

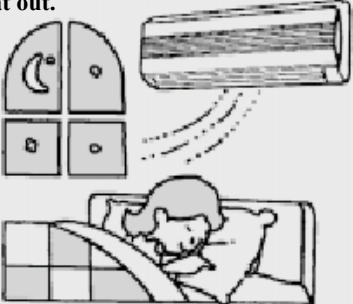

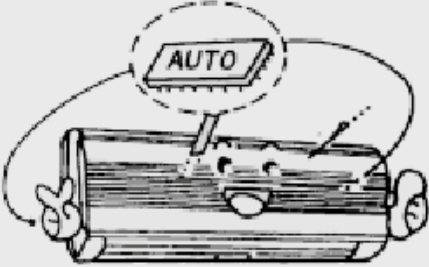

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Please read this
OWNERS MANUAL
carefully prior to
use.....

**Installers Manual
located in the outdoor
carton**

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Functions

<p>Cooling you for summer</p>	<p>Dehumidifying on rainy days or in humid seasons</p>
<p>On hot days, your TECO Split System air-conditioner can cool room air by transferring the heat out.</p> 	<p>Teco air-conditioners can dehumidify and make the room air dry without reducing room temperature, making the room air more comfortable.</p> 
<p>Operating automatically</p>	<p>Heating in winter (Reverse Cycle Models)</p>
<p>According to room temperature, you can set the microcomputer to change automatically. COOL or HEAT or DRY operation mode which ever is the best effective for your comfort.</p> 	<p>Your TECO Reverse Cycle Split System, can supply warm air to raise the room temperature on cold seasons. Did you know that this is the cheapest form of home heating?</p> 

✘	Indoor side DB/WB(°C)	Outdoor side DB/WB(°C)
Maximum cooling	27/19	35/24
Maximum heating	21/—	24/18
Working Voltage: 50Hz 240V		

Installation Precaution:

- ① To prevent possible electrical shocks due to potential failure, the unit must be Earthed adequately.
- ② Provide a power circuit exclusively for each unit, and supply a circuit breaker for the correct current and an Earth Leakage Circuit Breaker (ELCB) protector should be provided for each unit.
- ③ All wiring must be done in accordance with the wiring system diagram, and in accordance to Australian Standards.
- ④ Wrong wiring may cause the unit to malfunction or become damaged.
- ⑤ Please disconnect the power plug or cut off the power supply when not in use.

Operation mechanism

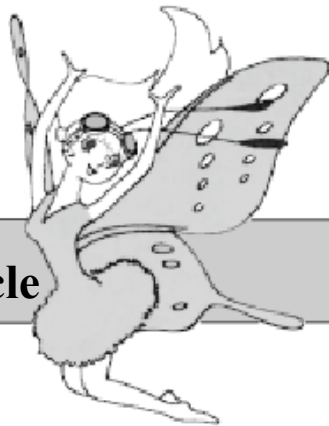
Cooling cycle



Connected via pipes, indoor unit and outdoor unit form a refrigeration system. With power, compressor takes in low temperature and low pressure refrigerant then commences to compress the liquid gas which is now vaporised into the evaporator of indoor unit, compressing the gas into high temperature and high pressure gas, then discharging this gas into the condenser of outdoor unit. Helped by an axial-flow fan, heat is removed to outdoor air from the gas which then re-condenses back into liquid, the flow of liquid is now controlled, and the liquid starts to drop temperature and pressure. There, helped by another cross-flow fan, the liquid now absorbs heat from room air, evaporates and becomes low pressure vapour which then flows into compressor again, beginning next cooling cycle. Therefore, heat is transferred from indoor to outdoor, and room gets cooler and cooler.

Ventilation cycle

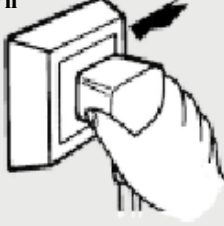


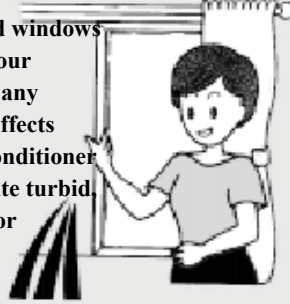
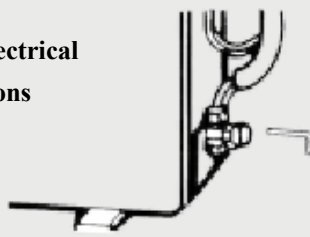
Ventilation cycle activates and divides the indoor and outdoor into two parts. With air movement provided by the cross-flow fan, room air continues to flow through filters, exchanges heat in evaporator, then returns to the room. In this way, room air can be cooled and dehumidified. At the same time, filtering the room air.



