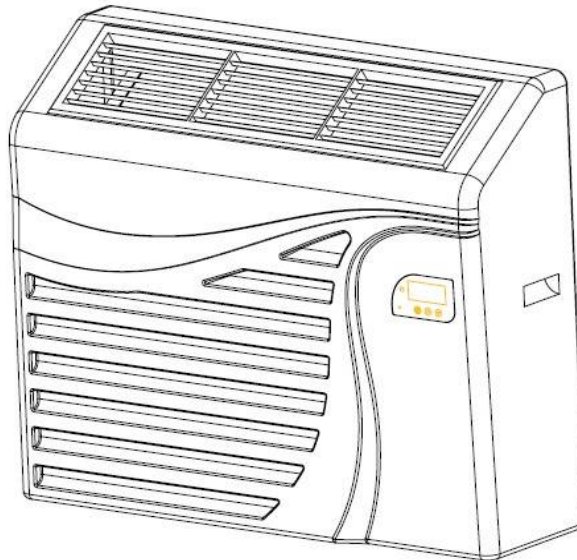


READ AND STUDY MANUAL BEFORE USE

Swimming Pool Dehumidifiers

220-240V Models: SP800/800C, SP1000/1000C



DECLARATION OF CONFORMITY



We, declare under sole responsibility that our models (SP800/800C and SP1000/1000C) to which this declaration relates are in conformity with the following standards :

EMC :

EN 55014 - 1:2006, EN 55014-2:1997+A1:2001

Electromagnetic Compatibility: emission requirement

EN 61000 - 3 - 2:2006, EN 61000-3-3:1995+A1:2001+A2:2005

Electromagnetic Compatibility: emission requirement.

LVD :

EN 60335 - 1: 2002+A1:2004+A11:2004+A12:2006+A2:2006

Safety of household and similar electrical appliance

- General requirements.

EN 60335 - 2-40: 2003+A11:2004+A12:2005+A1:2006

Particular requirements for electric heat pumps,

air conditioners and dehumidifiers.

Suntec Industries (H.K.) Ltd.

Design and Development

Suntec SP Series Swimming Pool Dehumidifiers are well used in swimming pools, sauna rooms, museums, art galleries, storage, archives, etc. They reduce the condensation on the windows, walls or other parts of the building in enclosed structural environments, which prevents mould, corrosion, rot of the building.

Suntec SP Series Swimming Pool Dehumidifiers work on the basis of the condensation principle with heat recycling, which means that the air from the room is dehumidified but all of the energy used remains in the room in the form of heat. The exchange principle guarantees the energy-saving of up to 70%, which makes it especially favorable from an ecological point of view.

Safety Instructions

- Do not allow children to play with or around the operating unit.
- Keep wiring and motor dry. Never operate the unit in standing water, rain and snow, as this may create a risk of injury from electric shock.
- Do not use the adaptor.
- Do not operate the unit with a damaged power cable.
- Always operate the unit with an earthed plug and with an earthed supply.
- Extension cables must be earthed and be able to deliver the appropriate voltage to the unit.
- Do not drop or throw the unit.
- Always operate the unit on a stable, level surface.
- Do not clog or block air intakes.
- Do not attempt to disassemble or repair the unit if you are not qualified to do so.

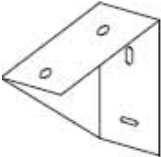





How to Use Dehumidifiers

Prior to installing your dehumidifier:

