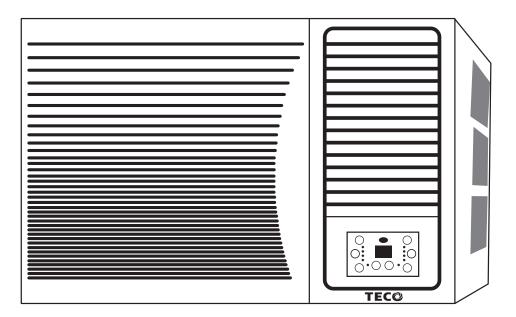


Window - Wall Type Room Air Conditioner

User's Manual

R32 Refrigerant Models

TWW16CFCG	TWW22HFCG
TWW22CFCG	TWW27HFCG
TWW27CFCG	TWW40HFCG
TWW40CFCG	TWW53HFCG
TWW53CFCG	TWW60HFCG
TWW60CFCG	



Thank you for selecting our super quality Air Conditioner. To ensure satisfactory operation for many years to come, this User's Manual should be read carefully before using your air conditioner. After reading, store it in a safe place. Please refer to the manual for questions on use or in the event that any irregularities occur.

Foreword

Congratulations on your purchase of a TECO room air conditioner. To assist you in protecting your investment and maintaining the appliances satisfactory operation, three simple steps are provided for you to follow.

They are:

- 1. Ensure that your air conditioner is installed according to the specifications detailed in this booklet.
- 2. Familiarise yourself with the correct operation of the air conditioners controls and switches.
- 3. Maintain your air conditioner at regular intervals.

Thank you for taking the time to read this booklet and we trust you enjoy the comfort obtained from your TECO room air conditioner.

The information contained in this material is provided by Teco Australia Pty Ltd in good faith. The information supplied to our knowledge is correct; however is subject to change without notice, therefore before relying on the material in any important matter, users should carefully evaluate its accuracy, completeness and relevance for their purpose. It is not intended as a substitute for consulting the relevant legislation or for obtaining appropriate professional advice relevant to your particular circumstances.

Teco Australia Pty Ltd cannot accept responsibility or liability for any loss, damage, cost or expense you might incur as a result of the use of or reliance on information provided. It is not intended to be, and should not be relied upon as the ultimate and/or complete source of information.

CAUTION ICON

CALITION

Read Before Use

or specified installation or maintenance procedures.

This symbol indicates

damaging the appliance

information on how to avoid



WARNING ICON This symbol indicates information concerning your personal safety

The Refrigerant



R32



• Compared to other commonly used refrigerants, R32 has a lower global warming potential and a zero ozone depleting potential. R32 has good thermodynamic features which lead to a really high energy efficiency. The units therefore require less refrigerant than previously used with other refrigerants.

• The refrigerant used in this appliance is the mildly flammable **HFC R32** (difluoromethane). It is contained within the sealed system and does not pose a risk during normal operation

Read Before

Installation

FLAMMABLE ICON

This symbol indicates

flammable R32 refrigerant

appliance filled with

Read Before

Servicing

R32

- If the refrigerant circuit should become damaged and a leak is observed, avoid open flames and sources of ignition.
- Disconnect the power to the appliance from the mains power. As this appliance uses a plug to supply power do not switch off from the appliance controls or the power point.
- Thoroughly ventilate the room in which the appliance is situated for several minutes before using other appliances or sources of ignition.
- Contact TECO customer service for advice.

Index

Safety Precautions		 	 	 4
Functions		 	 	 6
Operating Condition	S	 	 	 7
Installation		 	 	 8
Part Identification		 	 	 10
Control Panel		 	 	 11
RemoteControl		 	 	 12
Operation Tips		 	 	 16
General Operation		 	 	 17
Care & Maintenance		 	 	 19
Troubleshooting		 	 	 20

Safety Precautions

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.



- Do not start or stop the appliance by unplugging and plugging the power cord. This may result in fire and/or electric shock
- Do not use any extension cords, or adapters to connect this appliance. Do not connect via an extension lead. Extension leads do not guarantee the required safety of the appliance (e.g. danger of overheating, this can result in fire and/or electric shock).
- Do not damage or modify the power cord or plug. Do not tamper with, tie or twist the power cord.
 Do not place heavy items on the power cord or subject the power cord to heat.
 This can result in fi re and/or electric shock.
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or TECO service center.
- Do not put your fingers or any objects, into the air outlet and inlet. Please do not touch the swing louvres.