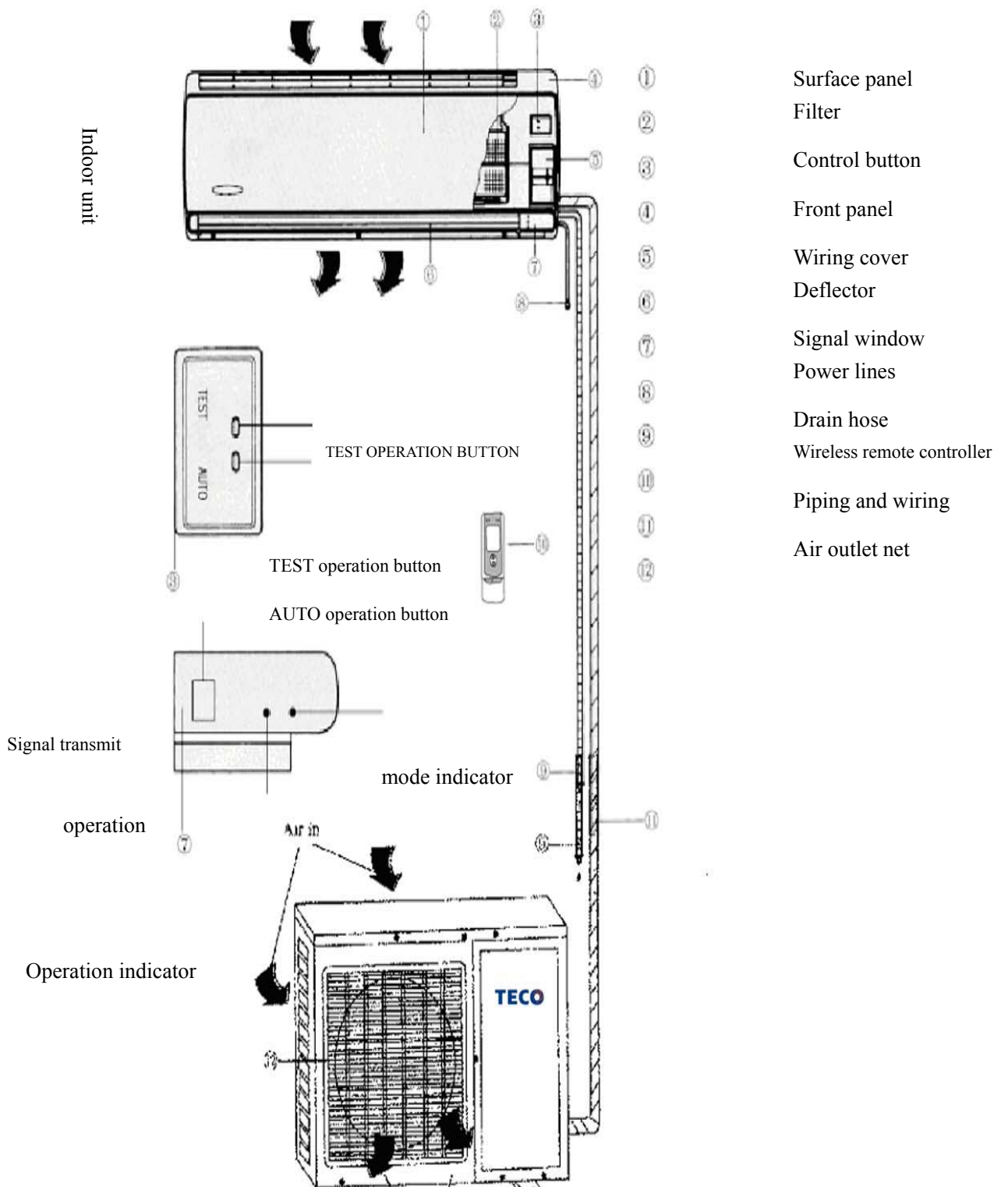
Heating cycle

TECO's Reverse Cycle type air conditioners use a reversing valve (4-way electromagnetic valve) to change refrigerant flow direction. When heating, refrigerant firstly enters indoor heat-exchanger, releasing heat and condensing. Then it enters the outdoor heat-exchanger, absorbing heat and evaporating. Because power consumption is used and converted into heat which is discharged in room, heating efficiency is very good, which means it saves you money. Reverse Cycle heating is the cheapest form of home heating today.

Important notices

<p>Teco Air Conditioners should be operated with stable voltage in the range of 206-244V~1Ph 50Hz 240Volts</p> <p>Otherwise, the compressor may vibrate causing damage to the refrigeration system.</p> 	<p>Do not pull on power cords Cables or plugs.</p> 	
<p>Do not insert any foreign materials into the air inlet or air outlet, this is very dangerous due to the moving fans</p> 	<p>Try to keep all doors and windows closed while operating your air conditioner avoiding any heat gain or loss which affects how effective your air-conditioner can be. If room air is quite turbid, you should open a door or window little some outdoor fresh air.</p> 	
<p>Remember ONLY qualified and authorised technicians can operate and work with the PROHIBITED GASES contained in your air-conditioning system</p> <p>Connection of the refrigerant and electrical systems must be carried out by persons whom are licensed., it's the LAW!</p> 		
<p>Compressor Delay operation</p> <p>To avoid action of the overload protector and or other security devices, TECO design a delay for 3~4 minutes before starting the cooling or heating or dehumidifying cycle in following situations:</p> <ol style="list-style-type: none"> 1. To start again after Stopping; 2. To adjust operation mode 	<p>Smell</p> <p>Sometimes you may smell funny odours from your air-conditioner this is normal, however sometimes the indoor can send out some odour, this is because the air has mixed with the smell of furniture and any smoke on the air.</p>	<p>Electric circuit</p> <p>The must be a special electric circuit dedicated for the air-conditioner, do not use longer power lines, do not share the same outlet for another appliance.</p> 

