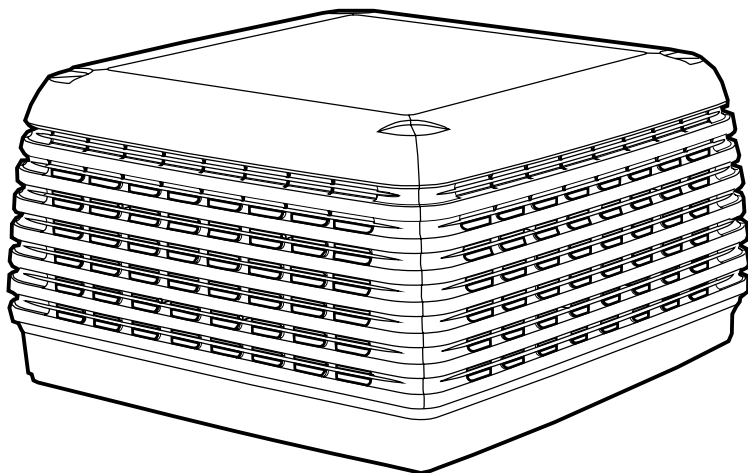


OWNER'S MANUAL

Evaporative Cooler



(English) (LCB, CPL, CPS, BM)

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INTRODUCTION

At Seeley International we manufacture evaporative coolers from the highest quality materials, and we have designed the product to provide many years of economical, trouble-free cooling.

Please take a few moments to read these operating instructions, so that the most can be gained from this investment. Keep these instructions in a safe place for future reference.

Your installer should demonstrate the features and procedures set out in these instructions. The installer should also provide you with a Model and Serial number, which can be filled out on the last page.

KEEP THESE INSTRUCTIONS IN A SAFE PLACE FOR FUTURE REFERENCE.

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 the use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the appliance.

Important Notes!

In areas where temperatures can cause water supply pipes to freeze, a drain down facility should be provided during the installation. This drain down facility must be activated prior to freezing conditions, to avoid possible damage to the cooler components.

If the supply cord is damaged, it must be replaced by a Seeley service agent or similarly qualified person in order to avoid hazard.

New hose sets supplied with the appliance are to be used. Old hose sets (from previous installations) should not be re-used.

EFFECTIVE COOLING

To provide efficient cooling or ventilation the building must have sufficient exhaust openings to outdoors in the form of doors, windows or other vents. To assist air circulation, open windows or doors that are furthest from the outlet vent in each room. In every room that has an outlet vent, provide an exhaust opening about 2 or 2.5 times the vent size of the room. Where the design of the building prevents adequate exhaust, consideration should be given to the provision of mechanical extraction such as an exhaust fan.


Total minimum openings for the whole building

Cooler Models				Exhaust Opening
LCB250	BM500	CPL450	CPS450	2.0m ²
LCB350	BM750	CPL700	CPS700	2.5m ²
LCB450	BM900	CPL850	CPS850	3.0m ²
LCB550	BM1150	CPL1100	CPS1100	4.0m ²

* Please note that an average size door is 1.5m²

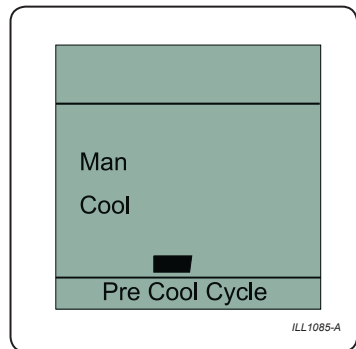
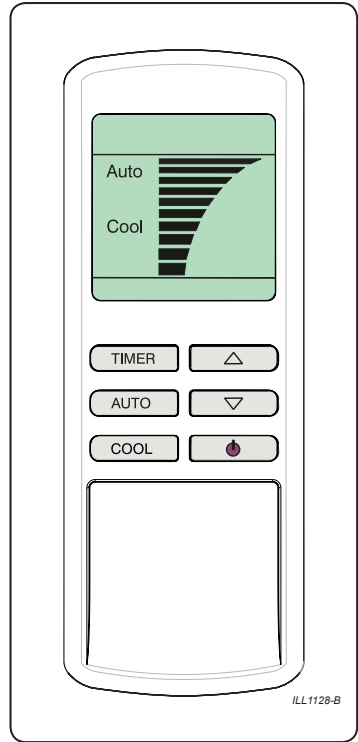
WALL CONTROL FUNCTIONS

STARTING YOUR COOLER

The  button turns the air cooler on and off.