The internal fan rotates at a high speed, and thus such an action may result in an injury or malfunction

- Do not attempt to repair, take apart, or modify the appliance. It may result in fire and/or electric shock. Refer servicing to your dealer or Teco Service Centre.
- Do not put the appliance near heat generating devices (such as stoves, fan heaters, etc.). The plastic parts may melt causing fire.
- Wipe dust off the power plug and insert the plug firmly into the power outlet socket. If the plug is not fully inserted in the power outlet socket, dust may gather on the connectors which in turn may cause fire and/or electric shock.
- Should a malfunction occur (a smell of burning, etc.), switch off the appliance and unplug it from the power outlet socket.

Continuing to operate a malfunctioning appliance may result in fire, electric shock, and further malfunction.

Contact your dealer or Teco Service Centre for consultation.

• Do not cover the air inlet and the air outlet with clothes, curtains, etc.

This results in poor ventilation and may cause heat generation and fire.

• Do not put flower vases or any other objects filled with water on the unit.

Water may leak into the appliance adversely affecting the electric insulation and cause electric shock and/ or fire by short-circuiting.

- Do not use the appliance for special purposes, such as preservation of food, art works etc. This may negatively affect the quality of the items stored.
- If there is a possibility that the temperature around the drainage hose (field supplied) could drop to freezing point.

Water inside the hose may freeze and prevent the water from flowing out. The water may leak from the appliance and damage surrounding objects.

- Do not block the drainage outlet or continuous drainage hose (field supplied).
- If using the appliance or fixed drainage for a long time ensure the internal and external drain is clear.

When using the appliance after a long period of time or when draining water continuously for a long time with no assistance, check the unit periodically for foreign objects, etc. that could clog the hose resulting in heat generation and/or a water leakage.

- Do not use the appliance in places that may be subject to oil or flammable gas leakage. Such a leakage around the appliance may cause combustion and fire.
- Do not wash the appliance with water.

It may cause an electric shock.

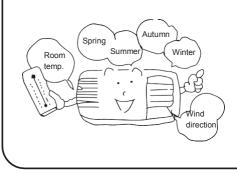
- Do not use the appliance where it is likely to come in contact with water. Exposure to water may result in fire or electric shock caused by a leak of electricity.
- All electrical work should be carried out by a suitably qualified and competent person, in strict accordance with current national and local safety regulations.

For extra safety it is advisable to install a suitable residual current device (RCD). Contact a qualified electrician for advice.

- Ensure power is not supplied to the appliance until after installation work has been carried out.
- The appliance is supplied with a mains cable with moulded plug ready for connection to a single phase power supply within a voltage range of 220~240V/50Hz.
- Please ensure the electrical connection data plate information match the household mains supply.
- Connection should be made via a suitable switched socket which is easily accessible after installation.



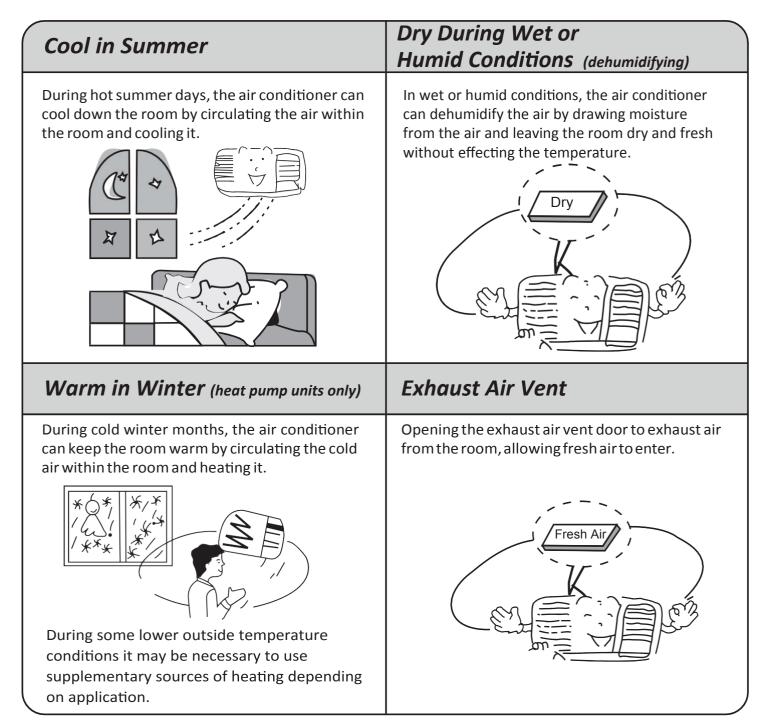
Introduction



TECO's window - wall room air conditioners are engineered to maintain a comfortable temperature.