Design of your TECO Split System

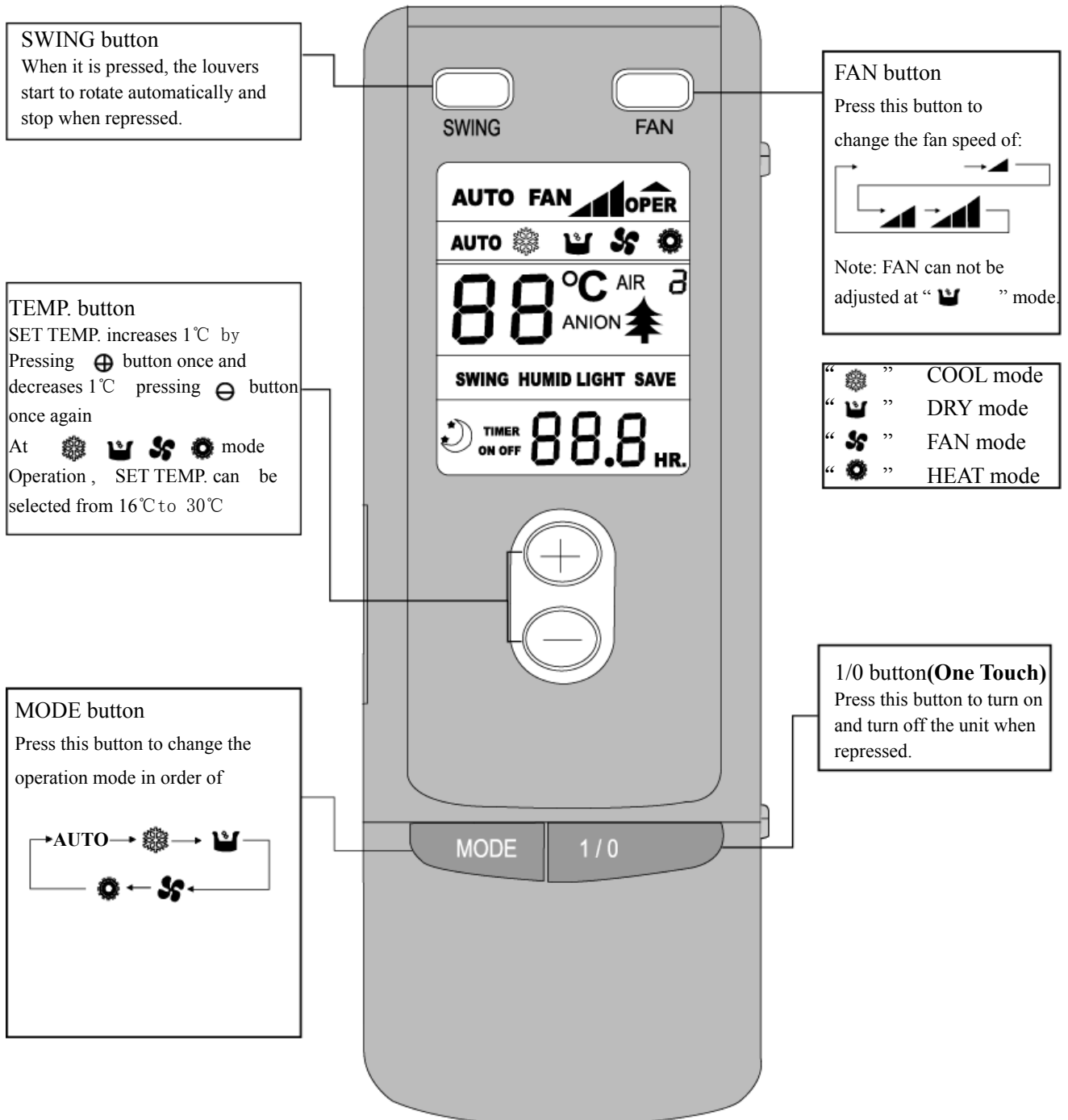


Remote control operation procedure

Names and Functions of buttons

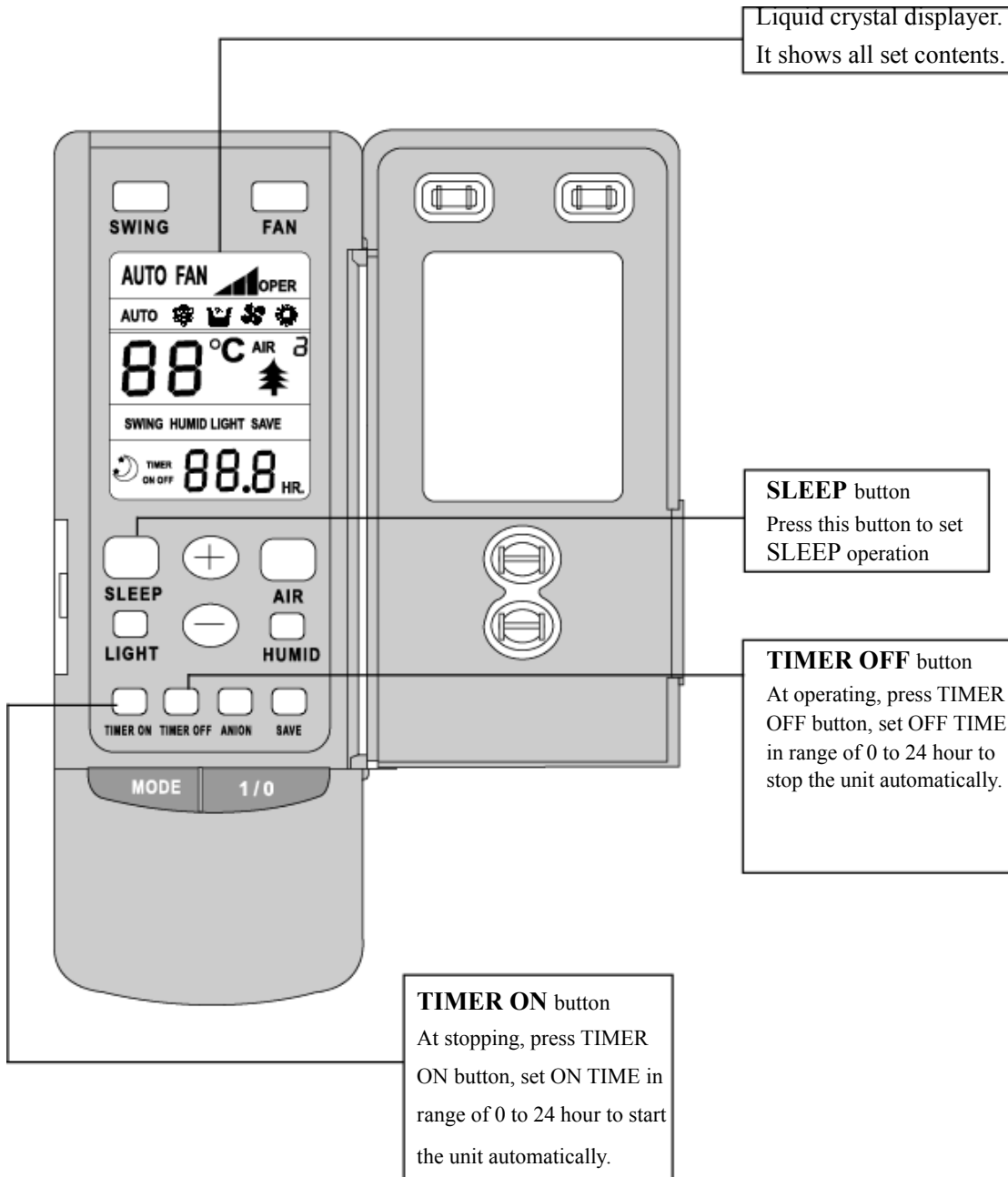
Note:

- Be sure that there are no obstructions.
- The remote control signal can be received at a distance of up to about 10m.
- Don't drop or throw the remote control
- Don't place the remote control in a location exposed to direct sunlight



● Names and Functions –Remote control. (Remove the cover)

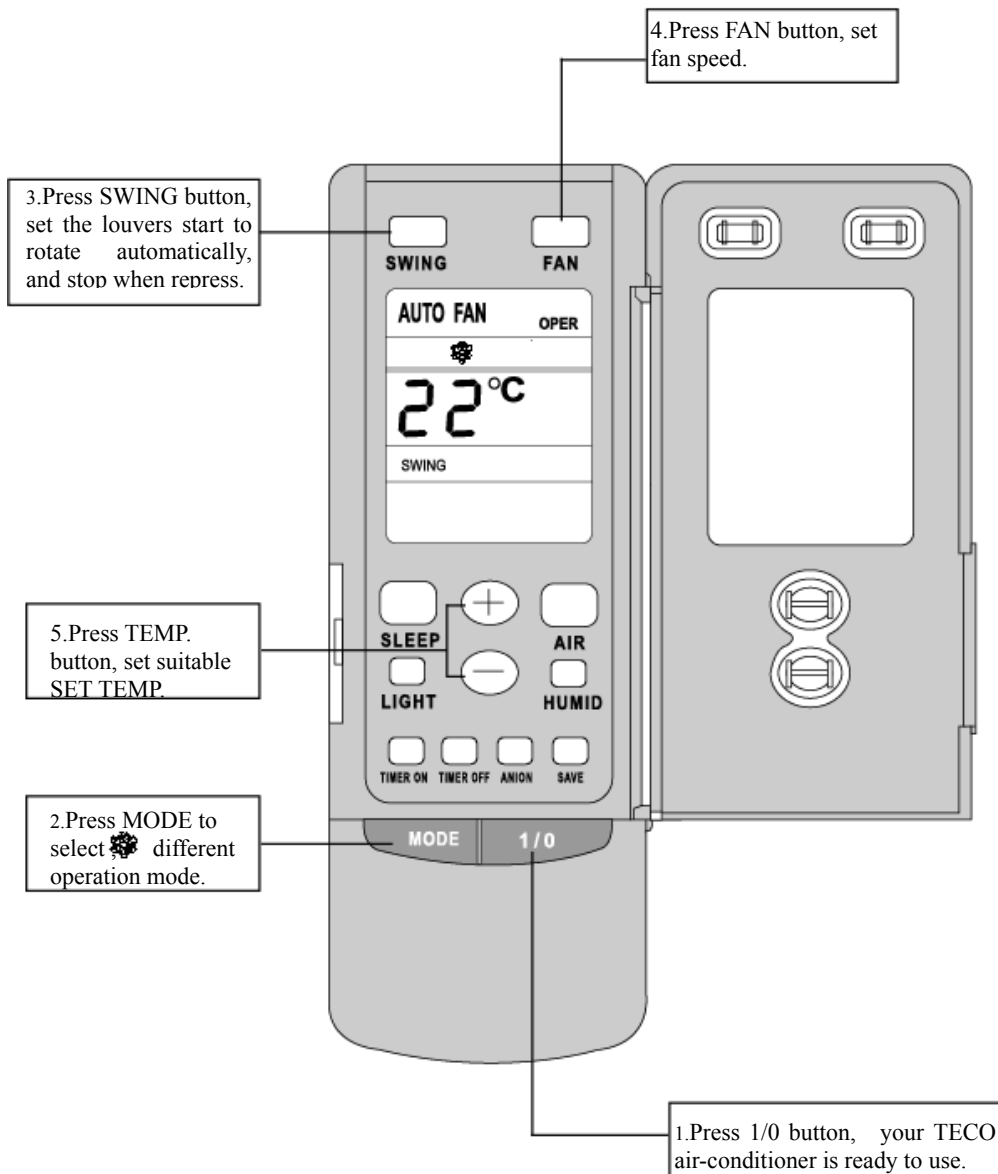
Note: Some features are not available to all models see your model number for the correct identification, and o the features incorporated