There are two modes of operation to choose from, Automatic mode or Manual mode. When the air cooler is turned on, it will start in the mode of operation it was in when last turned off.

If your air cooler has not been operated for a while, then when you start it, "Pre Cool Cycle" may sometimes flash on the display as shown. This indicates that the water pump will operate to saturate the cooling pads for a few minutes before the fan is turned on. This is to ensure that when the fan starts, only cool air enters the building.



WALL CONTROL FUNCTIONS

cont.

AUTOMATIC MODE

The **AUTO** button is used to select Automatic mode or Manual mode. When "Auto" is displayed the cooler is under Automatic control and will operate according to the temperature sensed at the wall control.

When the air cooler is turned on, it will read the temperature and set the cooler operation accordingly. If the temperature increases at the wall control, then the fan speed will increase. As the temperature decreases the fan speed will decrease until the cooler turns off.

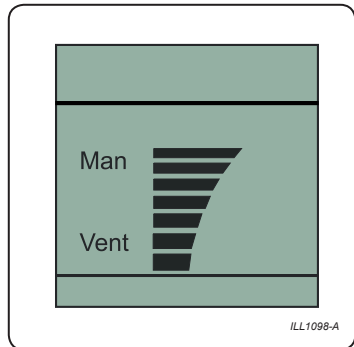
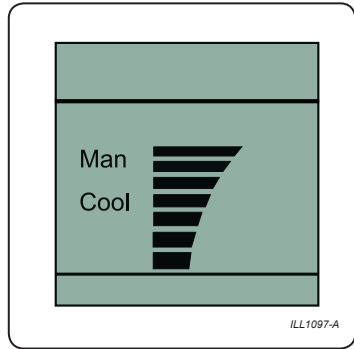
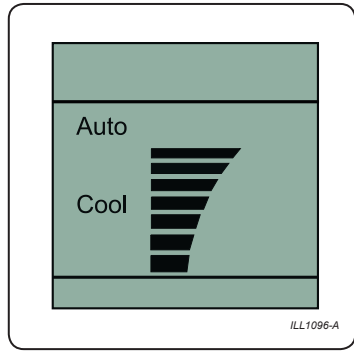
Press **▲** or **▼** to override the automatic cooling level setting and adjust your room temperature.

MANUAL MODE

To switch to Manual mode, press **AUTO** until "Man" appears in the display. In Manual mode the cooling level can be manually adjusted.

In Manual mode, press **COOL** to choose between circulating cool air or un-cooled air. When "Cool" is displayed, fresh cool air will circulate into the building. When "Vent" is displayed as shown, fresh un-cooled air will circulate through the building.

Press **▲** to increase the fan speed and circulate more air. Press **▼** to decrease the fan speed and circulate less air. Press once to change the speed by one increment. Hold the button down to change the speed more quickly



WALL CONTROL FUNCTIONS

cont.

TIMED AUTOMATIC START

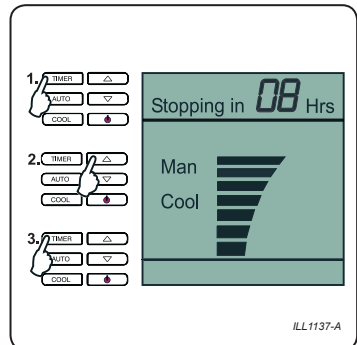
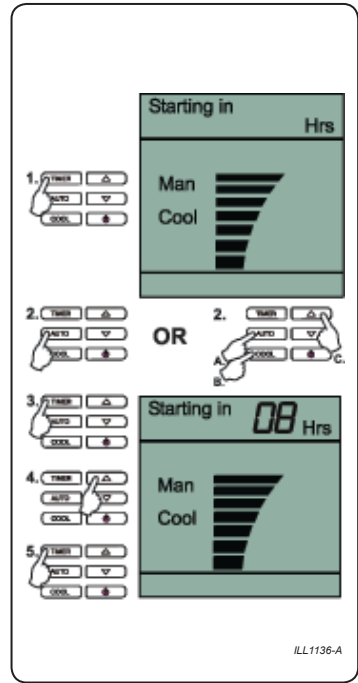
You can set the air cooler so that it will turn on after a set number of hours.