Each unit comes packed with a host of features that make it easy for you to operate, set and forget.

Simple and clever controls let you reach optimum comfort with ease.



Please operate the air conditioner in the correct conditions as follows:

COOL & HEAT mode operation	DRY mode operation
Outdoor air on temperature should be between 18°C ~ 43°C for cooling and 1°C ~ 24°C for heating. Operation outside these temperature ranges may effect the performance of the air conditioner. Room humidity should be lower than 90%. Otherwise, it is possible for the air conditioner to form moisture or dew on the front panel of the air conditioner. This indicates normal operation.	Outdoor air on temperature should be in the range of 18°C ~ 43°C. Operation outside these air on temperature ranges may effect the performance of the air conditioner.

Power Requirements



Rated voltage and voltage range: 220~240V. The electric components could be damaged when the voltage is too high.

If the voltage is too low, the compressor could vibrate violently to damage the refrigerant system and easily cause the compressor and electric components not operate correctly.





All earth leads must be connected.

An approved power outlet must be used. Furthermore, the power outlet must conform to the wiring regulations.

WARNING

All electrical wiring and connections must comply to the current electrical Australian Standards and Wiring rules.

Earth Wire To ensure the reliable earthing, please do not connect earth wire to water pipes.





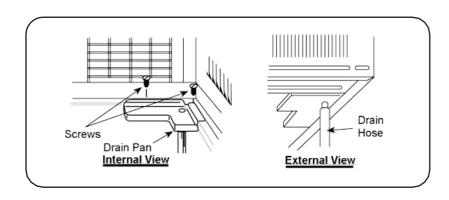
Teco Australia Pty Ltd does not warrant the equipment supplied by Teco Australia Pty Ltd, will as installed, comply with the Building Code of Australia or any other similar standard or code. The customer/contractor is solely responsible for ensuring that the equipment installed complies with any relevant code or standard.

IMPORTANT NOTICE



Due to various wall and window types and constructions, Teco Australia Pty Ltd recommends the window/wall type room air conditioner must be installed with compliance to the Building Code of Australia, Local Government or body corporate requirements. Please consult your local builder or air conditioning contractor. All hardware required to install the air conditioner is field supplied.

Drainage



To get the maximum cooling efficiency, the air conditioner is designed to splash the condensation water on the condenser coil. The cooling & heating model has a thermostatically controlled drain mechanicism. The drain will open <14°C (approx.) to allow water to flow from the base of the unit and will close >15°C (approx.).

WARNING:

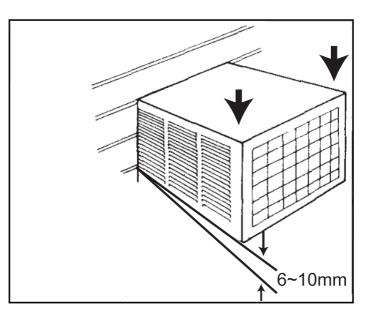
Do not push any object into the condensate drain hole as it may damage the condensation water thermostat mounted above.

The cooling only models, If the splashing sound annoys you, you can provide an outside drain by using the following procedure, which may however cause a small loss of performance.

- If a drain is required, please follow the steps below.
- 1. Slide out the chassis from the cabinet.
- 2. Remove the rubber plug from the body base plate.
- 3. Install the drain pan to the corner of the cabinet with 2 screws.
- 4. Connect the drain hose (field supplied) to the outlet on the drain pan bottom.
- 5. Slide the chassis into its original place in the cabinet.

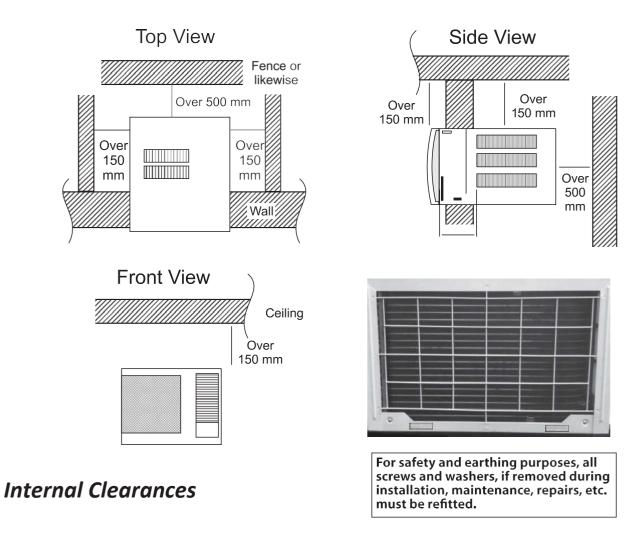
Tilt

When installing the unit, to clear condensate from the unit, the back edge of the cabinet should be approximately 6mm lower than the front edge.

