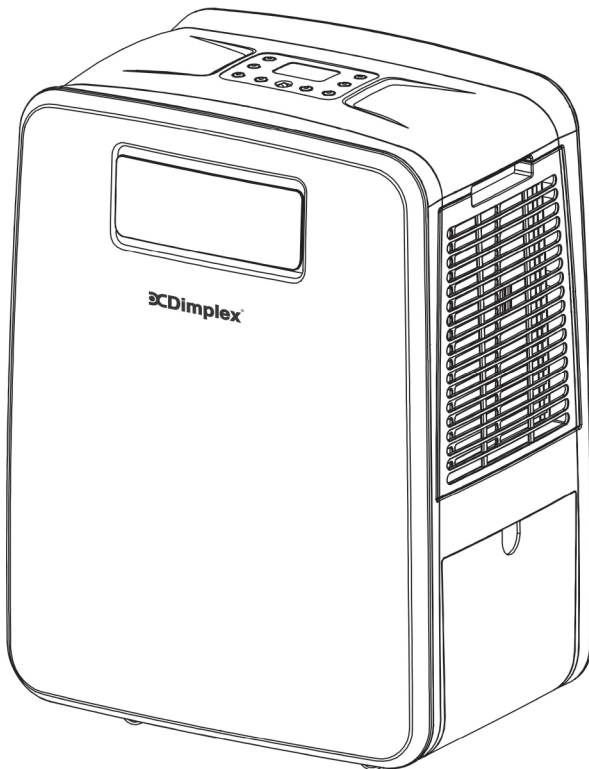# ⊃⊂Dimplex®

COMFORTAIR 2IN1
AIR CONDITIONER AND DEHUMIDIFIER
DIM2IN1

VERY IMPORTANT

Do not install and use your ComfortAir before carefully reading this instruction guide.

**Please retain this instruction manual for future reference.**

CAUTION

1. To efficiently cool rooms up to 11m^2, install the window kit to ensure the ComfortAir expels warm air outdoors. Please make sure the inlet and outlet ventilation is not blocked at all times.

2. If you wish to use the ComfortAir as a personal cooler, face the cool air outlet towards the person. In this mode, the window kit does not need to be installed.

3. Operate the ComfortAir on a horizontal surface to avoid water leakage.

4. Do not operate the ComfortAir in an explosive or corrosive atmosphere.

5. Operate the ComfortAir in a room with ambient temperature of 35 degree centigrade or less.

6. Clean air filter periodically to maintain efficiency.

7. After turning off the ComfortAir, please wait at least 3.5 minutes before restarting this is to prevent the compressor from being damaged.

8. The ComfortAir is for indoor cooling and dehumidifying.

9. When starting up the ComfortAir or switching to cooling mode, it may take 3.5 minutes to start cooling. This is to prevent damage to the compressor.

10. When the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid hazard.

11. In order to dispose of the ComfortAir remote control safely, please remove the batteries before disposal.

12. 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.

13. Please drain water from the ComfortAir before moving it.

14. Do not operate the ComfortAir in a laundry room.

15. The ComfortAir is only suitable for personal use or in small to medium sized rooms.

16. The ComfortAir is equipped with a thermal cut out device for safety.

17. Please ensure the ComfortAir is not placed against objects which will obstruct air intake e.g. furniture or curtains.

NOTES ON WINDOW KIT INSTALLATION

For effective cooling of a room (up to 11m², please ensure that the following steps are undertaken:

1. Extend the exhaust hose to a length of not more than 400mm. The exhaust hose must be kept straight and must not be bent up or down.
2. A distance of 500mm minimum must be kept between the filter side of the ComfortAir and wall or any other obstacles.
3. When the ComfortAir starts to defrost, the word "DF" will be displayed on the LED screen.