1. To set the delayed start time, press **TIMER** button with the cooler turned "Off". "Starting in" will be displayed as shown with the last mode of operation (Manual or Automatic).
2. If you want the air cooler to turn on in Automatic mode with the previous settings, then press **AUTO** until "Auto" is displayed. Alternatively, if you want the air cooler to turn on in Manual mode, press **AUTO** until "Man" is displayed and then press **COOL** and then **▲** or **▼** to set the required fan speed.
3. To set the time until the start, press **TIMER**.
4. Then press **▲** or **▼** to adjust the time. The cooler can start up to 24 hours in advance.
5. Press **TIMER** again to initiate the timed automatic start. The timed start will not repeat.

TIMED AUTOMATIC STOP


You can also set the air cooler so that it will turn off after a set number of hours.

1. To set a delayed stop time, press **TIMER** with the cooler running. "Stopping in" will display.
2. Press **▲** or **▼** to adjust the number of hours before the air cooler will stop. The maximum delay setting is 24 hours.
3. Press **TIMER** again to begin the timed stop.





WALL CONTROL FUNCTIONS cont.

USING THE COOLER


Now that you have read these instructions, press the  button to turn your air cooler on. If the air cooler has not operated for a while, "Pre Cool Cycle" will flash on the display. The "Pre Cool Cycle" will begin and will take only a few minutes to complete. After this time, the fan will come on automatically, and you can enjoy the comfort of cool fresh air!



AIR TOO COLD

With the cooler running in Automatic mode, you may find that you are too cold or that the air cooler is blowing too much air. Press  to lower the automatic temperature setting and reduce the amount of cooling.

If you are too cold with the cooler running in Manual mode, then press  to reduce the fan speed. You can also circulate fresh un-cooled air by pressing COOL until "Vent" displays.

AIR NOT COLD ENOUGH

You may find that with the air cooler running in Automatic mode, you are not cool enough. Simply press  to increase the cooling rate.

If you are not cool enough with the air cooler running in Manual mode, then press  to increase the fan speed. Ensure that cooled air is circulating by pressing  until "Cool" displays.

You can experiment with the settings on your wall control. This is the best way to get the most from your air cooler.

DRAIN VALVE & BLEED SYSTEM

This cooler comes with a continuous bleed system (Coolair CPL, Coolair CPS, Braemar BM) or automatic Drain Valve (standard for Braemar LCB, optional for CPL, CPS and BM).



CONTINUOUS BLEED SYSTEM

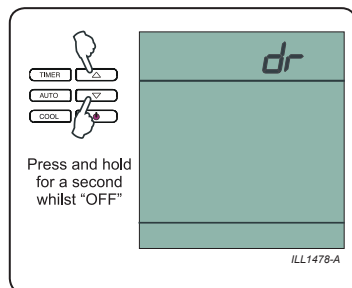
During operation, the bleed system will drain small amounts of water. This ensures fresh water is continually added to dilute salt accumulation in the water caused through evaporation. This helps keep the air cooler in good condition and ensure optimum performance. The bleed rate will depend on local operating conditions and will be set by the installer.

AUTOMATIC DRAIN VALVE

If the drain valve was installed instead of the continuous bleed system then your cooler will automatically drain periodically. This ensures the water is always fresh and helps maintain your cooler in good condition to ensure optimum cooling performance. The frequency of the automatic drain may have been adjusted by your installer according to the general water quality in your area.

When the cooler is turned off for 72 hours, the drain valve will open automatically and empty water from the cooler. When the cooler is turned on again, fan operation will delay for a few minutes while the tank refills and the cooling pads are saturated again.

At any time when the thermostat is OFF, you can drain the cooler by pressing and holding  and  for 1 second. The display will show "dr" to confirm the operation has activated.



MAINTENANCE

Maintenance Schedule servicing is essential to ensure the cooler operates efficiently for many years. **Seasonal Maintenance** is only required if you have a cooler fitted with a bleed system. The following pages outline the suitable maintenance requirements to ensure that your cooler continues to operate efficiently.

If your cooler is fitted with a drain valve, no **Seasonal Maintenance** is required. However, we require that the following components and the operation thereof, be checked after the first year, then every 2 years as **Maintenance Schedule** servicing.