COOL mode operation procedure

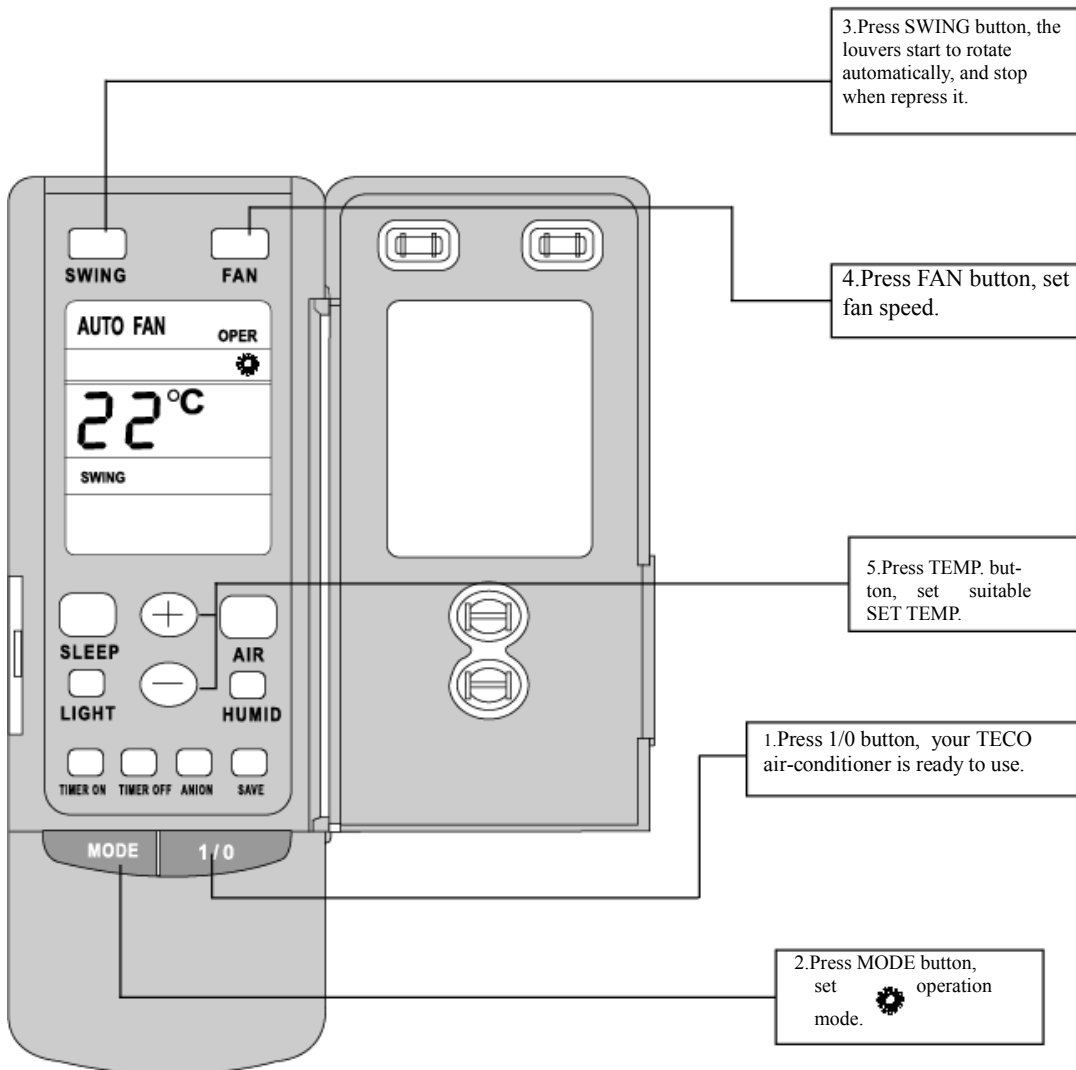
According to difference between room temperature and the "Set Temperature" the microcomputer can control cooling on or not:

- If room temp. is higher than set temp., compressor runs at COOL mode.
- If room temp. is lower than set temp., compressor stops and only indoor fan motor runs.
- SET TEMP. should be in range of 16□ to 30□.