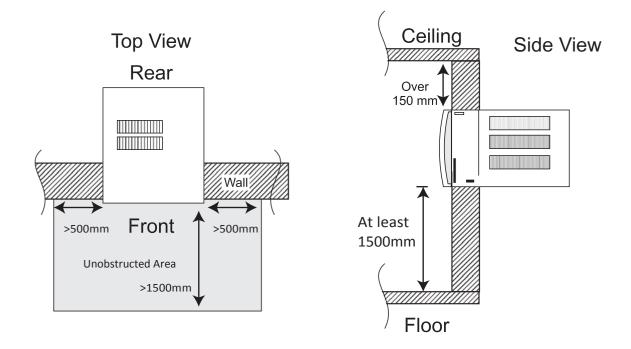


External Clearances

A clear area is necessary around the exterior of the cabinet to allow adequate fresh air flow through the unit. The minimum clearances required are shown below.

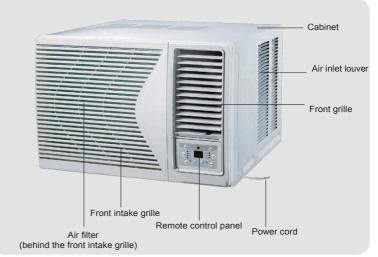


A clear area is necessary around the interior of the cabinet to allow adequate air flow through the unit. The minimum clearances required are shown below.



Part identification





Air direction adjustment

All images are for Illustration purposes only.

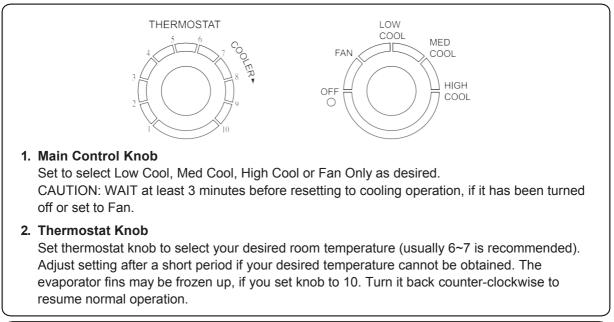
Vertical airflow direction vane

(Airflow direction adjustment up and down).

The vertical airflow direction vane is controlled by positioning the vane to discharge the air upwards, downwards or straight out.

Main switch operation procedure

For TWW16CFCG Only



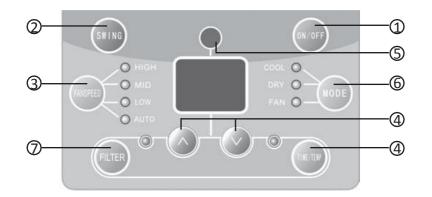


3. Air Swing Switch

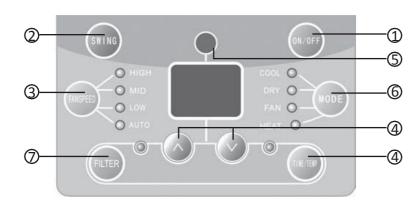
(Airflow direction adjustment Side-to-Side)

To obtain a fix airflow direction, set the air swing switch to "ON" for the vanes to swing from side to side until the desired flow direction is reached, then switch it to "OFF". For continuous side-to-side air circulation, set the air swing switch to "ON".

Cooling Only Models



Cooling & Heating Models



DOWER BUTTON

Operation starts or stops when this button is pressed ② SWING BUTTON

- Activate the automatic air swing function
- ③ FAN SPEED BUTTON

Select the fan speed HIGH, MID, LOW and AUTO in sequence.