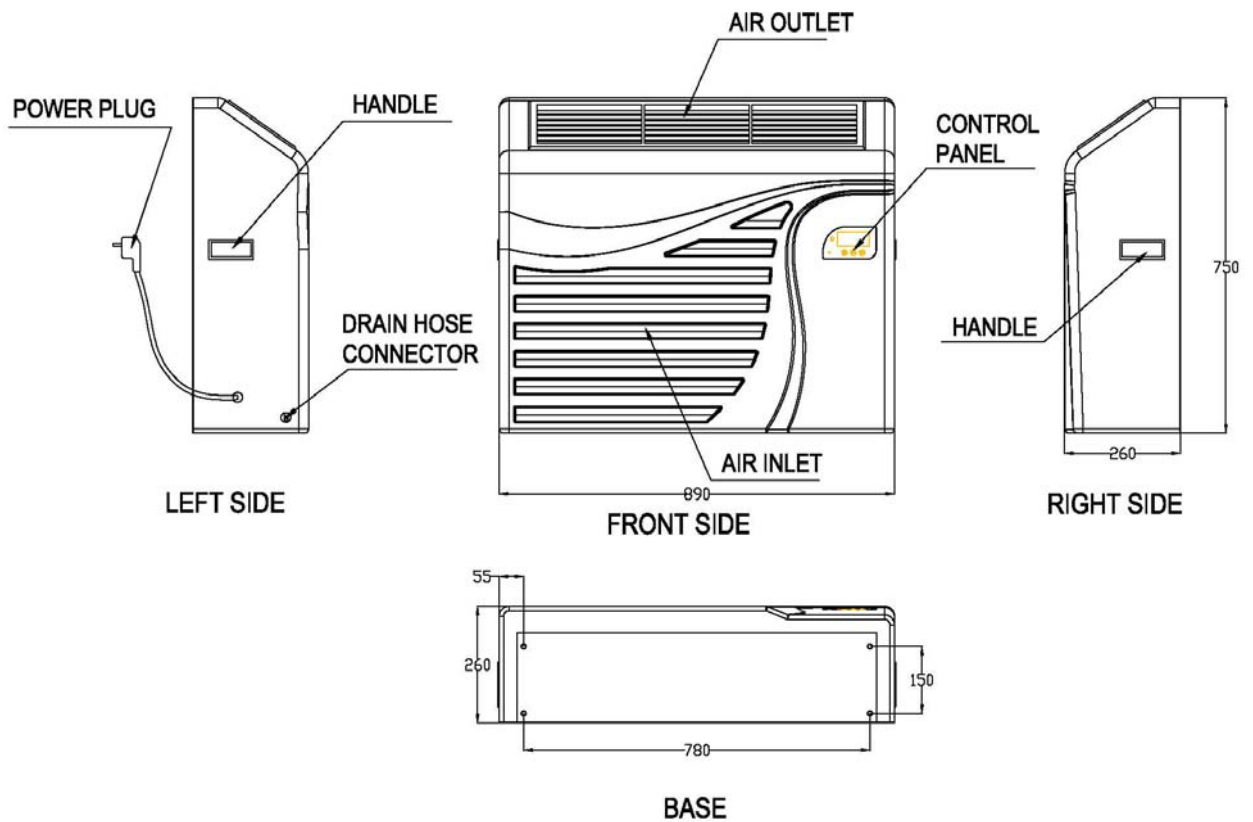
All dehumidifiers are factory assembled and tested prior to delivery. Please unpack the carton and check whether there is any damage on the surface on the

dehumidifier and whether the accessories are complete as stated on the following included accessories. If severe damage has occurred, please contact your supplier immediately and do not attempt to install dehumidifier unit.

Included Accessories per unit

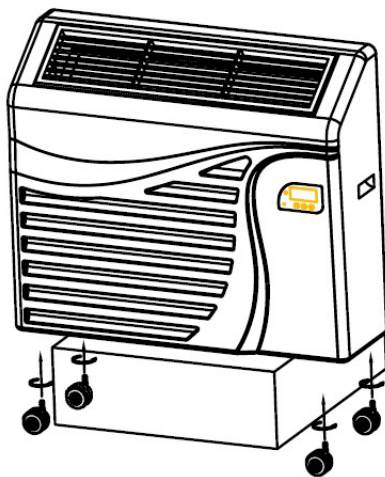
Accessories	Accessory Name	Qty	Description
	Wall Mounted Brackets	2	Used for wall mounted installation.
	Exploded Screws & Washes (fixing wall)	6	Used for wall mounted installation.
	Screws & Washes (fixing Dehumidifier)	4	Used for wall mounted installation.
	Floor Mounted Brackets	4	Used for floor mounted installation.
	Universal Wheels	4	Used for mobile installation.
	Water Drain Hose (2 Meters)	1	Used for drain out water.

You can also find out the external dimension of your dehumidifier from the following diagram.



Installing your dehumidifier

How to install the dehumidifier on the wheels?



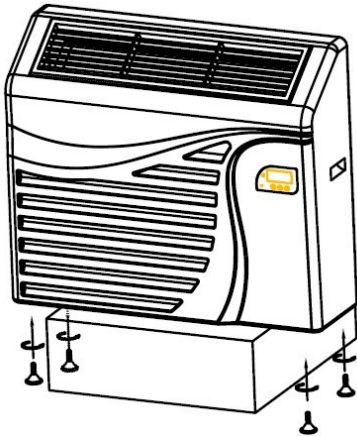
Step 1: Lift up the dehumidifier and let it sit on the wooden box as show on figure below.

Step 2: Take out the wheels from the accessory bag and screw those wheels into the screw thread on the base.