- Pump.
- Drain valve.
- Solenoid and associated filter / fittings.
- Fan motor operation.
- Float valve.
- Salinity probes.

Routine maintenance may be required more frequently in adverse environmental situations or where the appliance is installed in non-domestic applications.

Seasonal Maintenance services must be performed before and after the summer season. **Maintenance Schedule** servicing should be performed before the summer season. It is important to note that all evaporative coolers have components that may need periodic replacement (eg. filter pads, hoses, o-rings etc).

WARNING! As your cooler is mounted on the roof, we suggest that any maintenance or checks be carried out by an authorised Seeley International dealer or service agent. Climbing onto the roof can be hazardous and could result in injury to you and damage to your property.

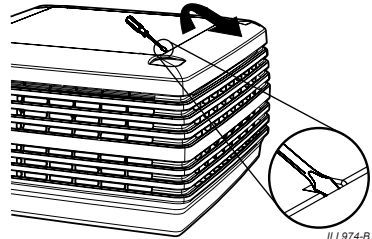
NOTE: Failure to carry out the **Maintenance Schedule** services will affect your warranty coverage. Refer to the checklist on Page 11.

HEALTH REGULATIONS

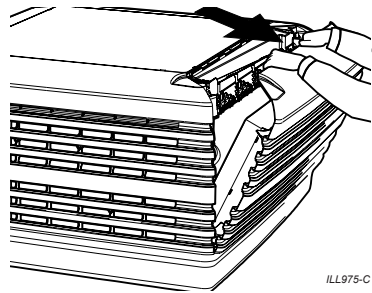
In some states, regulations require that evaporative air coolers be serviced at specific intervals.

REMOVAL OF PAD FRAMES

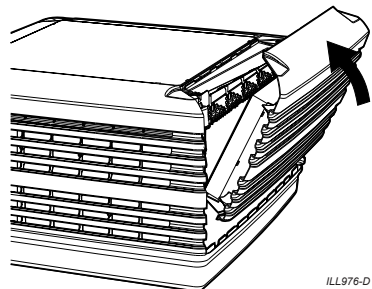
To remove a pad frame, insert a flat screw driver tip into the slot as shown and lever until disengagement occurs.



Take hold of the pad frame and pull it towards you until the internal side clips disengage.



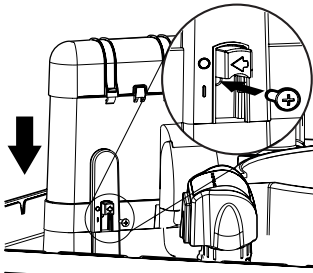
Pivot the pad frame outwards and lift up. Take care not to damage the pad. Repeat these steps for the remaining pad frames.



MAINTENANCE cont.

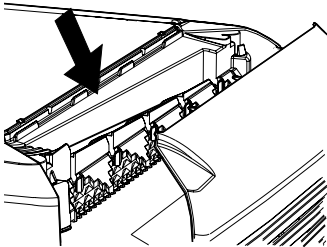
END OF SEASON SERVICE

- Turn off the power supply to the cooler.
- External inspection
 1. Inspect the external cabinet for any damage or deterioration.
 2. Inspect the dropper duct, flashing etc. for signs of corrosion
 3. Check water supply valve for correct operation and leakage.
- A. Turn off the water supply to the cooler.



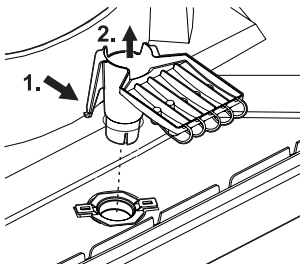
ILL1060-C

- B. Check and clean the lid water channels.





ILL1103-B

- C. If fitted, first unclip and then remove the bleed system as shown. Allow the tank water to drain. Do not lose the o-ring.



ILL1001-B

- Thoroughly clean the tank and pump filter.
- Do not replace the bleed system. (If a Drain Valve is fitted it will automatically drain.)
- Any time the thermostat is OFF, you can drain the cooler by pressing and holding  and  for 1 second. The display will show “dr” to confirm the operation has activated.
- Re-fit the pad frames.

