minutes, and then turn on the air conditioner.
	Check the air conditioner has not been turned off automatically by a programmed off timer. Press the power button on the remote control.
	Circuit Breaker tripped or fuse blown. Reset or replace, if problem persists contact Rinnai.
	Timer is activated. Turn timer off

The air conditioner does not generate cool / hot air.	Air is not circulating properly. Make sure that there are no curtains, blinds or furniture blocking the front of the air conditioner.
	The air filter is dirty. Clean the air filter once every 2 weeks. See "Cleaning Air Filter" for more information.
	The room temperature is too high. In summer, it may take some time to cool indoor air. In this case, select the turbo cool operation to cool indoor air quickly.
	The desired temperature is higher than the set temperature. Set the desired temperature to a level lower than the current temperature.
	There is a heating source nearby. Avoid using a heat generator such as an electric oven or a gas burner while the air conditioner is in operation.
	The FAN ONLY mode of operation is selected. In this mode, air blows from the air conditioner without cooling or heating the indoor air. Switch the operation mode to the cooling, heating or auto.
	The air inlet or outlet of either unit is blocked. Turn the unit off, remove the obstruction and turn it back on.
	Doors and windows are open. Make sure that all doors and windows are closed while operating the unit.
	Excessive heat is generated by sunlight. Close windows and curtains during periods of high heat or bright sunshine.
	Too many sources of heat in the room (people, computers, and electronics etc). Where possible reduce the amount of heat sources.
	Low refrigerant due to a leak or after long-term use, contact Rinnai.
Poor heating performance.	The outdoor temperature is lower than 7°C. Use an auxiliary heating device.
	Doors and windows are open. Make sure that all doors and windows are closed while operating the unit.
It is not possible to adjust the fan speed.	In some operation modes, you cannot adjust the fan speed. Select an operation mode in which you can adjust the fan speed.
It is not possible to adjust the temperature.	In some operation modes, such as the auto or fan only modes, you can not adjust the temperature. Select an operation mode in which you can adjust the temperature.

GENERAL USER GUIDE

OPERATION AND MAINTENANCE

Welcome to high efficiency year-round comfort.

Congratulations on your excellent choice and sound investment in a Rinnai Ducted Reverse Cycle Inverter Home Comfort System. Please also take the time to read the contents of this Operating Manual, register your product warranty and retain this document for future reference.

Your new Rinnai system represents both the latest in engineering developments and the culmination of many years of experience by one of the most reputable manufacturers of home comfort systems.

Your new unit is among the most reliable home comfort products available today. To achieve the performance and efficiency expected from your new system, please ensure the Installer is a qualified tradesperson, that the Installer has commissioned the unit and instructed you on its operation.

To assure its dependability, learn about the operation of your system and the small amount of maintenance it takes to keep it operating at its peak efficiency. With minimal care, your Rinnai system will provide you and your family with satisfying home comfort - both now and for many years to come.



Improper installation, adjustment, alteration, service, maintenance, or use, can cause explosion, fire, electric shock, or other conditions which may cause personal injury or property damage. Refer to this document or and or other accompanying manuals.

For assistance or additional information consult Rinnai, a qualified installer or authorised service agency. The qualified installer or agency should use only factory authorised components or accessories if and when servicing this product.

To better protect your investment and to eliminate unnecessary service calls, please familiarise yourself with the following:

- Your ducted system should never be operated without a clean filter properly installed. Plan to inspect the filter periodically. A clogged filter will increase operating costs and shorten the life of the unit. Supply-air and return-air registers (grilles) should not be blocked or obstructed. Restricted airflow lessens the unit's efficiency and life span.
- Outdoor (condenser / compressor) units must have unrestricted airflow. Do not cover the unit, lean any thing against it, or stand upon it. Do not allow grass clippings, leaves, or other debris to accumulate around or on top of the unit. Maintain a minimum of 300mm clearance between the outdoor unit and tall grass, shrubs, vines etc.
- Your Thermostat / Controller is the control centre for your system. Please familiarise yourself with its specific operation, as the information following is of a general nature.
- Attempting to control the system by other means - for instance, switching the electrical supply power ON and OFF, may cause damage to the unit.
- Thermostat 'jiggling' causes rapid-cycling, which is potentially dangerous to the compressor and may blow the protective fuse or circuit breaker device at the mains power supply. Do not adjust the temperature on the thermostat for any reason for at least five (5) minutes after the compressor has shut off.
- You may find that you can maintain greater personal comfort by running the FAN continuously. 'Air pockets' can form due to the structure of the building, placement of registers etc. These air pockets may create cool or warm spots. Continuous FAN operation helps minimise any temperature differences.
- Systems equipped with electronic air cleaners or humidifiers accessories offer the added benefit of having the air continuously cleaned year round, and humidified during the winter season.
- Your system removes humidity from your home during the cooling season. The Indoor unit has a (primary) condensate connected to your drainage system; but an overflow (secondary) drain should also be installed. If water is observed in the overflow drain - it may be clogged, and your installer or Rinnai should be contacted for inspection.

OPERATING YOUR SYSTEM

The operation of your systems is controlled by the indoor Thermostat / Controller. Simply adjust the Controller to maintain the indoor temperature at the level you select, subject to it being within the design conditions of the system. Typical settings are 24°C and 20°C for Cooling and Heating respectively.

The Rinnai Inverter System will automatically modulate the outdoor unit capacity in response to the demand of the conditioned space, to help ensure rapid cool down or warm up times, as well as providing more constant temperature control. Please refer to the Operating Instructions accompanying your Thermostat / Controller.