() TIME/TEMP BUTTON

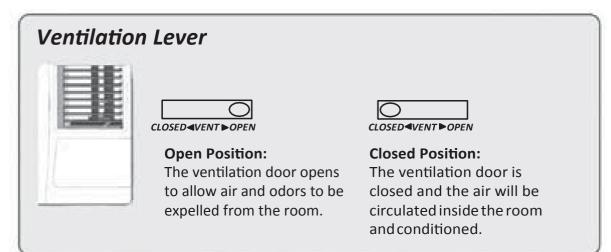
Press the \bigotimes keypad to increase the set (operating) temperature of the unit and press the \bigotimes keypad to decrease the set (operating) temperature of the unit. The temperature setting range is from 16°C~30°C Press the \bigotimes keypad also to increase the selected time in 1 hour increments and pressing the \bigotimes keypad to decrease the selected time in 1 hour decrements.

SIGNAL RECEIVER

Select the operation mode, AUTO, HEAT, COOL, FAN, DRY (for reverse cycle model) or AUTO, COOL, FAN, DRY (for cooling only model).

⑦ FILTER BUTTON

This feature is a reminder to clean the Air Filter (see Care & Cleaning). The LED light will illuminate after 250 hours operation. To reset after cleaning the filter, press the Filter button and the light will go off. If the filter requires cleaning prior to the 250 hours of operation, remove, clean and replace the filter. To reset the timer, press the Filter button for at least 3 seconds and the accumulated time of operation will be cancelled.



Name & Function of Wireless Remote Control

Remote Control

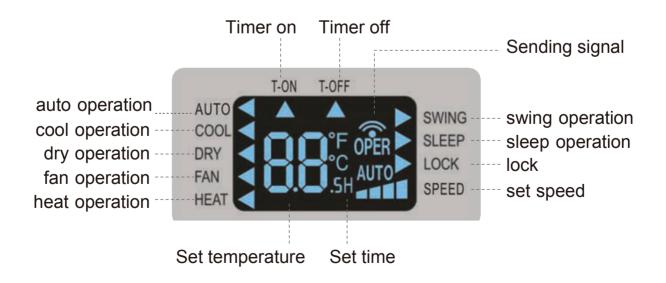
(Not applicable to TWW16CFCG)

NOTE:

- Ensure there are no obstructions between receiver (air conditioner front panel) and remote controller.
- Do not drop or throw the remote control.
- Do not let any liquid in the remote control.
- Do not place the remote control in direct sunlight or any location with excessive heat.



Icons on the display screen



(Not applicable to TWW16CFCG)

Note:

- When power is connected(stand by condition), you can operate the air conditioner through the remote controller.
- When unit is on, each time you press the button on remote controller, the sending signal icon "• on the display of emote controller will blink once. If the air conditioner gives out a beep sound, it means the signal has been sent.
- When unit is off, set temperature will be displayed on the remote controller (If the light of indoor unit display is turned on, the corresponding icon will be displayed); When unit is on, it will display the icon of the on-going function.

1 ON/OFF button

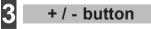
Press this button to turn unit on/off.

2 MODE button

Pressing this button once can select your required mode circularly as below (the corresponding icon " **4**" will be lit up after the mode is selected):



- When selecting auto mode, air conditioner will operate automatically according to ambient temperature. Set temperature can't be adjusted and won't be displayed either. Press FAN button to adjust fan speed.
- When selecting cool mode, air conditioner will operate under cool mode. Then press + or button to adjust set temperature. Press FAN button to adjust fan speed.
- When selecting dry mode, air conditioner will operate at low fan speed under dry mode. In dry mode, fan speed can't be adjusted.
- When selecting fan mode, air conditioner will operate in fan mode only. Then press FAN button to adjust fan speed.
- When selecting heat mode, air conditioner will operate under heat mode. Then press + or button to adjust set temperature. Press FAN button to adjust fan speed. (Cooling only unit can't receive heating mode signal. If set HEAT mode by remote controller, press ON/OFF button can't turn on the air conditioner.)
- When in HEAT mode, the operation may stop from time to time to perform defrost function. during defrost **H1** will be displayed. See page 16



- Pressing + or button once will increase or decrease set temperature by 1°F(°C).
 Hold + or button for 2s, set temperature on remote controller will change quickly.
 Release the button after your required set temperature is reached.
- When setting Timer On or Timer Off , press + or button to adjust the time.(See TIMER Button for setting details)

Name & Function of Wireless Remote Control

Remote Control

(Not applicable to TWW16CFCG)

4 FAN button

Pressing this button can select fan speed circularly as: AUTO, SPEED 1 (____),

SPEED 2 (\blacksquare) (unavailable in this air conditioner. Speed 2 is the same with speed SPEED 3 (\blacksquare), SPEED 4 (\blacksquare) (unavailable in this air conditioner. Speed 4 is the with speed 3.).



