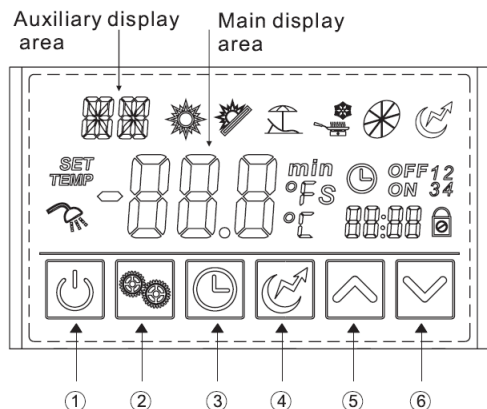


# ARK2X0 Controller Guide



1	ON / OFF	On/Off + cancels settings
2	MODE	Switches mode + saves settings
3	CLOCK	Set the clock or timer
4	EHeat	Turn Aux heat on/off, switch fan
5	Up	Move up + increase value
6	Down	Move down + decrease value

- Shows unit in heat pump only heating mode
- Shows unit in heat pump+element heating mode
- Shows unit in vacation mode
- Shows unit in defrost mode
- Shows fan is on...and its speed
- Shows auxiliary electric heater is on
- Shows set temperature was achieved
- Shows a parameter can be adjusted
- Shows the temp is not adjustable (measured)
- With ON/OFF shows automatic ON/OFF times
- Temperature Units
- Keyboard locked

## WAKE THE DISPLAY

Hold a finger over button (1) until the display awakes. This may take up several seconds.

## ON/OFF

Press the on/off button (1) and hold until the main display area displays the temperature. The unit is now in running mode. Press (1) again, and hold down until the main display area reads "OFF". The unit has reverted to standby mode. *Note: In running mode the unit will maintain the setpoint. Alternatively, set the two timers to control the on / off times automatically.*

## WHEN THE ON/OFF BUTTON DOES NOT RESPOND

If the on/off button (1) does not respond it could be because you are trying to turn on the unit after the set temperature has been reached . If so simply wait until the icon is cleared then retry.

## MODE SELECTION

Continue to Press the mode button (2) to scroll through the various modes - Heating, Eco heating, Intelligent, Vacation mode.

- Eco Mode - uses the heat pump only for heating
- Normal Mode - uses the heat pump and only brings in the booster element if the setpoint has not been reached within 200 minutes..
- Intelligent Mode - Selects one of three modes based on ambient temperature;
  - if ambient temperature is greater than 25degC then uses Eco Mode
  - if ambient temperature is between 10 and 25degC then uses Normal Mode
  - if ambient temperature is less than 10degC uses heat pump + element (no delay)
- Vacation Mode-stays in standby mode until the set date (set to the day before your return).

## RECOMMENDED MODE

Try Normal or Eco Mode first. If water generation is still not sufficient select Intelligent Mode.

## ADJUST THE TEMPERATURE SETPOINT

In standby or running mode press button (5) or (6) to display the set temperature. Use button (5) or (6) to adjust the temperature to the desired temperature. Press (2) to confirm the change, (1) to cancel the change.

## SETTING THE TIME

In standby or running mode press button (3) once. The time parameter will flash. Press (3) again and the hour will flash. Use buttons (5) and (6) to set the hour. Then press button (3) to save the result. The minutes will now be flashing. Use buttons (5) and (6) to adjust the minutes then press button (3) to save the result. The date will now be flashing. Press (3) once and the month will flash. Use buttons (5) and (6) to set the month then press button (3) to save. The day will now be flashing. Use buttons (5) and (6) to select the day, then press button (3) to save the date.

## SETTING THE TWO TIMERS

If you want to control when the unit operates rather than leaving it on all the time, you can set up the two timers to automatically turn the unit on and off. While in any one of the heating modes hold button (3) for 2 seconds to enter the timer setting screen. ON 1 and the time parameter flash. Press (3) again and the hour flashes. Use buttons (5) and (6) to set the hour, then press(3) to save the result. The minutes now flash. Repeat for the minute selection. OFF 1 then flashes with the time. Set the turn off time. Next ON 2 and its time will flash. Once set the OFF 2 time will flash. Set and confirm.

*Notes: Press (1) at any stage to cancel any new settings.*

*Hold down button (3) for 2 seconds to skip to the next setting at any stage*

## CANCEL THE TWO TIMERS

Hold button (3) down for 2 seconds. Press (3) again so that the hour is flashing. Press button (1) to cancel timer 1. Press (3) to confirm the cancellation. *Note: Button (1) will not respond while the unit is running. Wait for unit to complete its heating cycle then retry.*

## SETTING THE START UP DATE (VACATION MODE)

Press (1) and hold in until the unit turns off. Hold down button (3) for 2 seconds till the date flashes. Press (3) and the month flashes. Use buttons (5) and (6) to select the month. Press (3) and the day flashes. Use buttons (5) and (6) to adjust the day. Press button (3) to save the start up date. The unit will not start up again until that date is reached.



*Note: Vacation mode icon displayed while in standby mode.*

## BOOSTER HEATER SETTING

The electric booster heater can be turned on when the heater is in standby mode or when heating. Press button (4) once to turn on the heater and press button (4) once to turn it off.



*Note: The heating element icon is displayed while the heating element is on.*

## FAN SETTING

Hold down button (4) for 2 seconds and the fan will run at low speed once the set temperature is reached. Hold button (4) down for another two seconds and the fan will run at high speed after the target temperature is reached. Hold button (4) down for another 2 seconds and the fan icon will rotate to show automatic mode. For Australian conditions select auto mode.



*Fan on high speed.*



*Fan on low speed.*

## LOCK THE KEYBOARD

Hold down button (1) for 5 seconds to lock the keyboard. Hold button (1) down for another 5 seconds to unlock the keyboard.



*Note: The lock icon appears when the keyboard is locked.*

**ANY ISSUES CONTACT THERMALARK 1800 44 90 30**