COOLING CYCLE

When operating in the COOL mode, your system will run until the indoor temperature is lowered to the level you have selected (within design conditions). On extremely hot days, your system will run for longer periods at a time and have shorter 'off' periods than on moderate days.

The following typical conditions add extra heat and/or humidity to your home causing your system to work longer to maintain comfortable conditions:

Entrance (external) doors are frequently opened & closed.	More than the usual number of people.
Operating laundry appliances or running showers.	Window furnishings open on sunny side of home.
More than the usual lights or electrical appliances operating.	System operating at or outside the original system design conditions as specified by your Installer

HEATING CYCLE

In HEAT mode, the system will provide warmth until the temperature is raised to the level you have selected. The unit will operate for longer periods to maintain a comfortable environment on colder days and nights than on moderate ones.

Defrost Cycle: When the system provides heating to your home and the outdoor temperature drops below 7.2°C, moisture may begin to freeze on the surface of the outdoor coil. If allowed to build up, this ice would impede the airflow across the coil and reduce the amount of heat absorbed from the outside air. To maintain energy efficient operation, your Rinnai Heat Pump has an automatic defrost cycle.

The defrost controls will automatically start when there is sufficient ice to interfere with normal heating operation. During defrost, the Indoor Fan will not be running. After the ice is melted, or after a maximum of 10 minutes in defrost mode, the unit will automatically resume normal heating operation.

Do not be alarmed if steam or fog appears at the Outdoor Unit during the defrost cycle. Water vapour from the melting ice may condense into a mist in the cold outdoor air.

ZONED SYSTEMS

Some home comfort systems are designed to operate on a zoned basis only – i.e. they are not designed to heat and or cool the entire home or space at one time. Generally, a zoned system will be designed by your Installer for your specific requirements. Your particular zoning configuration and the basis of design should be specified and detailed by your Installer. With zoned systems, always observe the following:

- The Return Air grille(s) are generally in the 'Common Zone', and need to be part of the conditioned space at all times.
- Close off all doors to areas that are not being conditioned – i.e. effectively isolate unconditioned spaces.
- Set your zoning configuration with your zone controls before starting your Rinnai system.
- Do not attempt to shut down more zones than the minimum as specified by your installer, as this may lead to system shut down.
- Do not attempt to heat or cool more zones than the maximum specified by your installer as this will prevent the system from being able to maintain design conditions. **NOTE:** The type of zoned system you have will have been specified by your installer. This should include information on the total number of zones, the minimum and maximum number recommended to operate at one time to maintain design conditions, and the actual design conditions (Indoor Temperature Control settings at specified Outdoor Ambient conditions for both Heating and Cooling).

PERFORMING ROUTINE MAINTENANCE

With proper maintenance and care, your Rinnai system will operate economically and dependably.

Maintenance can be accomplished easily by referring to the following general directions. However, before performing maintenance, consider these important safety precautions:

- DISCONNECT ALL ELECTRICAL POWER TO HEAT PUMP BEFORE REMOVING ACCESS PANELS TO PERFORM SERVICE OR MAINTENANCE – NOTE: THERE MAY BE MORE THAN ONE ELECTRICAL ISOLATING SWITCH
- ALTHOUGH SPECIAL CARE HAS BEEN TAKEN TO MINIMISE SHARP EDGES IN THE CONSTRUCTION OF YOUR UNIT, BE EXTREMELY CAREFUL WHEN HANDLING PARTS OR REACHING INTO THE UNIT.

CHECKING THE AIR FILTER

- Filters are supplied and fitted by your installer and are not part of the Rinnai system. A dirty air filter will cause excessive strain on the compressor and fan blower motor. This can cause the compressor to overheat and automatically shut down. In the extreme, the components will fail and will need to be replaced.
- To avoid inefficient or failed operation of your unit, **CHECK THE FILTER AT LEAST EVERY 2 TO 4 WEEKS.**
- Replace filter(s) when necessary, or clean them if they are the reusable type. Disposable filters should be replaced by similar, new filters of the same grade and dimensions.
- Reusable (permanent) type filters should be washed in a solution of cold to tepid water and very mild detergent, then rinsed and thoroughly dried. **THE FILTER MUST BE COMPLETELY DRY BEFORE BEING REPLACED.**
- To avoid prolonged shutdown of your system while a filter is being cleaned, you may wish to have an extra filter on hand. This would allow you to rotate between the two with minimal downtime for your comfort system. Extra filters are available from your Installer or a Rinnai Spare Parts outlets.
- Should you have any questions about the removal and/or cleaning of you filter(s), please contact your Installer for assistance.
- If grass clippings, leaves, shrubbery and debris are kept away from the Outdoor Unit, minimal care should be sufficient to keep the system functioning properly. However, if the outdoor coil becomes dirty, use a soft brush or vacuum and soft brush attachment to clean the exterior surface. If dirt is trapped deep within the coil, contact your Installer or Rinnai for service.

UNIT SUPPORT

- The indoor Fan Coil Unit (FCU) should be located in a position and in such a manner as specified in the Installation Instructions. The FCU should be maintained at a position that ensures condensate drainage from the unit. In an attic space, ideally the unit will be easily and safely accessible from the ceiling access panel, have a suitable catwalk and platform, and if necessary a service light.
- The outdoor Condensing Unit (CDU) requires adequate support to ensure it is level. CDUs generate condensate water in the heating mode; depending on local codes this may need to be discharged in a prescribed manner.

NON-RINNAI FIELD SUPPLIED ACCESSORIES

Your home comfort system may include field-supplied accessories that do not form part of this regular maintenance cycle. These may include: ductwork, fittings, filters, grilles, zone motors, auxiliary heaters, third party controls and other non-Rinnai supplied items.