Fig.1
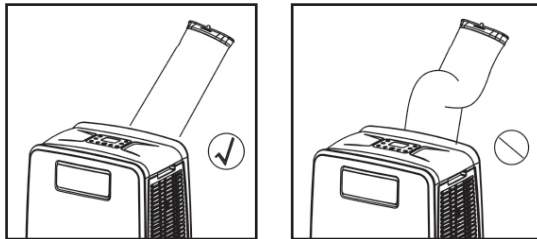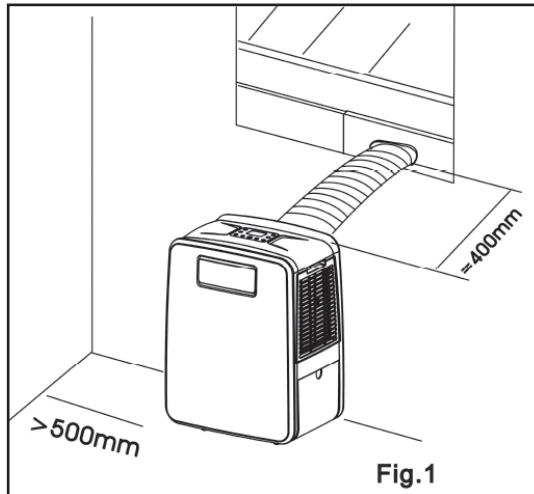
CONGRATULATIONS ON YOUR PURCHASE OF A

Dimplex®

COMFORTAIR 2IN1

The ComfortAir is designed to keep you cool in the summer and dry in winter. Its features include:

- A remote control
- Easy glide castors
- No installation required – just plug into any household power outlet
- Powerful refrigerated air system to cool small to medium sized rooms.
- Dehumidified and filtered air cycle to improve air quality.
- 24 hour programmable timer that can be used with either the air conditioning or dehumidification setting
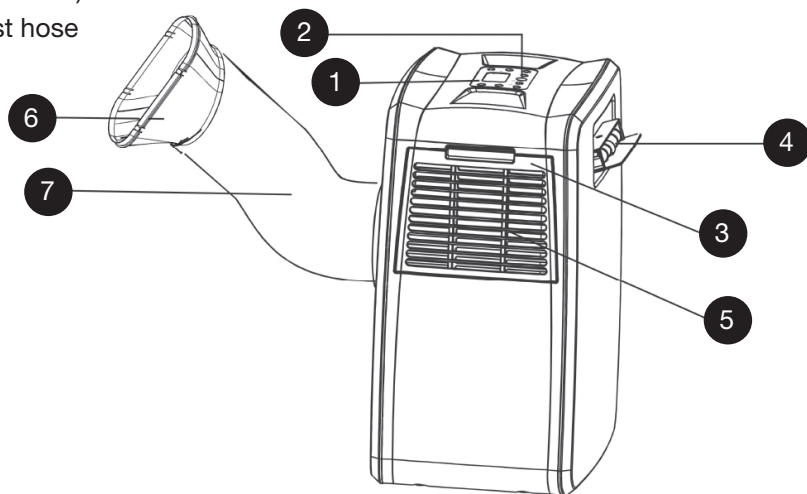- Sleep/Quiet mode

CONTENTS

- ComfortAir main unit
- Remote control
- User manual
- Window Kit (exhaust hose can be found in dehumidification tank)
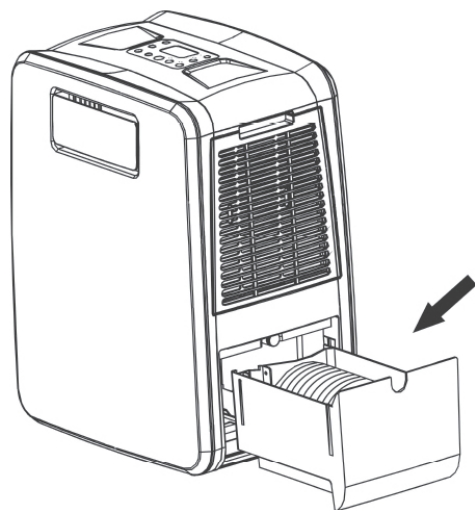
PARTS DIAGRAM