PRE-SEASON SERVICE

- Turn off the power supply to the cooler
- Repeat external inspections as per End of Season Service.
- Remove the pad frames as shown.
- Ensure the power switch in the cooler is off.
- Gently wash the pads to remove any dust build up during the winter period. If the pads are in poor condition, replace them. **IMPORTANT! Do not damage the pads with high pressure water spray.**
- Inspect pad retention pins and washers for damage and that they are securely fitted.
- Replace the bleed system if it was removed during previous maintenance and ensure the o-ring is fitted. (If the cooler is fitted with a drain valve this will not be necessary as it will automatically close when the cooler turns on).
- Check the fan motor, mounts and blades for damage.
- Check electrical isolation switch operates correctly.
- Turn on the power switch inside the cooler.
- Turn on the water and then the power to the cooler
- Check float valve operation.
- Check water pump operation.
- Re-fit the pad frames and run the cooler.
- Check the pads are wetting evenly.
- Check there are no water leaks either internally or external to the cooler.
- Check Drain Valve/Bleed Funnel operation.
- Check Wall Control operation.
 1. Manual and Auto modes
 2. Speed Control
 3. Display Panel

MAINTENANCE SCHEDULE SERVICE CHECKLIST

Service Item	Check/Adjust					Clean					Replace				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
WATER DISTRIBUTION SYSTEM															
Chillcel pads (replace as required)															
Pad retaining washers / pins															
Base / water reservoir															
Pump and filter basket															
Water probes															
Water distribution system															
Washers and seals and o-rings (replace as required)															
Drain valve															
Bleed rate set (where required)															
COMPONENT FUNCTION															
Pump operation															
Drain valve operation															
Motor operation (set motor amps where required)															
Solenoid operation															
Wall control operation															
GENERAL OPERATION															
Water level set point															
Water fill time															
Water drain time															
Water distribution across pads (no dry spots)															
Airflow through system/outlets															
General product condition															

Note! Includes correct refitting of all components and items, and any required replacements.

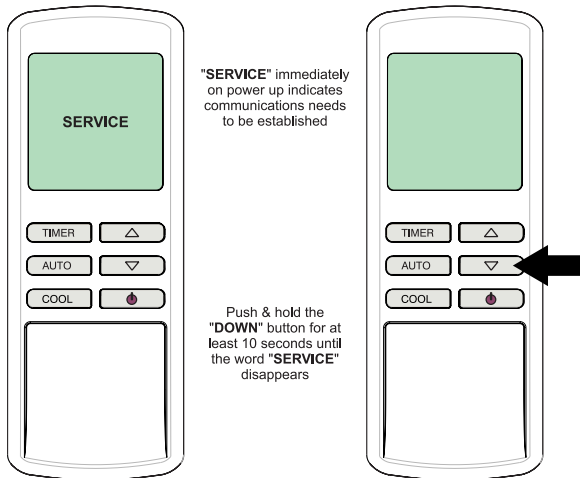
Service No.	Service Date	Service Technician	Service Company
No.1
No.2
No.3
No.4
No.5

TROUBLESHOOTING GUIDE

Symptom	Cause	Action
Unpleasant odour	Odour from the new pads	Fill tank, run pump for a short period to wash pads, drain tank, refill and repeat several times if odour persists. Odour will dissipate after a number of hours of operation.
Inadequate cooling	Dry pads	Ensure the water supply is turned on. Then check the water flow to the pads.
	Insufficient exhaust openings for conditioned air	Ensure sufficient exhaust openings.
	Excessive ambient humidity	On days during the summer when the ambient humidity is high, the cooler will not reduce the temperature as much as on drier days.
Cooler turns ON and OFF	Fault in the cooler	Contact the Dealer or Service number.

If your controller prompts you to call a service agent, please contact your local Dealer or the Service number on the back of this manual.

Note! If on initial start up the word "Service" appears on the controller and by pushing the on/off button nothing happens, then you will need to establish communication between the wall control and the electronic controller. Simply push and hold the "DOWN" button for approx. 10 seconds or until the word "Service" disappears. If by pushing the on/off button a number appears, contact your local Dealer or the Service number on the back of this manual.



ILL1911-A

**When you contact your Dealer regarding service or warranty
please quote the cooler model number as shown below.**

Affix serial & model
numbers sticker here



Warranty Service
Australia 1-300-650-644
seeleyinternational.com

It is the policy of Seeley International to introduce continual product improvement.
Accordingly, specifications are subject to change without notice.
Please consult with your dealer to confirm the specifications of the model selected.

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