These items may also require attention in accordance with the Original Equipment Manufacturer's (OEM) recommendations. Your installer can provide details in this regard, and should be consulted for any warranty or service matters for these items. Whilst they are an integral part of your home comfort system, these non-Rinnai items are not covered by your Rinnai Product Warranty.

Third party controls and zoning systems that interfere with the correct operation of your Rinnai Heat Pump system, and any consequential damages to Rinnai equipment as a result of such incorrect operation, will not be covered by Rinnai Warranty.

WHEN TO CALL FOR SERVICE



If ANY of the following conditions occurs, turn off your unit immediately!

- The power cord is damaged or abnormally warm
- There is a burning smell coming from the unit
- The unit emits loud or abnormal sounds
- When operated if a circuit breaker (safety, ground) is thrown or a fuse is blown
- Water leaks from the indoor unit even when the humidity level is low
- Parts are ejected out of the unit
- Foreign objects fall into the unit
- If the unit has been exposed to flooding.

DO NOT ATTEMPT TO FIX THESE YOURSELF! TURN OFF THE AIR CONDITIONER & CONTACT RINNAI.

DISPOSAL GUIDELINES

This appliance contains refrigerant and other potentially hazardous materials. When disposing of this appliance, the law requires special collection and treatment. **DO NOT** dispose of this product as household waste or unsorted municipal waste.



Special notice – Disposing of this appliance in the forest or other natural surroundings endangers your health and is bad for the environment. Hazardous substances may leak into the ground water and enter the food chain.

WARRANTY

TERMS OF WARRANTY – AUSTRALIA

Rinnai Australia Pty. Ltd. ABN 74 005 138 769, 100 Atlantic Drive, Keysborough VIC 3173.

1. DEFINITIONS

The terms listed below shall have the following meanings:

- 1.1 "Authorised Service Representative" means an independent service contractor authorised by Rinnai or Rinnai service personnel.
- 1.2 "Rinnai" means Rinnai Australia Pty. Ltd. ABN 74 005 138 769 and any related company.
- 1.3 "Certificate(s) of Compliance" means certificate(s) issued by licensed personnel including plumbers, refrigeration mechanics, electricians or other relevant trades people to certify that any prescribed works comply with applicable regulatory requirements.
- 1.4 "Certificate(s) of Occupancy" means certificate(s) issued by the local council which certifies that a home can be occupied.
- 1.5 "Installation Site" means the site at which the Product is originally installed.
- 1.6 "Normal Business Hours" means 8:30am to 5:00pm week days excluding public holidays.
- 1.7 "Operating Instructions" means the user manual or other documentation which provides detailed instructions on the proper operation and maintenance of the Product.
- 1.8 "Other Applications" means any Product used for non-Residential and Light Commercial Applications. Other Applications may include but are not limited to factory, IT/Server room, telephone exchange, processing area (e.g. bakery, kitchen, warehouse, swimming pool, agricultural facilities such as a nursery) and any Product which has been installed, for whatever purpose as a retrofit component to an existing system.
- 1.9 "Purchaser" means the end user of the Product, the person named as owner in the Warranty certificate, the holder of the Proof of Purchase or the holder of a property transfer document where the Product is included as part of the chattels.
- 1.10 "Product" means the equipment purchased by the Purchaser and described in Section 2 of this document.
- 1.11 "Proof of Purchase" means a Tax Invoice or Receipt in respect of the Product. In the case of new constructions, a Certificate of Occupancy or a Certificate of Compliance that details the date of installation or commissioning will suffice.
- 1.12 "Qualified Installer" means the qualified installation contractor who is responsible for performing the installation work in the manner prescribed by local and statutory regulations, including compliance with any relevant Australian Standards, and to Rinnai specification.
- 1.13 "Residential & Light Commercial Applications" means any Product for use in both residential and light commercial applications. For example, homes, offices, hotels, apartments, nursing homes, hospitals, health care premises, shopping centres, retail stores where the Product is solely used for purpose of human comfort under standard operating conditions.

2. TERMS OF WARRANTY

- 2.1 Subject to the Terms of Warranty set out in this document, effective from the date of purchase by the Purchaser, the Product is warranted to be free from defects in materials and factory workmanship for the period set out in the table below:

Product	Usage	Parts	Labour
Rinnai Air Conditioning Products	Residential & Light Commercial	5 Years	5 Years
	Other Applications	1 Year	1 Year
	Spare Parts	1 Year	N/A

- 2.2 Rinnai will determine in its sole discretion, which classification the Product fits into and the corresponding Warranty that shall apply.
- 2.3 An Authorised Service Representative will repair or replace, at its option, the Product or any part of the Product that its examination shows to be defective. The repair or replacement shall be performed during Normal Business Hours by an Authorised Service Representative. Repair by persons other than an Authorised Service Representative may void the Warranty.
- 2.4 The Warranty of the Product requires that, in addition to all other conditions, the Purchaser conducts regular and/or preventative maintenance as may be specified by Rinnai (e.g. Operating Instructions) and required by the level of usage and the usage environment, including the use of correct and uncontaminated refrigerants and lubricants.

3. CONDITIONS OF WARRANTY

- 3.1 The Purchaser may only obtain the benefit of the Warranty if the Purchaser:
- a) maintains and services the Product in accordance with the instructions set out in the service section of the relevant Service or Owner's Manual; b) complies with clause 7 below (titled "Purchaser's Responsibilities");
 - b) notifies Rinnai within 30 days of a defect developing, that a claim is being made under this Warranty; and
 - c) provides, in support of the claim made under this Warranty, a Proof of Purchase.
- 3.2 This document represents the only Warranty given by Rinnai and no other person or organisation is authorised by Rinnai to offer any alternative.