1. Control panel
2. Remote control receiver
3. Filter
4. Cool air outlet
5. Air inlet
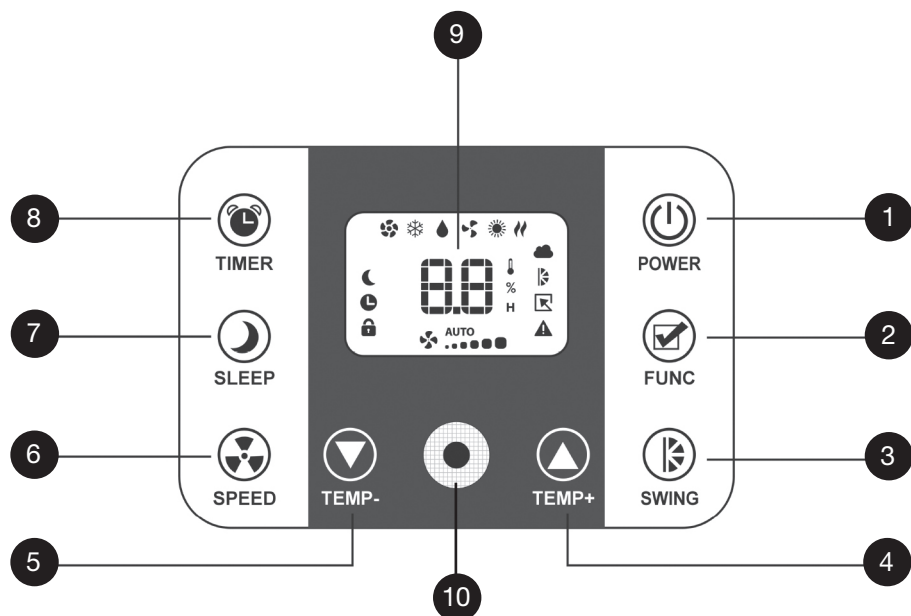6. Joint tube (to attach to window kit)
7. Exhaust hose

PARTS DIAGRAM continued

8. Air filter
9. Air inlet
10. Hot air outlet joint
11. Hot air outlet
12. Remote control storage
13. Drain hole (remove plug to allow water to drain into dehumidifying water tank)
14. Water tank
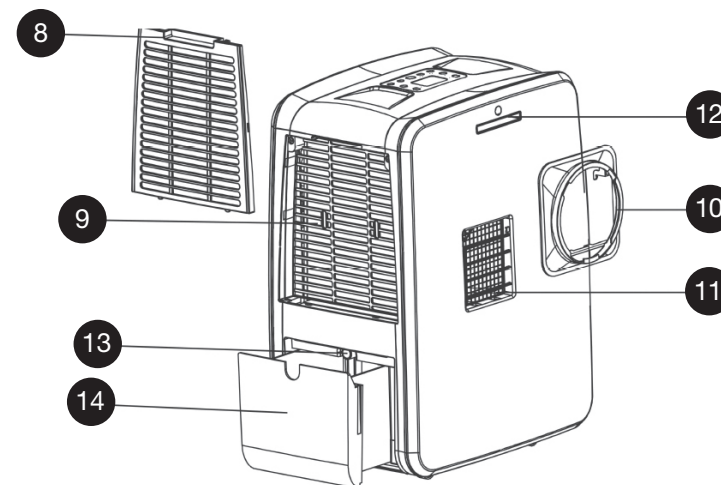
CONTROL PANEL & DESCRIPTION OF FUNCTIONS

1. POWER KEY

Press to turn ComfortAir "ON" or "OFF"

2. FUNCTION

Press to select dehumidifying, cooling or fan mode

3. SWING

Press this key and the outlet will oscillate. Press again to stop oscillation. The outlet will close automatically when you turn the ComfortAir off.

4. INCREASE TEMPERATURE OR HUMIDITY (+)

During cooling function: press to raise the desired room temperature by 1°C. The maximum temperature possible is 30°C.