Note:

7

- Under Auto speed, air conditioner will select proper fan speed automatically according to ambient temperature.
- Fan speed can't be adjusted under Dry mode.

SWING button

Press this button to turn on vertical louver swing operation.

SLEEP button

Under Cool, Heat mode, press this button to turn on Sleep function. Press this button to cancel Sleep function. Under Fan, Dry and Auto mode, this function is unavailable.

TIMER button

- When unit is on, press this button to set Timer Off. T-OFF and H icon will be blinking. Within 5s, press + or - button to adjust the time for Timer Off. Pressing + or - button once will increase or decrease the time by 0.5h. Hold + or - button for 2s, time will change quickly. Release the button after your required set time is reached. Then press TIMER button to confirm it. T-OFF and H icon will stop blinking.
- When unit is off, press this button to set Timer On. T-ON and H icon will be blinking. Within 5s, press + or - button to adjust the time for Timer On. Pressing + or - button once will increase or decrease the time by 0.5h. Hold + or - button for 2s, time will change quickly. Release the button after your required set time is reached. Then press TIMER button to confirm it. T-ON and H icon will stop blinking.
- Cancel Timer On/Off: If Timer function is set up, press TIMER button once to review the remaining time. Within 5s, press TIMER button again to cancel this function.

(Not applicable to TWW16CFCG)

Note:

• Range of time setting is: 0.5~24h

• The interval between two motions can't exceed 5s, otherwise the remote controller will exit setting status.

Combined Button Functions

Child Lock Function

Press "+" and "-" buttons simultaneously to turn on or turn off child lock function. When child lock function is active, the LOCK indicator will be displayed on the remote. No signal will be sent from the remote while it is in Child Lock.

Switching between centigrade and

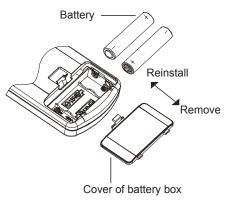
While the air conditioner is off, press both "MODE" and "-" buttons simultaneously to switch between °C and °F.

Getting Started

- 1. Connect the power to the air conditioner. Press the ON/OFF button on the remote controller to turn on the unit.
- 2. Press the MODE button to select between AUTO, COOL, DRY, FAN or HEAT.
- 3. Press + or buttons to set the required temperature. The temperature cannot be set under AUTO mode.
- 4. Press FAN button to set from the following fan speeds Auto, Low, Medium and High.

Changing the remote controller batteries

- 1. Press the remote controller back cover downward while sliding the cover in the direction of the arrow.
- 2. Remove the exiting batteries.
- 3. Insert two new AAA 1.5V batteries. Ensure the batteries are inserted in the correct direction as in the image to the right.
- 4. Replace the back cover once the batteries are securely in place.



Notes



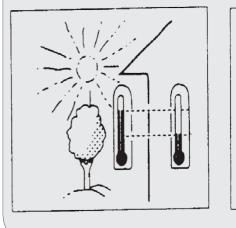
- When changing the batteries, do not mix new and old batteries. Do not mix brands or battery types.
- If the remote control is not used for long periods, remove the batteries to reduce the chance of leakage and damage to the remote.
- The remote has a limited range. This range reduces over time as the batteries lose charge.
- When using the remote, keep away (>1M) from other wireless appliances.
- When the remote does not operate, remove the batteries, wait 30sec. and replace them. If problems persist, replace with new batteries.

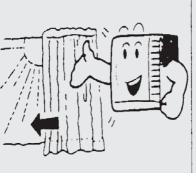
Operation in heating mode

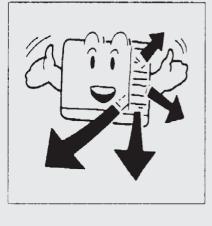
- The amount of heating provided in HEAT mode will vary depending on environmental conditions existing at the time of operation.
- Performance is dependent on the amount of heat available in the outside air and the output heat capacity of the machine compared to the size of the space being heated.
- Heat absorbed by the outside heat exchanger (coil) will be reduced by frost buildup dependent on the amount of moisture in the outside air entering the machine.
- From time to time the microcomputer will stop the heating operation to defrost the outside heat exchanger, during this process some noises may be apparent when the operation is reversed.
- During defrost, **H1** will be displayed, heating function will resume in short time. This function is normal and not a fault.