4. EXCLUSIONS

- 4.1 This Warranty does NOT cover:
- a) damage, problems or failure resulting from improper operation and/or inadequate maintenance by the Purchaser (refer Purchaser's Responsibilities section below);
 - b) damage, problems or failure resulting from improper or faulty installation. The Product must be installed by a Qualified Installer in accordance with applicable regulations. Where applicable, Certificate(s) of Compliance must be obtained by the purchaser from Qualified Installer and present it to the Authorised Service Representative;
 - c) damage, problems or failure caused by factors external to the Product including, but not limited to, faulty or poor external electrical wiring, incorrect or faulty power supply, voltage fluctuations, over voltage transients or electromagnetic interference, inadequate or faulty gas, drainage services, or water services, including water pressure, and non potable water;
 - d) damage, problems or failure caused by acts of God, fire, wind, lightning, flood, storm, vandalism, earthquake, war, civil insurrection, misuse, abuse, negligence, accident, pests, animals, pets, vermin, insects, spiders or entry of foreign objects or matter into the Product such as dirt, debris, soot or moisture;
 - e) damage, problems or failure caused by weather including, but not limited to, hail, salt or other corrosive substances;
 - f) Product which has been installed in a portable or mobile building, structure or application including, but not limited to, a caravan or boat;
 - g) Product which is being re-installed at a location other than the original site;
 - h) any consumable item supplied with the Product including, but not limited to, an air filter, battery, fan belt, igniter or cooler pad;
 - i) installation of third-party components that may be attached to the Product. These include, but are not limited to, control wiring, ducting, return air filter(s) grille, register, diffuser, zone motors, controls/thermostats, pipe work and fabricated or added components. These items remain solely the responsibility of the Qualified Installer;
 - j) installations where electrics/electronics may be subjected to moisture/chemicals (e.g. swimming pools or nurseries);
 - k) any repair, which is needed as a result of an accident, misuse, abuse or negligence;
 - l) Product that is utilised in an environment (indoor and outdoor) outside its specified operating range; and
 - m) fair wear and tear to the Product.

5. LIMITATIONS

- 5.1 Product fitness for purpose and overall system design, sizing and application are not the responsibility of Rinnai. This includes but is not limited to the heat load calculations, airflow and system balancing.
- 5.2 This Warranty does not apply to any Product installed at an Installation Site which is outside Australia or New Zealand.
- 5.3 Except where inconsistent with the purchaser's statutory rights and the rights given by this Warranty, all of the warranties and all liabilities of Rinnai for any direct, special, indirect or consequential loss or damage, any damage or expense for personal injury or any loss or destruction of property arising directly or indirectly from the use or inability to use the Product or any of its parts and servicing the Product, are expressly excluded.

6. TRAVEL, TRANSPORT & ACCESS COSTS

- 6.1 The Purchaser must pay freight charges, in-transit insurance expenses and travelling costs for repairs/replacements under this Warranty, that are required to be performed 100km or more from the nearest Rinnai branch or Authorised Service Representative.
- 6.2 Subject to clause 6.3, Rinnai will pay freight charges, in-transit insurance expenses and travelling costs for repairs/replacements that are required to be performed less than 100km from the nearest Rinnai branch or Authorised Service Representative. In this circumstance:
- a) Rinnai will arrange for such repairs/replacements and make any payment directly to the third party to provide the freight, in-transit insurance or travel services; or
 - b) if Rinnai considers appropriate, it will authorise the Purchaser in writing to pay for the relevant freight charges, in-transit insurance expenses or travelling costs and then, upon provision by the Purchaser to Rinnai of a tax invoice showing those costs have been incurred, reimburse the Purchaser for such costs which are within the terms of the authorisation. If the Purchaser pays for the relevant freight charges, in-transit insurance expenses or travelling costs without written authorisation from Rinnai, Rinnai will not reimburse the Purchaser for such costs.
- 6.3 The Purchaser must pay all costs and expenses in respect of:
- a) making the Product accessible for service. For example, restricted access or working at heights, or the labour cost for an additional person due to OHS requirements;
 - b) providing a safe working environment for installation, service, maintenance or repair of the product;
 - c) any surcharge applicable in respect of supplying replacement parts outside Normal Business Hours; and
 - d) any other costs and expenses in relation to claiming the Warranty that is not covered by clause 6.2.

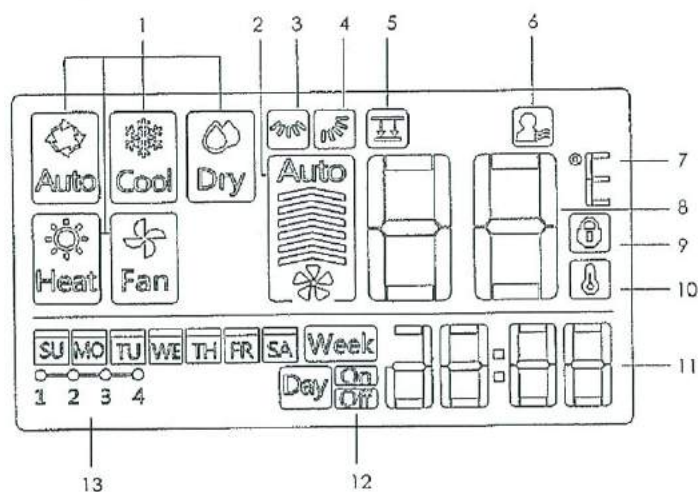
7. PURCHASER'S RESPONSIBILITIES

- 7.1 The Purchaser must operate and maintain the Product in accordance with the Operating Instructions and service maintenance schedule, including conducting an appropriate number of services to the unit during the Warranty period, based on usage and the usage environment including but not limited to:
- a) regularly cleaning the air filter(s) and replacing them where necessary;
 - b) replacing expired batteries or other consumables as required;
 - c) ensuring that the condensate drain is kept clean and clear of obstructions;
 - d) ensuring that outdoor units have unrestricted airflow and adequate clearances; e) ensuring that additional corrosion protection is applied to the Product if it is installed in a corrosive environment, for example, close to the sea.