During dehumidifying function: press to raise the desired humidity by 5%. The maximum limit is 90%.

5. DECREASE TEMPERATURE OR HUMIDITY (-)

During cooling function: press to lower the desired room temperature by 1°C. The minimum temperature possible is 17°C.

During dehumidifying: press to lower the humidity by 5%. The minimum limit is 30%. Or press until you see "CO" for Continuous Dehumidification.

6. SPEED

Press to select either LOW, HIGH or AUTO fan speed.

If "AUTO" is selected (during cooling function), the ComfortAir will automatically select either "HIGH", or "LOW" speeds depending on how quickly the room needs cooling (i.e. based on the difference between the desired temperature and ambient room temperature).

The ComfortAir will run on "HIGH" speed if the ambient room temperature is higher than the desired temperature by 2°C or more and run on "LOW" speed if less than 2°C.

7. SLEEP MODE

This function cools the room initially to help you get to sleep, but allows the temperature to increase in the room to minimize energy usage.

1. While in cooling mode, press the SLEEP key

2. Set the desired temperature

After one hour, the desired temperature will increase by 1°C. It will then increase by another degree after another hour.

Press the SLEEP key again to cancel the sleep setting.

8. PROGRAMMABLE TIMER ⏰

TIMER-ON: The timer can be set to turn on the ComfortAir automatically after a certain number of hours. To do this, press the "TIMER" key when on stand-by mode to set the number of hours until you want the ComfortAir to turn on.

TIMER-OFF: The timer can be set to turn off the ComfortAir automatically after a certain number of hours. To do this, press the "TIMER" key when the ComfortAir is operating to set the number of hours until you want the ComfortAir to turn off.

9. LCD DISPLAY 🔢

The display indicates the current desired temperature, desired humidity or the timer setting depending on the function selected. When the set temperature, humidity or the timer is adjusted, the new setting is shown and will flash for a few seconds. The display will then soon return to showing the current ambient temperature or humidity.

The display is also used to show error codes should a fault occur, see ERROR CODES.

10. REMOTE CONTROL INFRARED RECEIVER ●

FUNCTIONS

COOLING MODE

This setting will cool the room if you have an exhaust hose and window kit installed. Use the temperature selection buttons to choose your desired room temperature.

Alternatively, you can direct the cool air outlet towards a person to use it as a personal cooler. In this mode, you do not need to use the exhaust hose and window kit to ventilate.

DEHUMIDIFICATION

This setting will dehumidify your room by removing up to 30 litres of water in your home's atmosphere per day. This makes the ComfortAir suitable for dehumidifying large households.

Dehumidify via the window kit

The ComfortAir can also dehumidify by sending excess moisture outside using the exhaust hose and window kit. To do so, ensure the rubber cap[1] is placed in the drainage outlet in the dehumidification tank.

If excess water is collected and cannot be ventilated, "E4" will be shown on the display panel. You will need to remove the plug to drain the excess water.

Dehumidify via dehumidification tank

Remove the rubber plug in the dehumidification tank to allow dehumidified water to drip into the tank.

Dehumidification note

If the room humidity is lower than the desired humidity by 2%, the ComfortAir will stop dehumidifying. It will start dehumidifying again when the room humidity is higher than the desired humidity by 2%.
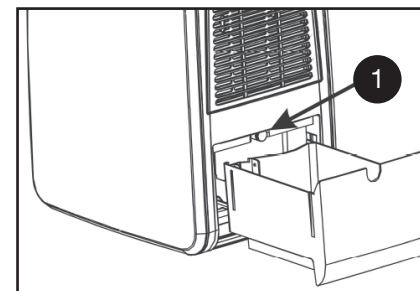
LCD SCREEN DISPLAY GUIDE

☾	Sleep	✺	Fan Mode only
🕒	Timer	🔢	Digital display
🔒	Child lock	🌡	Temperature sign
⇕	Swing	%	Humidity percentage
⚠	Alarm	H	Hours on timer
❄	Cooling	AUTO	Automatic fan speed
💧	Dehumidifying	•••●●	Air speed indicator