Step 3: Put the dehumidifier on the flat ground.

Step 4: Adjust the wheels height according to the ground condition.

How to install the dehumidifier on the ground?



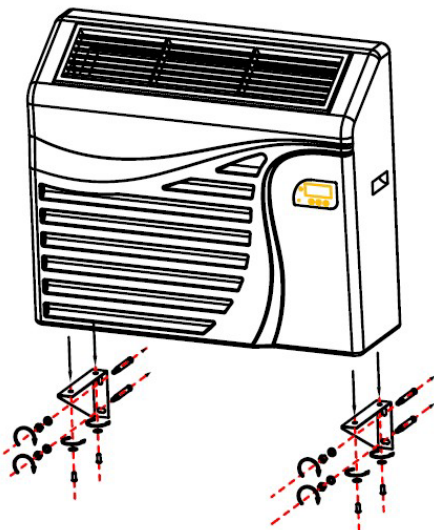
Step 1: Lift up the dehumidifier and let it sit on the wooden box as show on figure below.

Step 2: Take out the floor mounted brackets from the accessory bag and screw those brackets into the screw thread on the base.

Step 3: Put the dehumidifier on the flat ground.

Step 4: Adjust the brackets height according to the ground condition.

How to install the dehumidifier on the wall?



Step 1: Choose the right installation position for the wall support according to the size of installing holes and the wall bracket holes position. The installation position should guarantee the dehumidifier in horizontal position. The position of the exploded screw should be marked.

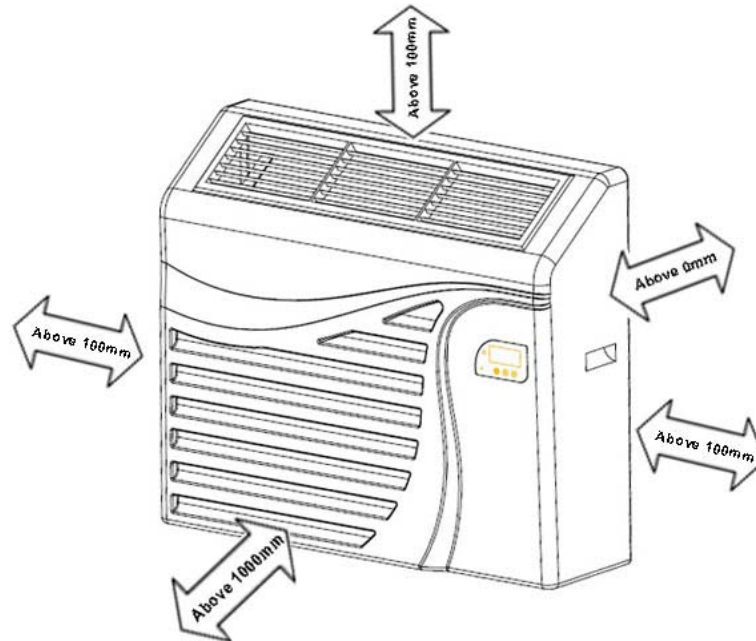
Step 2: Use the M8 percussive drilling machine to drill holes of 8mm \pm 0.5mm depth. Then take the nuts and gaskets off from the exploded screw and fix them into the holes with the hammer.

Step 3: Install the wall bracket with the exploded screw on the right position. Please take care to fix the bracket well with the nuts and gaskets. And don't forget to keep the bracket in the right direction during the installation.

Step4: Hang the dehumidifier on the wall bracket and aim dehumidifier base installing holes at the bracket holes. Fix the dehumidifier on the bracket with the fix screws and gaskets.

Position the dehumidifier

Before you turn on the machine, make sure there is enough space around the machine. Keep it away from anything that could prevent airflow into and out of the unit.



CAUTION! Never operate the Suntec SP dehumidifiers at temperature above 40°C. It could damage the machine.

Operating Your Dehumidifier

Place the dehumidifiers in upright position

If the dehumidifier has been in a horizontal position for any time over a few minutes, you must set it upright (vertical) for 45 minutes before starting.