8. STATUTORY RIGHTS

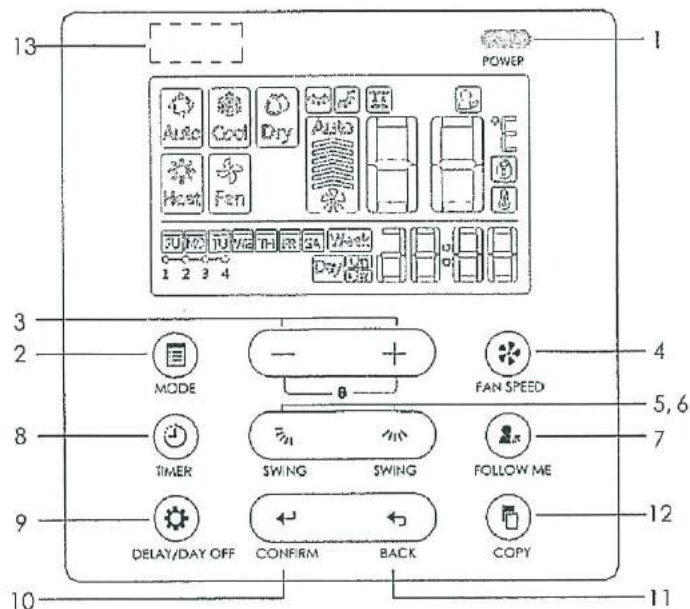
- 8.1 The benefits given by this Warranty are in addition to other rights and remedies of the consumer under a law in relation to the goods or services to which the Warranty relates.
- 8.2 Australian purchasers have their benefit of statutory rights and nothing in these terms of Warranty has the effect of excluding, restricting or modifying those rights. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

6. LCD DISPLAY LAYOUT



- | | |
|-------------------------------|-------------------------------|
| 1 Operating mode indicator | 8 Temperature display |
| 2 Fan speed indicator | 9 Lock indicator |
| 3 Left-right swing indicator | 10 Room temperature indicator |
| 4 Vertical swing indicator | 11 Clock display |
| 5 Function not applicable | 12 On/Off timer |
| 6 Follow me indicator | 13 Timer display |
| 7 Temperature C°/F° indicator | |

7. BUTTON DESCRIPTION



7. WIRED CONTROL BUTTON DESCRIPTION

- 2 MODE
- 3 Adjustment up and down
- 4 FAN SPEED
- 5 Vertical airflow direction and swing
- 6 Horizontal swing
- 7 FOLLOW ME
- 8 TIMER
- 9 DELAY/DAY OFF
- 10 CONFIRM
- 11 BACK
- 12 COPY
- 13 Remote receiver (some models)

8. PREPARATORY OPERATION

Set the current day and time



Press the **TIMER** button for 3 seconds or more.
The timer display will flash.



Press the "+" or "-" adjust buttons to set the date.
The selected date will flash.



After setting the day and time, press the **TIMER** button to exit. The control will exit if no buttons are pressed within 10 seconds.



Press the "+" or "-" adjust buttons to set the current time.
Press repeatedly to adjust the time in 1 minute increments.
Press and hold to adjust the time rapidly.



ex. Monday AM 11:20



The setting is complete after pressing **TIMER** button or if no buttons are pressed within 10 seconds.

9. OPERATION

To start/stop operation



Press the POWER button.

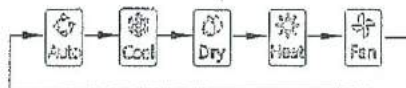
Operation lamp
System ON : Lamp is lit
System OFF : Lamp is not lit

To set the operation mode

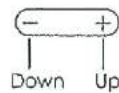
Operation mode setting



Press the MODE button to set the operation mode.



Room temperature setting



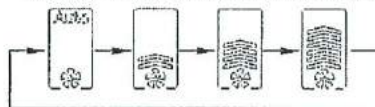
Press the "+" or "-" adjust buttons to set the room temperature :

Indoor Setting Temperature Range :
17-30°C

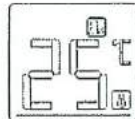
Fan speed setting



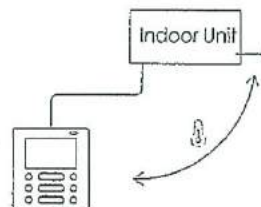
Press the FAN SPEED button to set the fan speed.
(This function is unavailable in AUTO or DRY modes)




Room temperature sensor selection



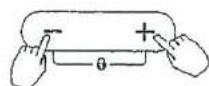
Press the FOLLOW ME button to select whether the room temperature is detected up at the indoor unit or at the wired control position.



When the Follow me function indication  is lit, the room temperature is being detected at the wired control.

9. OPERATION

Child lock function



Press the "+" and "-" adjust buttons simultaneously for 3 seconds to activate the child lock function. This will lock all buttons on the wired control. Press the same buttons again for 3 seconds to deactivate the child lock.