REMOTE CONTROL FUNCTION
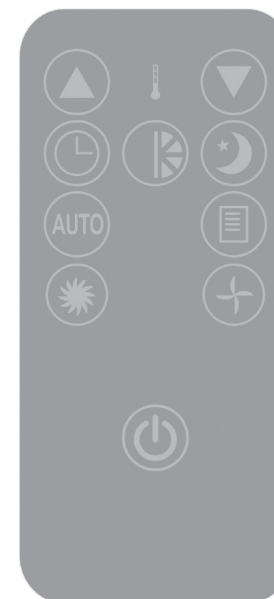
⏻	**POWER**	On/Off switch
▤	**FUNC**	Function/"mode" selector
🕒	**TIMER**	Set timer
AUTO	**AUTO**	Automatic fan speed
✻	**HI**	High fan speed
✛	**LOW**	Low fan speed
☾	**SLEEP**	Sleep mode selector
▲ 🌡 ▼	**TEMP.**	Temperature and humidity selector
⇕	**SWING**	Swing mode

MAINTENANCE

PLEASE DISCONNECT THE POWER CORD BEFORE CLEANING

AIR FILTERS

1. The air filters located on both sides of the ComfortAir can be removed simply by pulling the frame out.
2. Wash the filter with cool water (cooler than 40°C) every two weeks, and put filter back after it has air-dried naturally.

CONDENSER/EVAPORATOR

Use a vacuum cleaner with a brush attachment to clean.

OUTER CASING

Wipe with a damp cloth and polish with a soft cloth.
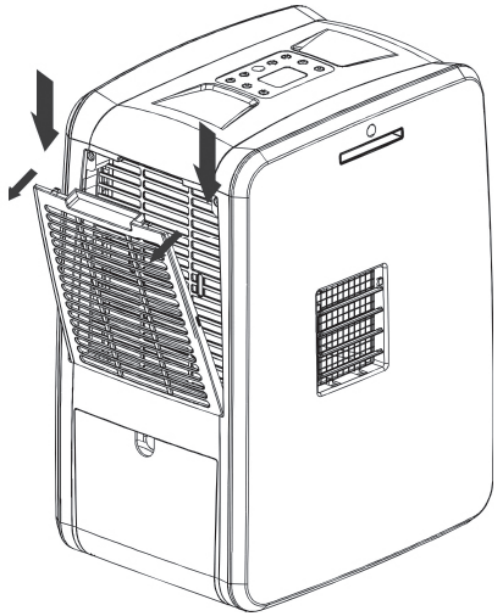
PLACEMENT FOR USE

1. Because the ComfortAir exhausts hot air, please do not operate in narrow environments.
2. Do not operate in direct sunlight as the ComfortAir may over heat and shut down or the plastic may fade.
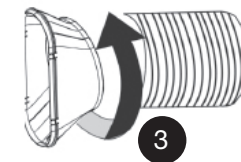
EXHAUST HOSE INSTALLATION