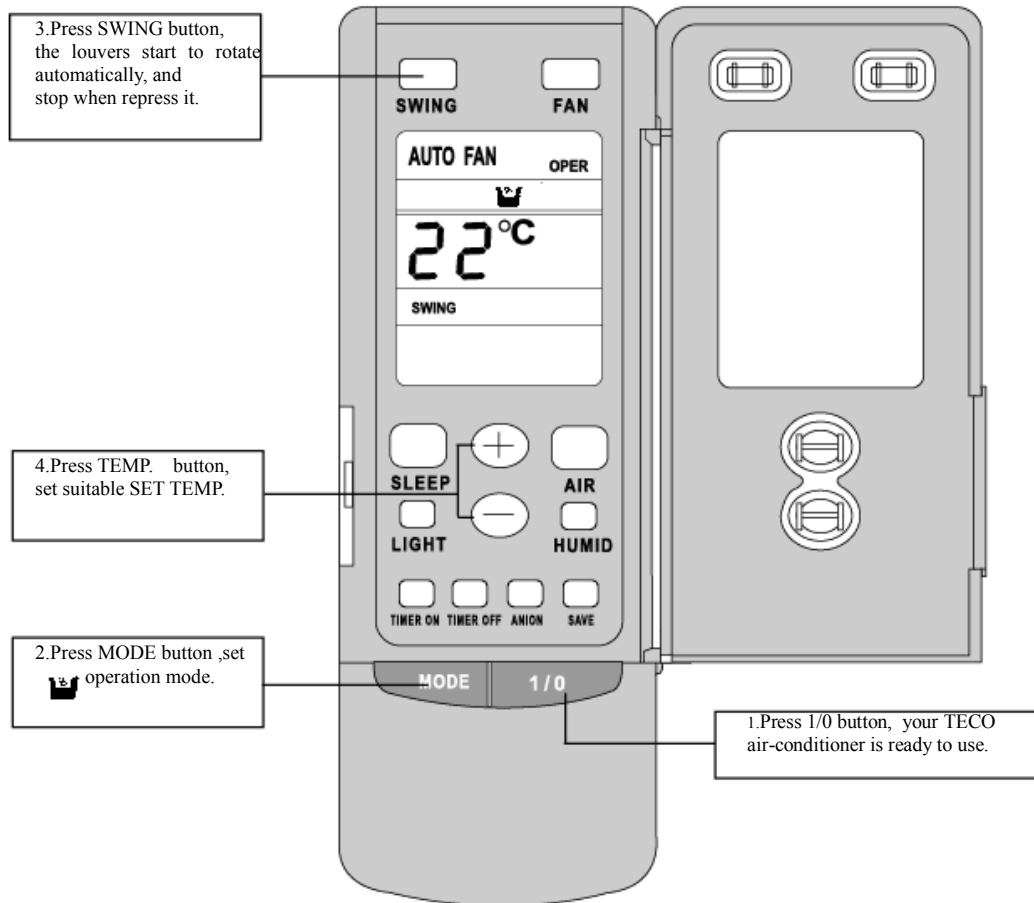
HEAT mode operation procedure

- If room temp. is lower than set temp., compressor runs at HEAT mode;
- If room temp. is higher than set temp., compressor and outdoor fan motor stop, only indoor fan motor runs.
- SET TEMP. should be in range of 16°C to 30°C.



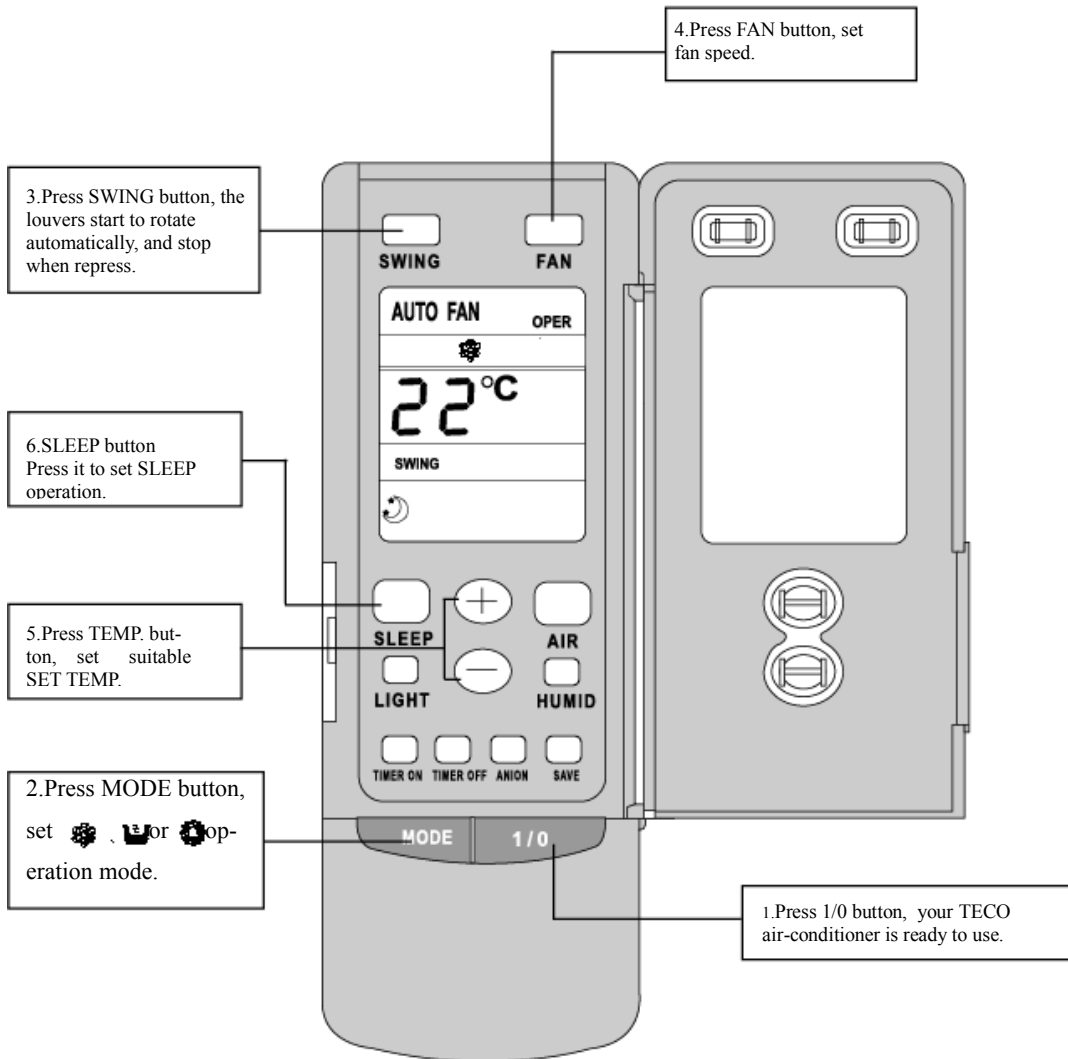
DRY mode operation procedure

- If room temp. is lower than set temp., compressor , outdoor and indoor fan motor stop. If room temp. is between $\pm 2^{\circ}\text{C}$ of set temp., Air conditioner is drying. If room temp. is higher than set temp., it's at COOL mode.
- SET TEMP. should be in range of 16°C to 30°C .