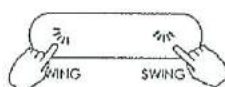
When the child lock function is activated, the  indicator appears.



Keypad tone setting



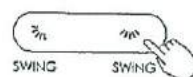
Press the "BACK" and "COPY" button simultaneously for 3 seconds to turn off the keypad tone. Press the same buttons again for 3 seconds to turn on the keypad tone.



°C & °F temperature scale selection




Press and hold  and  buttons together for 3 seconds will alternate the temperature display between the °C and °F

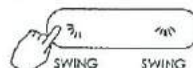
Left-Right swing (applicable products)




Press the  button to start Left-Right swing function. Press the  button again to stop.



When the Left-Right swing function is activated, the  indicator appears.

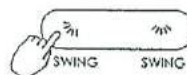
Up-Down airflow direction and swing (applicable products)




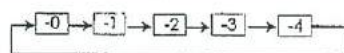
1. For every press of the SWING button, the louver changes in 6 degree increments.
2. Press and hold the button for 2 seconds to turn on the automatic SWING mode. Press the button again to stop the automatic SWING. When the automatic SWING function is activated, the  indicator appears.


• Please refer to the following instructions for products where the louvers can be operated individually.

1. Press the  button to activate the Up-Down louver function. The  indicator will flash.





2. Pressing the "+" or "-" adjust buttons to select the adjustment of the four louvers. Each time you push the button, the wired control selects the louver in the following sequence. (The  icon denotes the four louvers move simultaneously.)





3. Use the  button to adjust the Up-Down direction of the selected louver.

10. TIMER FUNCTIONS

 **WEEKLY timer**
Use this timer function to set operating times for each day of the week.



 **On timer**
Use this timer function to start the system. The timer operates and the system starts after the set time has expired.

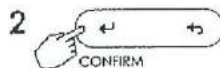
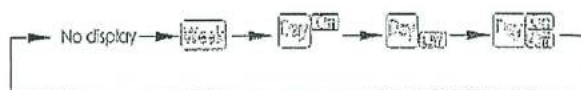
 **Off timer**
Use this timer function to stop the system. The timer operates and the system stops after the set time has expired.

 **On and Off timer**
Use this timer function to start and stop the system. The timer operates, and the system starts and stops after the set times have expired.

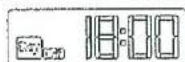
To set the On or Off TIMER



Press the TIMER button to select the  or .



Press the CONFIRM button, the Clock display is flashing.



Example: Off timer set at PM 6:00


Press the "+" or "-" adjust buttons to set the time. After the required time is set and confirmed, the timer is enabled.

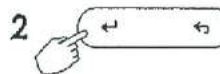


Press the CONFIRM button again to complete the setting.

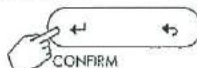
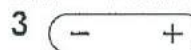
To set the On and Off TIMER



Press the TIMER button to select the .



Press the CONFIRM button, the Clock display is flashing.



Press the "+" or "-" adjust buttons to set the timer On time. Press the CONFIRM button to complete the setting.



Press the "+" or "-" adjust buttons to set the timer Off time.



Press the CONFIRM button to complete the setting.

11. WEEKLY TIMER

1 Weekly timer setting



Press the TIMER button to select the **Week**, press the CONFIRM button to confirm.

2 Day of the week setting



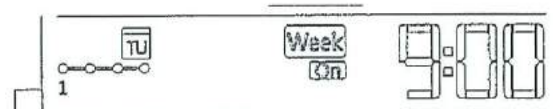
Press the "+" or "-" adjust buttons to select the day of the week. Press the CONFIRM button to confirm the setting.



3 ON timer setting of timer setting 1



Press the "+" or "-" adjust buttons to set the timer On time. Press the CONFIRM button to confirm the setting.



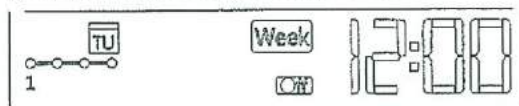
Example: Tuesday time period 1

Up to 4 timer settings can be saved for each day of the week. This allows the user to configure the week timer to suit their lifestyle.

4 Off timer setting of timer period 1



Press the "+" or "-" adjust buttons to set the timer Off time. Press the Confirm button to confirm the setting.



Example: Tuesday time period 1

5 Different timer settings can be set by repeating step 3 to 4.

6 Other days in the week can be set by repeating step 2 to 5.

NOTE: The weekly timer setting can be returned to the previous step by pressing the BACK button.

The time of timer setting can be deleted by pressing the DAY OFF button. The current setting will be restored and the system will exit the weekly timer setting automatically if there is no operation for 30 seconds.

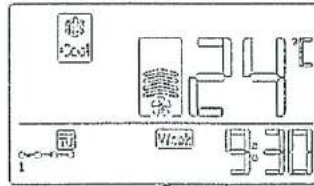
11. WEEKLY TIMER

WEEKLY timer operation

To activate the WEEKLY TIMER operation



Press the TIMER button while **Wash** is displayed on the screen.



example

To deactivate the WEEKLY TIMER operation

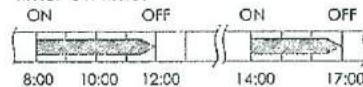


Press the TIMER button, the **Wash** indicator will disappear.

• To turn off the system during weekly timer operation



1. Press the POWER button once quickly, and the system will turn off temporarily. The system will turn on automatically at the next set timer On time.



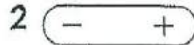
For example, if the POWER button is pressed once quickly at 10:00, the system will turn on again at the next set time of 14:00.