1. Take out the joint tube from the exhaust pipe (see picture **1**) and fix Part A and Part B together.
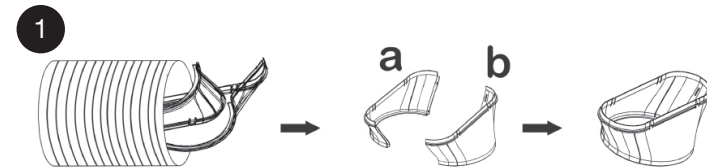
2. Press the right side filter downwards (see picture **2**) to take off the hot air outlet joint.
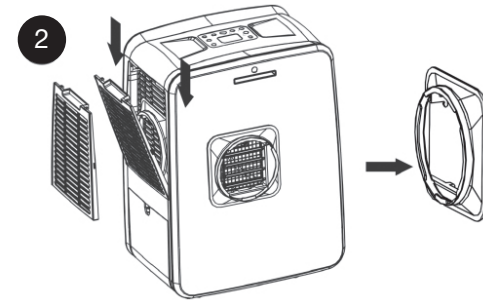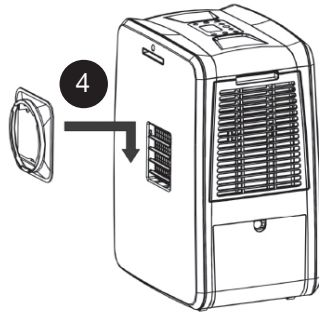
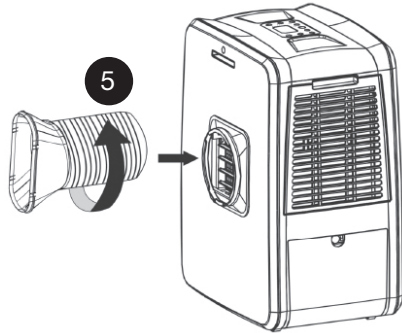3. Screw the exhaust pipe counterclockwise onto the joint tube (see arrow **3**).
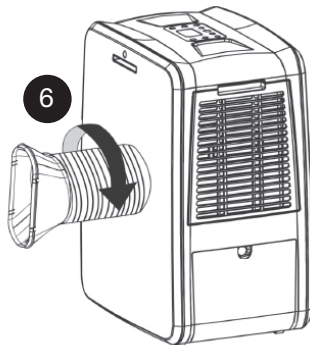
4. Attach the pipe joint onto the ComfortAir (see arrow **4**).

5. Screw the exhaust pipe counterclockwise on to the pipe joint (see arrow **5**).

6. To remove the exhaust pipe, unscrew the exhaust pipe clockwise and take it out (see arrow **6**).

WINDOW KIT INSTALLATION

Install the Exhaust Hose and the Adjustable Window Slider Kit as depicted in Fig.1 and Fig.1a.
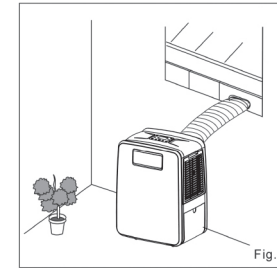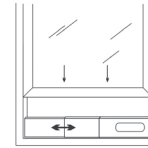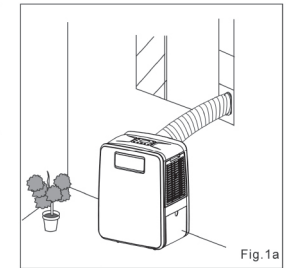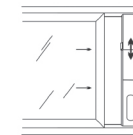

Figure 1 - Vertical sliding windows installation

Figure 1a - Horizontal sliding windows installation

TROUBLE SHOOTING

Problem	Cause	Trouble shooting
E1	Electrical short on both temperature sensor and PCB.	Contact an electrician for repair.
E2	Electrical short of temperature sensor copper tube and PCB wiring.	Contact an electrician for repair.
E4	Indicates water tank full or possibly incorrect placement of drainage hose.	User needs to pull out the rubber stopper which is located within the water tank to drain water held within the main unit. Check that the drainage hose has been positioned correctly.

SPECIFICATION

Model No.	PC11-DM2A
Power Source	220-240V~50Hz
Rated Power (EN60335) Cooling	610W
Cooling Capacity	1100W
Moisture Removed	30 litres/day
Humidifying capacity	0.2 L/H
Refrigerant	R134a
Water Tank Capacity	2.6L
Dimensions (mm)	285W x 375D x 500H

(CE) N 842/2006:

R134a is a kind of fluorinated greenhouse gases covered by the Kyoto Protocol.

R134a is total global warming potential (GWP) is 1430.

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible hazards to the environment or human health from uncontrolled waste disposal, please recycle it to prove the sustainable reuse of material resources. Please ask return and collection systems or contact the retailer where the product was purchased to return your used device, they can recycle products safely.

Dimplex®