Connect drainage system

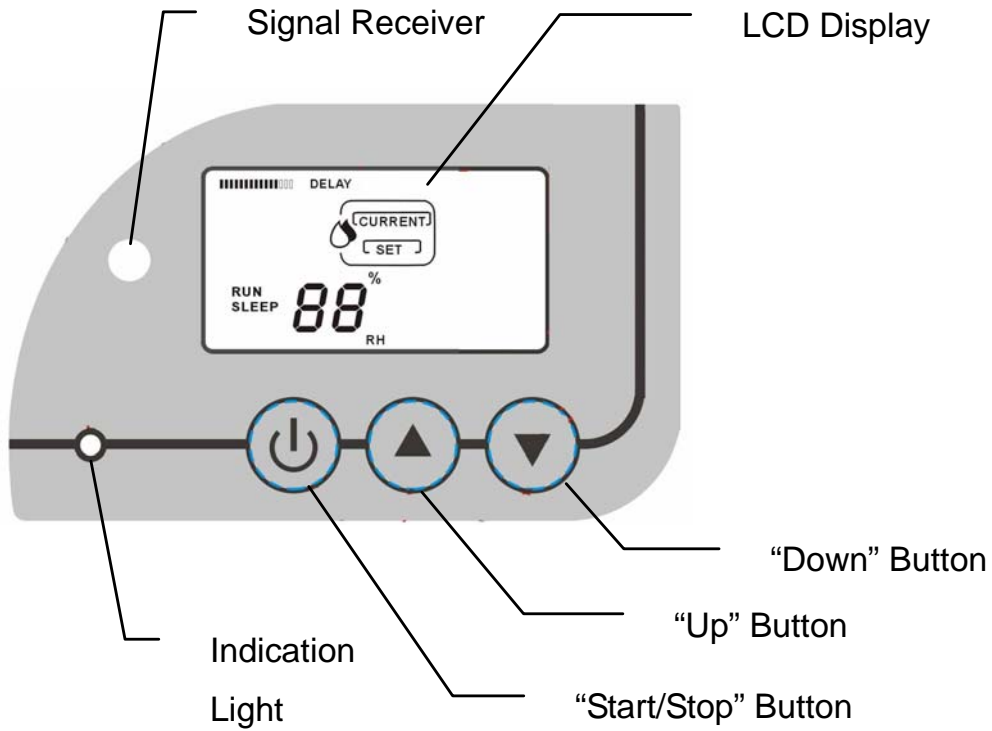
You can find the hose wrapped around in the accessories pack. Unwrap the entire hose, plug it into the water drain hose hole and run it into a drain, or bucket.

Plug in the electrical cord

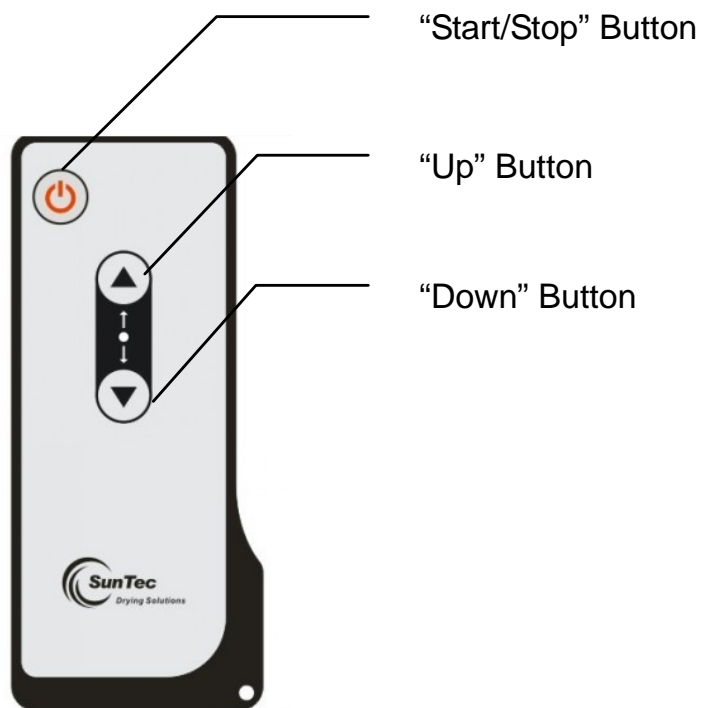
Locate the electrical cord. Plug it into a standard outlet with the correct voltage and amperage for the unit. If the unit experiences a loss of power, which can result from a power interruption and overheated.

How to Use the Control Panel & Remote Control

Control Panel




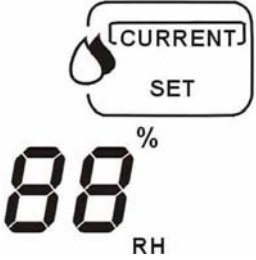
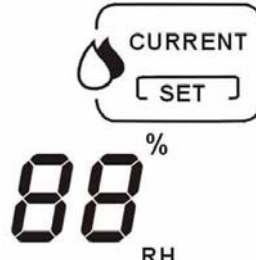
Remote Control






Indication Light:

Status	Colors	Description
Off	N/A	The machine HASN'T been connected to the electric supply.
On	Red	The power cord plug HAS been connected to the wall socket.
On	Green	Machine has started dehumidification.