2. Press the POWER button for 2 seconds to turn the system off completely, this overrides the weekly timer function.

To set the DAY OFF (for a holiday)



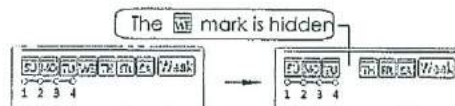
In weekly timer mode, press the CONFIRM button.



Press the "+" or "-" adjust buttons to select the day of the week.

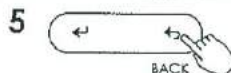


Press the DAY OFF button to set the DAY OFF.



Example: The DAY OFF is set for Wednesday

4 The DAY OFF can be selected for other days by repeating steps 2 and 3.



Press the BACK button to go back to the weekly timer function.

To cancel: Follow the same procedures as those for setup

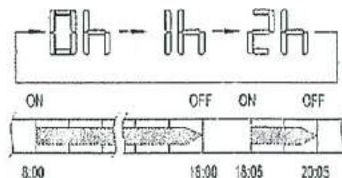
Note: The DAY OFF setting is cancelled automatically after the set day is passed.

11. WEEKLY TIMER

DELAY function



In the weekly timer function, press the DELAY button once, the display will read "0h". Press this button twice, the display will read "1h". Wait 3 seconds to confirm. This means the unit will override the settings for 1 hour. Press the delay button 3 times, the display will read "2h". Wait 3 seconds to confirm, the unit will now override for 2 hours.



Example: Press the DELAY button to select "2h" at 18:05, and the unit will delay turning off for 2 hours, until 20:05.

Copy the setting from one day into another other day.

Settings made once can be copied into another day of the week. All of the settings of the selected day of the week will be copied. The copy function simplifies the programming functions and saves setting time.

- 1 In the weekly timer function, press the CONFIRM button.

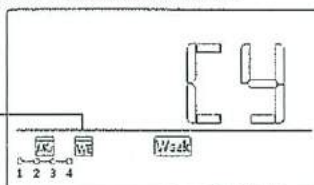
- 2 Press the "+" or "-" adjust buttons to select the preset day to copy from.

- 3 Press the COPY button, the letter "CY" will be displayed on the screen.

- 4 Press the "+" or "-" adjust buttons to select the day to copy to.

- 5 Press the COPY button to confirm.

The icon flashes quickly



Example: Copy the setting of Monday to Wednesday

- 6 Other days can be copied by repeating step 4 and 5.

- 7 Press the Confirm button to confirm the settings.

- 8 Press the Back button to go back to the weekly timer function.

12. FAULT CODE DEFINITION

If the system does not operate correctly, the following faults may be evident. Investigate the system fault in accordance to the following fault codes.

NO	FAULT CODE DESCRIPTION	FAULT CODE DISPLAYED
1	Communication error between wired control and indoor unit	F0
2	Power supply phase error	E0
3	Communication error between indoor unit and outdoor unit	E1
4	Sensor T1 fault	E2
5	Sensor T2A fault	E3
6	Sensor T2B fault	E4
7	Sensors T3/T4 fault, or compressor discharge sensor fault	E5
8	System anti-freeze protection	E6
9	EEPROM (electronic control) malfunction	E7

10	Fan speed error	E8
11	Communication error between the main and sub board (display)	E9
12	Compressor current protection (four times)	EA
13	IPM malfunction	EB
14	Fresh Air malfunction	EC
15	Outdoor unit protection fault	ED
16	Water-level alarm and/or other malfunction	EE
17	Other malfunction	EF
18	Master control lockout	CP

Rinnai

Rinnai Australia Pty. Ltd. ABN 74 005 138 769

Head Office

100 Atlantic Drive,
Keysborough VIC 3173

P.O. Box 460
Braeside, Victoria 3195

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 once a year.

Product Sales and Service - National

Phone: 1300 555 545* Fax: 1300 555 655*

Technical Helpline and Spare Parts

National (Mon-Fri 8am - 5.30pm EST)

Phone: 1300 555 545* Fax: 1300 300 141*

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

E-mail: enquiry@rinnai.com.au

For further information visit: www.rinnai.com.au

Part Number: B063819
December 2016
EQPL38586755
Issue A



Reverse Cycle Ducted Air Conditioning

GENERAL INFORMATION

GENERAL

- During the summer/cooling period your indoor unit produces condensation, which drains away via the condensate line, usually to the gutter. To prevent damage to your ceiling, your system has been fitted with a 'Safety Condensate Tray'. Should this drain become blocked you will notice constant dripping from the safety drain outlet, normally at the eaves – please contact our office for service.
- Please Note: During periods of high humidity, small amounts may come from the outlet which is normal.
- Your system is not an **instant** cooling or heating system. Please allow sufficient time for the system to heat or cool your home.
- When not at home or when sleeping set the temperature a few degrees higher (cooling) or lower (heating) than usual to reduce running time.
- Temperature settings and expectations should not be excessive.

We recommend: **Cooling - 22 to 25 degrees**
 Heating - 18 to 22 degrees

- Your system is affected by the outside temperature - when extreme conditions exist, the system will run more frequently or even continuously to maintain conditions.
- During the heating cycle in winter, condensate may come from the condenser (outdoor unit) - **this is normal**.
- Your zones are controlled by motorised controllers. Allow sufficient time to open approximately 3 to 5 minutes.

YEARLY MAINTENANCE

To ensure continuing high performance and to minimise the possibility of premature equipment failure, yearly maintenance should be performed on the air conditioning equipment.