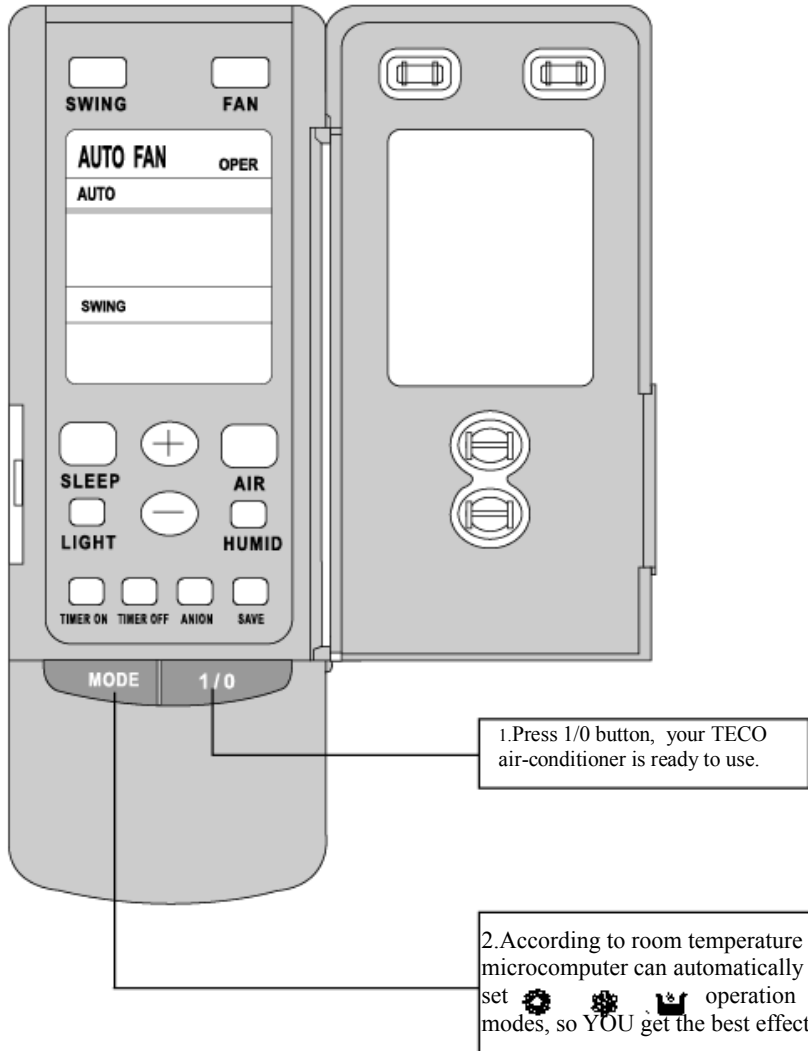
SLEEP mode procedure

- When the unit is cooling or drying, if SLEEP operation is set, SET TEMP. would increase 1°C in 1 hour and 2°C in 2 hours. Indoor fan motor runs at low speed.
- When the unit is heating, if SLEEP operation is set, SET TEMP. would decrease 1°C in 1 hour and 2°C in 2 hours. Indoor fan motor runs at low speed.

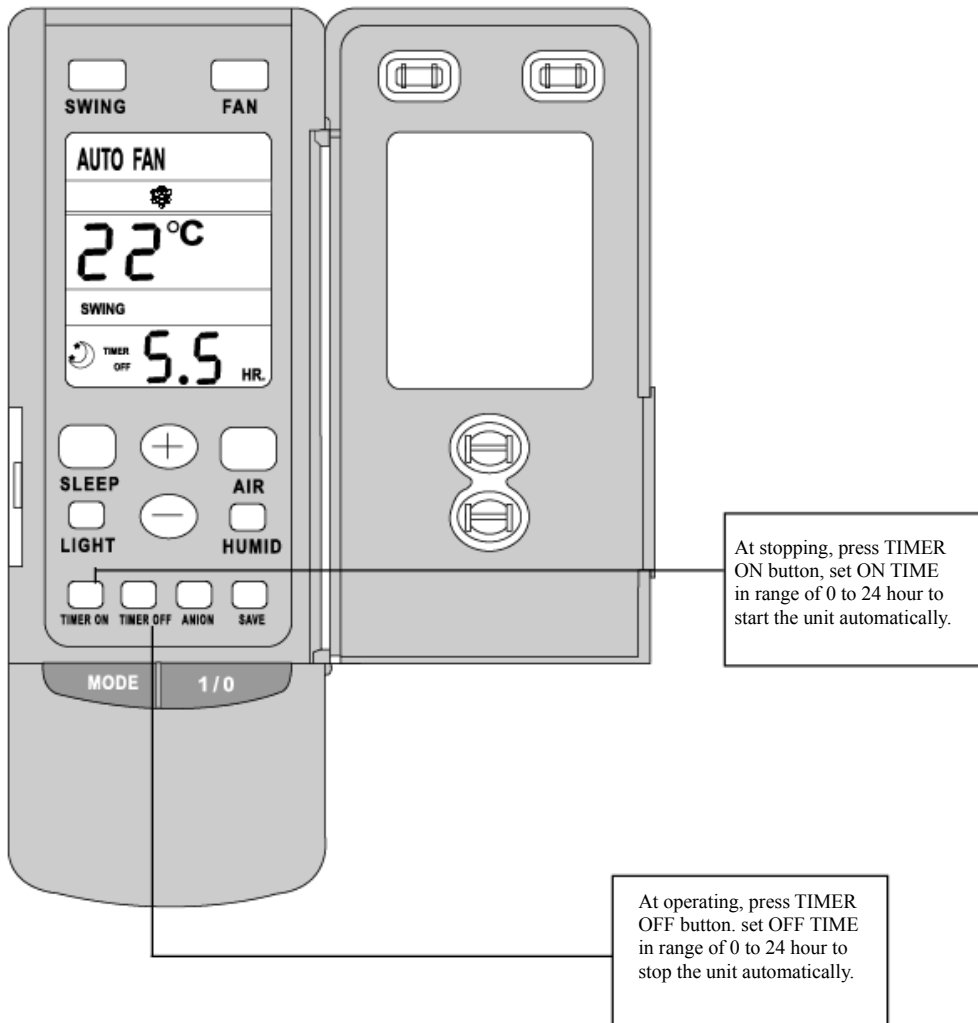


AUTO mode operation procedure

- At AUTO mode operation, standard SET TEMP. is 25°C for COOL mode and 20°C for HEAT mode.



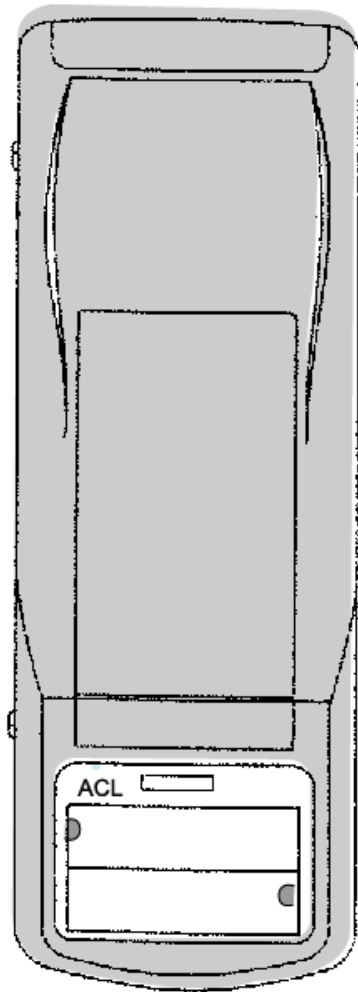
TIMER mode operation procedure



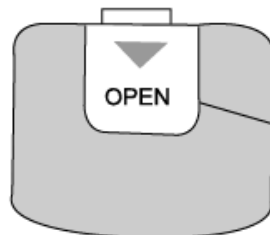
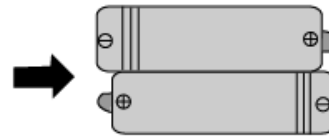
How to insert batteries

NOTE:

- Don't mix new and old or different batteries.
- Remove batteries when not in use for a long time.
- The remote control signal can be received at a distance of up to about 10m.