LCD Display:

	DELAY BAR.
	Current Humidity Display Mode. It reads the current ambient air humidity.
	Humidity Setting Mode. It reads the desired air humidity.
RUN	Running Mode. DEHUMIDIFICATION is ON.
SLEEP	Sleeping Mode. DEHUMIDIFICATION is OFF. It automatically goes back to Running Mode again when the ambient humidity is higher than the preset humidity.

Touch Pad Keys:

	<p>On/Off. Press the On/Off key to start or stop the dehumidification.</p> <ul style="list-style-type: none">● After press the On/Off key, the machine starts and performs a compressor delay. The delay is up to a maximum of 180 seconds. (30 seconds delay for the first startup). The DELAY BAR flashes during this delay period.● When dehumidification starts, the red indication light changes to green and LCD light up.● When dehumidification starts, the LCD will display the current ambient humidity.● Press the START/STOP key again to turn the machine off. The green indication light changes back to red and LCD light off.
	<p>“UP” KEY. Press the “UP” key to go to the Humidity Setting Mode and start to set the desired air humidity,</p> <p>The desired air humidity will be increased by 5% for every press on the “UP” key. The default preset desired humidity is 60%RH. The adjustable range is from 25% RH to 80% RH. “- - %RH” is the value beyond this range, which read as nonstop dehumidification.</p>
	<p>“DOWN”KEY. Press the “DOWN” key to go to the Humidity Setting Mode and start to set the desired air humidity,</p> <p>The desired air humidity will be decreased by 5% for every press on the “DOWN” key. The default preset desired humidity is 60%RH. The adjustable range is from 25% RH to 80% RH. “- - %RH” is the value beyond this range, which read as nonstop dehumidification.</p>

Error Messages

Message	Description
Er01	Check ambient temperature sensor at the air inlet back side of the casing. And its sensor cable.
Er02	Check coil temperature sensor at the side of coil and its sensor cable.
Er03	Check humidity sensor at the back side of air inlet of the casing and its sensor cable.
Er04	The ambient temperature is over 40°C. Please restart the dehumidifier after the ambient temperature below 40°C.

Maintenance

When it is not going to be used for a long time

- Set 80%RH as desired humidity for 3 or 4 hours to dry the inside of the dehumidifier.
- Turn off the dehumidifier and then disconnect the power plug.
- Remove battery from Remote Control.

When the dehumidifier is going to be used again

- Make sure the air inlet and air outlet does not be blocked.
- Check the ground wire is connected correctly.

WARNING! Always unplug any dehumidifier before performing maintenance procedures.

Warranty

Suntec warrants to the original purchaser that if within a period of 12 months from the date of purchase this equipment is found to be defective either in original materials or workmanship, other than that of fair wear and tear, the faulty part will be replaced free of charge upon presentation of the appropriate evidence, providing the unit is returned to the original supplier.

Specifications

Model	SP800/800C	SD1000/1000C
Water Removal (30° C/80%RH)	80L /per day	100L /per day
Operating Temp. Range	1° - 40° C	1° - 40° C
Operating Humidity. Range	40% RH up to 95% RH	40% RH up to 95% RH
Refrigerant (CFC Free)	R410A	R410A
Power Consumption	1200Watt	1400Watt
Voltage / Cycle	220-240V/50Hz	220-240V/50Hz
Ampere	6 Amps	7.5 Amps
Rated Air Flow	480 m ³ /h	500 m ³ /h
Noise Level	48dB(A)	48dB(A)
Installation/mobility	Mobile/ Floor Mount / Wall Mount	Mobile/ Floor Mount / Wall Mount
Control	Touch-pad control panel with humidistat; Remote Control	Touch-pad control panel with humidistat; Remote Control
Defrost Type	Hot-gas bypass	Hot-gas bypass
Housing	Hard Plastic	Hard Plastic
Drain Hose Length	5m	5m
Cable Length with Plug	4m	4m
Length	890mm	890mm
Width	260mm	260mm
Height	750mm	750mm
Use Weight	60kg	62kg

Specifications are subject to change without notice. Some values are approximate.



Suntec Industries (H.K.) Ltd.

Tel: +852 8130 0676

Fax: +852 8130 0671

URL: www.suntecind.com