DO'S & DONT'S

- If the system is turned off, wait approximately 2 or 3 minutes before re-starting, as compressor damage or circuit breaker tripping may occur.
- Whilst the air conditioning is operating, do not move the thermostat setting more than 2° C at one time, to avoid a sudden change from heating to cooling or vice versa, as compressor damage or circuit breaker tripping may occur.
- Your filter needs to be kept clean – we suggest it be cleaned at the start of each cooling and heating period.
- Always use a minimum of one zone.
- Trim trees and shrubs from growing over or too close to the outdoor unit.

BEFORE RINGING FOR SERVICE

Please check the following:

- Have all the items, mentioned above, been checked and adhered to?
- Has the main isolating switch/circuit breaker been turned off?
- If the outdoor unit will not operate, is the thermostat set too high in summer or too low in the winter?
- Is the filter clean?
- Have any circuit breakers in the switchboard tripped?

WARRANTY

The equipment offered is covered by the manufacturer's standard warranty for material and workmanship. Warranty work is carried out by Ample Air's technicians.

Ductwork, Fitting & Diffusion	-	10 years parts only
Electric Damper Motors	-	Manufacturer's warranty
Installation & Workmanship	-	1 years labour

It should be noted that work carried out by unauthorised personnel shall void any warranties.

Warranty calls shall be carried out from 8.00am to 4.30pm Monday – Friday.

No responsibility shall be accepted for damage to the system or property, if it is found that continual use of a faulty system has occurred.

No responsibility shall be accepted for delays due to:

- Unavailability of parts from manufacturers/suppliers.
- Extreme delays due to high demand.

Please Note:

One (1) air balance of the system is covered for a period of 12 months only.

EQUIPMENT

The manufacturer warrants that the Product is free from defects in materials and factory workmanship. Subject to the manufacturer's terms of warranty, the manufacturer will repair/replace at its option, the Product or any part of the Product which its examination shows to be defective, for a period of 5 years from the date of purchase by the Purchaser.

Warranty service will only be conducted during normal business hours – Monday to Friday. The manufacturer may from time to time authorise agents to carry out repairs on their behalf. No repair may be carried out by agents without the manufacturer's express approval. Repairs by non-authorised agents may void warranty.

For a copy please contact the manufacturer.

PURCHASER'S RESPONSIBILITIES

The Purchaser must operate and maintain the Product in accordance with the Operating Instructions and service maintenance schedule, including conducting an appropriate number of services to the unit during the Warranty period, based on usage and the usage environment including but not limited to:

- Regularly cleaning the air filter(s) and replacing them where necessary;
- Replacing expired batteries or other consumables as required;
- Ensuring that the condensate drain is kept clean and clear of obstructions;
- Ensuring that outdoor units have unrestricted airflow and adequate clearances;
- Ensuring that additional corrosion protection is applied to the Product if it is installed in a corrosive environment, for example, close to the sea.

Items not covered by Warranty - and are therefore the responsibility of the purchaser:

- Service calls due to:
 - Dirty filters
 - Blown fuses
 - Main isolator switched off
 - Incorrect operation of controls.
 - Blocked Drains
 - Tripped circuit breakers
- Failure to start due to voltage conditions or other damage due to inadequacy or interruption of electrical service.
- Damage caused by accident, misapplication, abuse, alteration or tampering.
- Damage caused by use of air conditioning unit in a corrosive atmosphere.
- Filter cleaning and/or replacement, unless defective.
- Cleaning/maintenance of the air conditioning unit.
- Calls made to check operation of equipment that is found to be working satisfactorily.
- Remounting of the outdoor unit due to ground subsidence.
- Modifications to system after installation due to change of requirements.
- Relocation of equipment due to complaints of noise level or inappropriate location.

The PURCHASER WILL BE CHARGED for work done or service call(s) if:

- The problem is not covered by these Terms of Warranty
- There is nothing wrong with the product (e.g. instructing Purchaser on the operation of the Product and/or controls)

We recommend that you read the operating instructions, and in particular the Do's and Don'ts section of the Operating Instructions, before you make a Warranty service call.

For any further enquiries regarding your air conditioning system or if we can assist you in any other way please call on us.

FOR ALL ENQUIRIES

Office and Showroom: 9 Railway Street,
Emu Plains

Phone: 1800 221 348

Fax: 9673 3224

Email: Sales – sales@ampleair.com.au
Service – service@ampleair.com.au

Website: www.ampleair.com.au

Sales & Service Office hours: Monday to Friday 8.30am – 4.30pm
Saturday – by appointment only

Service Technicians' Hours: Monday to Friday 8.00am to 4.30pm

DUCTED SYSTEM - WINTER DEFROST

- * All reverse cycle ducted air conditioning systems are affected by the outdoor temperature - the colder outside, the less heating inside.
- * When it is cold outside, most systems develop ice or frost on the outside motor.
- * All reverse cycle systems have some form of 'defrosting' method to remove this ice.
- * When this occurs, the ice melts and turns to steam, sometimes mistaken for smoke. **This is quite normal.**
- * A loud whooshing noise can sometimes be heard. **This is quite normal.**
- * Some methods of defrost also stop the fan motor (outside unit) from working, whilst the compressor continues to operate. **Again normal.**
- * When extremely cold outside some older units, remain on defrost for a long time and you may think the unit is faulty.
- * It is important to leave the unit operating so that it can complete the defrost cycle. If the unit is switched off before completing the cycle, it may still be locked into this defrost mode when again switched on. The defrost process should only last up to five minutes, if not a service call maybe required.
- * During some defrost cycles, a cold draft of air can come from the outlets.
- * Do not hose down or pour water over a unit with ice on it. As it may cause damage to the electrical components.
- * If you are still unsure about defrost, a service call maybe required to check the unit on site.