General Operation

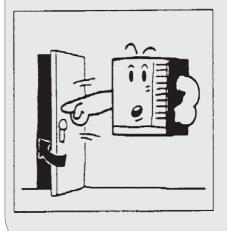
Do not set the cooling temperature too low. It could damage your health and waste electricity. Keep blinds and curtains closed. Do not let sunshine directly in the room while the air conditioner is operating. To keep the room temperature uniform, adjust the vertical and horizontal airflow direction to ensure uniform temperature in the room.

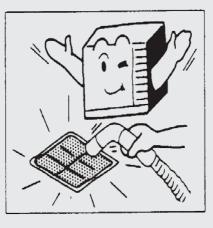


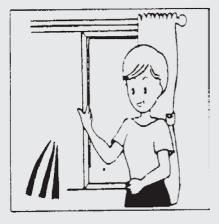




Make sure that the doors and windows are tightly closed. Avoid opening doors and windows as much as possible to keep the conditioned air in the room. Clean the air filter regularly. Blockages in the air filter reduce dehumidifying effects. Clean the air filter at least once every two weeks. Ventilate the room occasionally. Since windows and doors are kept closed, it is a good idea to open them and ventilate the room every few hours.







Caution: **Operation for Safety & Health**

Do not pull the



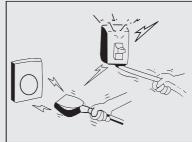
1) The plug must be accessible after the appliance is installed.

Do not use the air

- 2) Do not use this appliance in a laundry or location with high moisture or humidity.
- 3) If the power cord is damaged, it must be replaced by the manufacturer or qualified service agent. Never attempt to repair the power cord. Do not operate the unit if the power chord is damaged.

power cordout conditioner for other by the cord. purposes except for Damage to the cooling or heating the cord may occur. room. This can cause Do not use the appliance for • Do not insert any objects into electric shock. other purposes such as WARNING drying clothes or preserving food, etc.

- Do not block the air intake and outlet vents. This reduces appliance performance and causes irregular operation.
- these vents as it is dangerous to touch the electric components and fans.



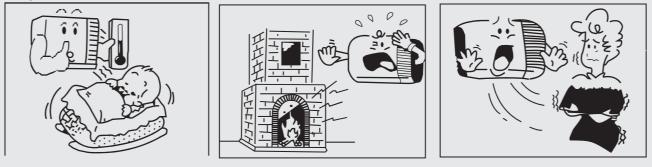




Adjust the temperature to suit the conditions. Rooms occupied by infants, the elderly, or the sick should be kept at an appropriate temperature.

Do not use heating equipment in the vicinity of the air conditioner. The plastic parts could distort if exposed to excessive heat.

Avoid exposing the body directly to a continuous unidirectional air flow for long periods. This is not recommended for health reasons.