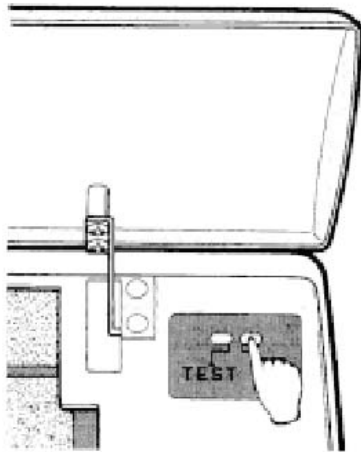
2 Insert the two AAA batteries



1 Remove the cover
3 Re - attach the cover.

Emergency Operation procedure

You can operate your TECO without the controller, by opening the fascia panel and operate as follows:



Start

At stopping, press AUTO button, start the air conditioner at AUTO mode operation.

*According to room temp. change, microcomputer can automatically set COOL or HEAT or DRY operation mode, so as for best effect.
*The OPERATION indicator keeps light while compressor runs.

Stop

At operation, press AUTO Button , stop the air conditioner.

*Both indoor unit and outdoor unit stop at the same time.

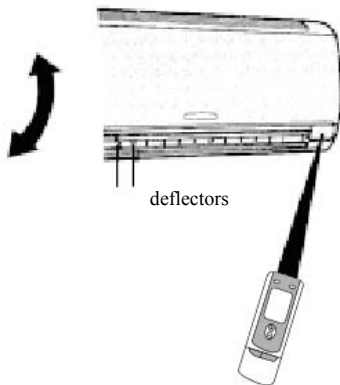
*The left TEST button is only for testing air conditioner. When it is pressed, no matter what room temp. is, air conditioner keeps cooling, so do not use it for normally operation.

Air flow direction adjustment procedure

1. Adjusting up/down air flow direction

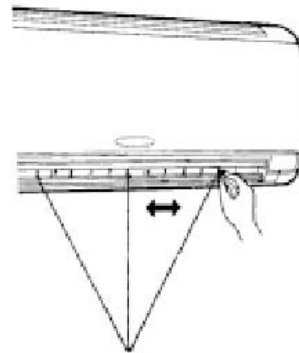
Using the remote controller, adjust air flow direction by rotating the UP/DOWN deflectors up and down automatically or stopping at an angle.

- * Press SWING button, the deflectors start to rotate and stop when repress.
- * Press DIRE button once or for a moment, the deflectors move a special angle except they are rotating automatically.






deflectors



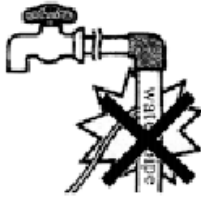

As shown, move the LEFT/RIGHT deflectors by hand, adjust air flow left or right or three different directions to every corner of room so as to make everywhere temp . average.



Adjusting left/right air flow direction

<p>Weather is unpredictable so your new system can comfort you during the hot summers or the coldest winters. Remember that keeping your filters clean will provide you with the best air conditioned and filtered air</p> 	<p>Remember to keep all your documents as the warranty is your protection and you will require these later should warranty be required</p>
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<p>Outdoor temp. should be in range of 18°C to 40°C, otherwise it is possible for air conditioner to breakdown. Room temp. should be in range of 18°C to 32°C Room humidity should be lower than 80%, otherwise it is possible to dew at air conditioner surface and even drop water.</p> 	<p>After compressor continually working more than 8 minutes, and evaporator pipe temp. keeping no higher than 0°C in 3 minutes, the compressor and outdoor fan motor stop, while indoor fan motor runs at SET SPEED. When evaporator pipe temp. is not lower than 8°C, and after 3 minutes delay, a I conditioner restores previous operation.</p> 
<p>DRY mode operation</p>	<p>HEAT mode operation</p>
<p>Outdoor temp. should be in range of 18°C to 40°C otherwise it is possible for air conditioner to breakdown or not start. Room temp. should be in range of 18°C to 32°C</p>	<p>Outdoor temp. should be over 0°C otherwise it is possible for protect devices inside to act and air</p>

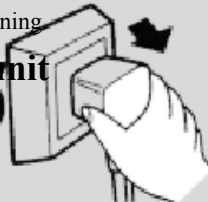
Installation position	Noise
<ul style="list-style-type: none"> * Drain the condensed water from indoor unit into ground pipe. * Install indoor unit far away TV set or radio etc., to avoid disturbing video or voice. * In salt and coastal area or place where is near thermal springs and polluted by various gases, or other special areas, please contact with seller before use. * Avoid place where is possible for flammable gas to leak out. * Avoid other heat sources or direct sun light. * Avoid place where is easy for children to touch. 	<ul style="list-style-type: none"> * Install on place firmly enough to avoid transmitting or increasing noise and vibration. * Do not put objects in front of outdoor unit air outlet, to avoid increasing noise. * Be sure not to make trouble to neighbors with hot air or noise from outdoor unit. * Please contact with seller as soon as there is strange noise during operation. 
Remove	Electric lines location
<p>When remove air conditioner to other place, it needs special technician, so contact with seller firstly.</p> 	<ul style="list-style-type: none"> * Must connect with ground. * Must use rated voltage and electric circuit specific for air conditioner. * Avoid octopus type of multi-plug which would cause over heat. * Do not pull power lines strongly. * To fit an electrical leakage-proof switch, please contact with special electric seller. * Chose proper fuse to meet with the current specification. * Power lines should be thick enough.
Earth wire Do not connect earth wire to following places:	
<p>Water pipe Sometimes, there is some plastic material such as Polythene used as part of water pipe, which is not available for earth.</p> 	<p>Gas pipe If there is electrical leakage accidentally from air conditioner, it is easy to cause fire or explosion, as is very dangerous.</p> 

- All the electrical work must be done by qualified personnel according to relative wiring regulation and this manual.
- The power supply is type Y connection. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- The rated voltage and the exclusive circuit must be used.
- Leakage circuit-breaker and air switch of correct capacity must be installed. The air switch of 25A should be used in these models.
- The plug must be accessible after the appliances have been positioned.

Care and maintenance


1. Plug out first before cleaning

Cleaning unit
Plug out only after air conditioner stops at all.




2. Clean surface panel with a soft and dry cloth, which is soaked warm water below 40°C

Must dry the cloth by hands before cleaning

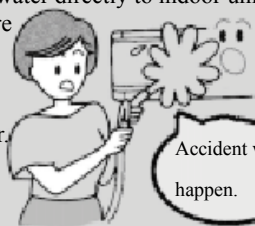


3. Do not use chemical solvent for cleaning.




4. Do not splash water directly to indoor unit, in which there are microcomputer and circuit plate, they must not be touched by water.

Accident will happen.



* Check earth wire

Is it broken or loose?