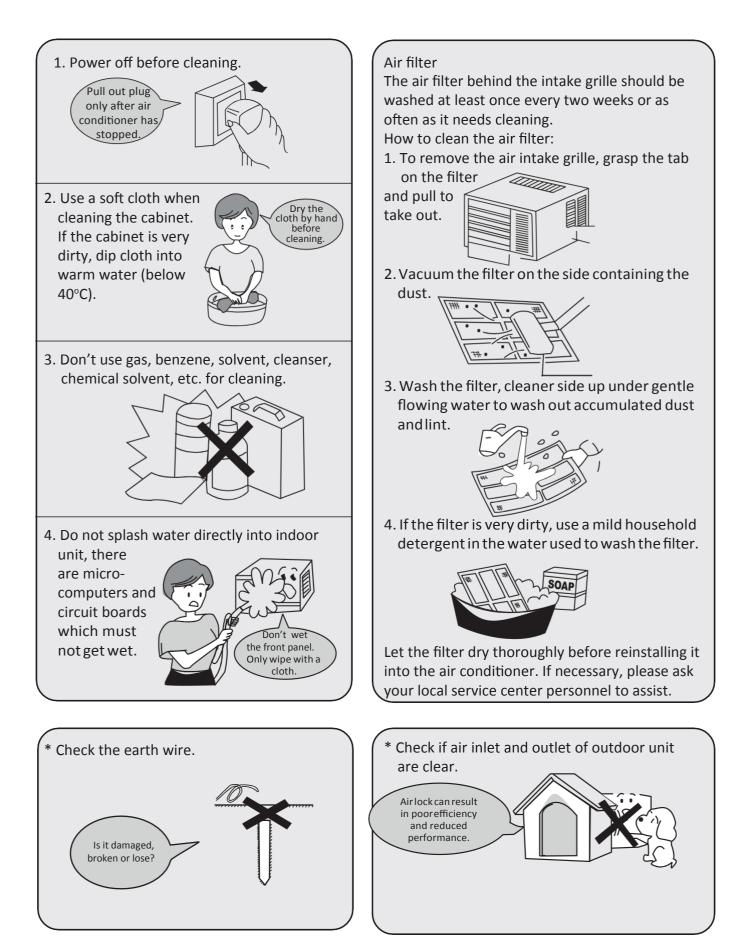


Always wait at least 3 minutes before switching the air conditioner on again after you have switched it off during cooling or heating.



Care & Maintenance

To ensure safety, always turn off the air conditioner and main power supply before performing maintenance on the appliance.



Please check the following items before asking for repair or contacting service, it may saves you time and money. If problems persist, consult your warranty information for contact details.

Fault	Solution
Air conditioner does not operate at all.	 Power failure Power plug disconnected Check fuse and main switch Inconsistent voltage
Air conditioner efficiency is poor.	 Check air inlet and outlet are not blocked Other cooling/heating sources in the room Check air filter is clean Indoor fan is set to LOW Room temperature is too high or too cool as the air conditioner starts.
Odors or foggy air is released from the air conditioner.	 When in cooling mode, high room humidity that is rapidly cooled, can appear foggy. Odors and smoke near the air intake can be transferred into and through the air conditioner.
Air conditioner operates with excess noise.	 The sound of flowing water is the refrigerant flowing through inside the air conditioner. This is a normal function of the appliance. The sound of falling water is caused by the dehumidifying unit processing the collected water. This is a normal function of the
It seems that condensation is leaking from air conditioner.	Condensation occurs when the air flow from the air conditioner cools the warm room air.
Air conditioner dose not operate for about 3 minutes when restarting.	 This is to protect the mechanism. Wait about three minutes and operation will begin.

CAUTION : If any of the following occur, immediately power off the air conditioner and unplug from the wall. Contact your local service center.



- Operation starts or stops abnormally.
- Power fuse or switch often breaks.
- Fluids are splashed directly into the air conditioner.
 - Electrical cord is hot or lines cover breaks.

WARNING

- CAUTION
- Any other strange situation involving the air conditioner.

Did you know?

TECO Australia's product range also includes:

- Top Load Clothes Washers
- Front Load Clothes Washers
- Twin Tub Clothes Washers
- Auto Sensing Condenser and Vented Clothes Dryers
- ♦ Refrigerators
- Chest and Vertical Freezers
- ♦ Bar Fridges
- Dehumidifiers
- Televisions
- ♦ Air Curtains and Air Conditioners

Visit www.teco.com.au for our full range.

REPAIRS, SERVICE & WARRANTY

It is hazardous for anyone installing, removing, altering, repairing, servicing or testing of this appliance.

Only an Authorised Service Person can carry out servicing or repairs to this appliance.

IF SERVICE IS REQUIRED:

If you have a problem, and the problem persists after you have made the checks mentioned in this manual, contact:

TECO Australia's Service on 1300 660 037 (8:30am - 4pm Mon~Fri AEST) For warranty details please visit www.teco.com.au

Service Email : had.service@teco.com.au

Spare Parts : had.parts@teco.com.au



WARRANTY INFORMATION

Teco's warranty information for the product purchased is available at www.teco.com.au. A copy of the warranty may also be obtained by contacting Teco's Warranty and Service Department on 1300 660 037 during business hours (Mon - Fri 8.30am - 4pm AEST).

To arrange for servicing of a Teco product, please contact our Warranty and Service Department on 1300 660 037 during business hours (Mon - Fri 8.30am - 4pm AEST).

To assist in processing any warranty claim that you may have Teco recommends that you:

1.	Complete the following information in relation to your purchase:	
	Name of retailer:	
	Name of owner:	-
	Date of purchase:	-
	Model No. :	-
	Serial No. :	
	MFG code:	
2.	Retain proof of your purchase for any warranty claim. Ideally this proof of purch invoice issued for your purchase.	hase will be the tax
3.	Complete the following information in relation to the person that installed your Te applicable):	eco appliance (if
	Installer's name:	
	Telephone No.:	
	Licence No.:	