Air filters should be cleaned once every

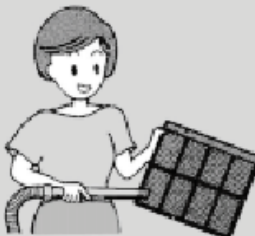
Cleaning filters

1. Open surface panel only after air conditioner stops completely

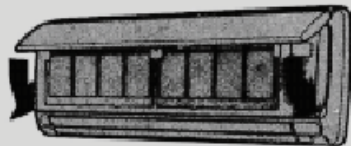
① Pull here up (both sides of the surface panel)
② Push filters up till hooks are free
③ Pull down and take out filters.



2. Clean filters with a vacuum cleaner or by typing them gently. If they are very Dirty, wash them in warm water below 40°C dissolved with neutral scouring agent, then dry them in cool air.




3. Insert them at original position, then push down and close surface panel.



* Check air inlet and outlet of outdoor unit.

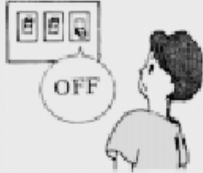



Air lock could result in bad efficiency.



- All the electrical work must be done by qualified personnel according to relative wiring regulation and this manual.
- The power supply is type Y connection. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- The rated voltage and the exclusive circuit must be used.
- Leakage circuit-breaker and air switch of correct capacity must be installed. The air switch of 25A should be used in these models.
- The plug must be accessible after the appliances have been positioned.

What to do is a malfunction occurs?

Please check the following items before ask for repair, it saves your time and money.

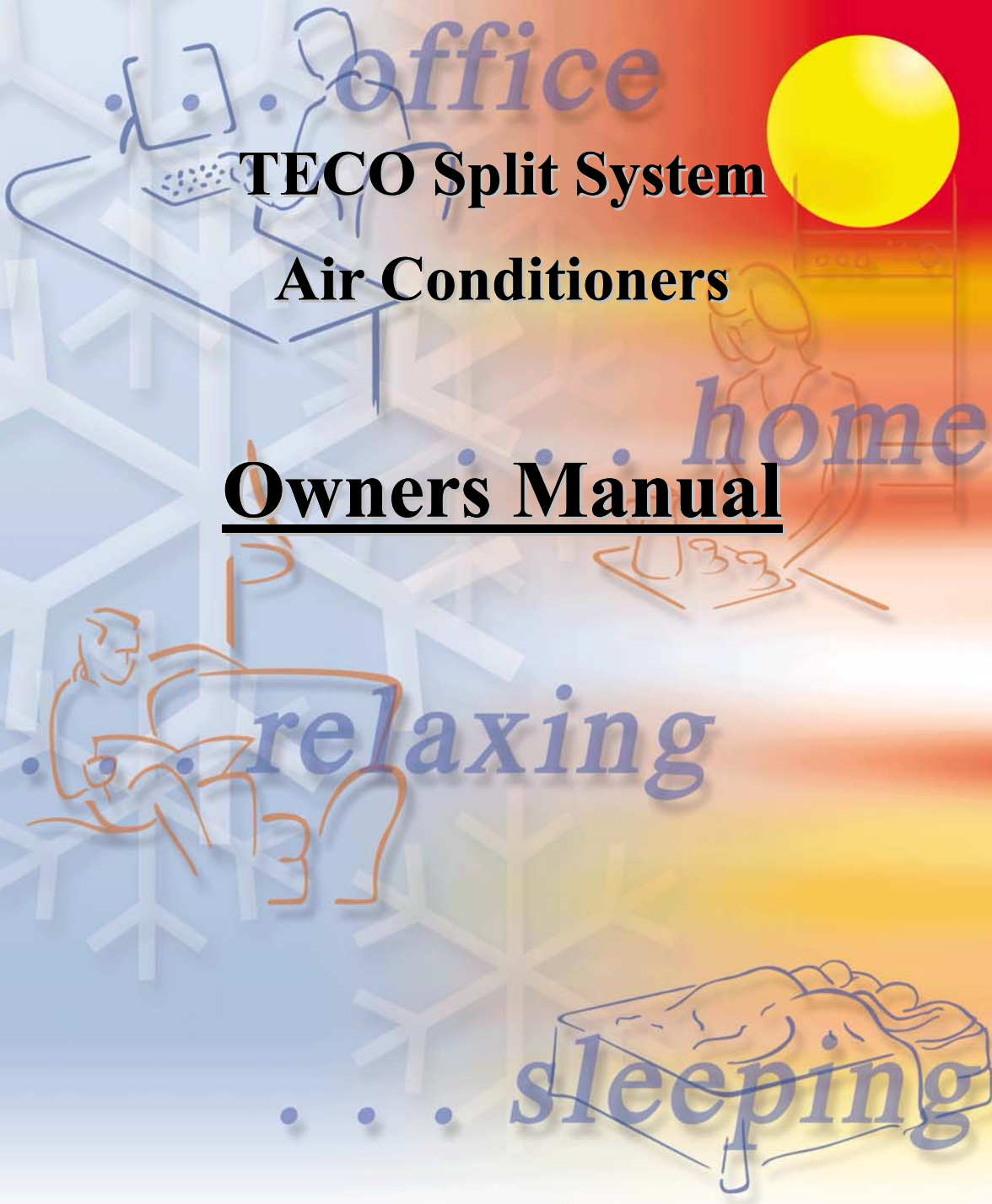
Fault phenomenon	Trouble shooting
<p>Air conditioner does not operate at all.</p> 	<ul style="list-style-type: none"> * Is power fail? * Is plug out? * Is power fuse or switch off? * Is voltage higher than 240V or lower than 206V? * Is SET TIME suitable?
<p>Cooling efficiency is not good.</p> 	<ul style="list-style-type: none"> * Is air inlet or outlet locking? * Is there any other heat source in room? * Are air filters dirty very much? * Is indoor fan speed set at LOW? * Is SET TEMP. suitable?
<p>Wireless remote controller is not available.</p> 	<ul style="list-style-type: none"> * If disturbed abnormally or operation modes changed too frequently, sometimes the electric controller would lose function. Please plug out and plug in again, it maybe OK. * Check batteries of wireless remote controller, if voltage is little, change batteries. * If wireless remote controller displays unclear or displays all symbols, please change batteries.
<p>Foggy air flows out.</p> 	<ul style="list-style-type: none"> * At COOL or DRY mode operation, sometimes there is foggy air flowing out of indoor unit, this is because that room humid air has been cooling rapid.

Immediately stop all operations and plug out, contact with your seller in the following situations.

- * Operation starts or stops abnormally;
- * Power fuse or switch often breaks;
- * Carelessly splash water or something into air conditioner;
- * Electrical lines are much hot or lines cover breaks;
- * Other strange situations.



Teco warrants this product free from manufacturers defects for a period of FIVE Years *** guarantee for all parts and labour required to fix our defects, this only applies to domestic application and we offer only a 12 months warranty if the product is used in a commercial premises. Conditions apply*** and are subject to any relevant state or territory law



TECO
The Comfortable Choice