

Make/Model	Serial #	Date
Bonaire Evaporative Cooler Controls	N/A	02/03/2022

Technical Notes:

Fan Capacitor Warning – Shock Hazard:

The fan run capacitor can hold a charge for an extended length of time (easily more than a week) which can cause a shock. Under normal circumstances, the capacitor can store up to approximately 330V DC. Due to this, it is advised that you ensure the capacitor is discharged to a safe voltage before handling it or the wires connecting to it. You can check if the capacitor is still holding a charge by turning off the mains power to the cooler and measuring the voltage across the capacitor with a multimeter set to measure DC volts.

Fan Capacitor Warning – Fire Hazard:

The black “ALL EARTH” and white “EICAR” capacitors originally supplied with the coolers can get extremely hot when they fail, resulting in a fire. If you have one of these capacitors fitted, it is strongly advised that you replace it with a metal bodied capacitor that has a “P2” or “S2” safety rating.

We stock high quality metal bodied motor run capacitors with P2/S2 safety ratings.



Installation – Fan Capacitor Wiring:

Be aware that incorrect wiring of the fan motor run capacitor will likely result in severe damage to the control board, causing a component on the circuit board to overheat, which often results in a fire.

When re-connecting the fan run capacitor to the control board, ensure you follow the wiring diagram on the back of the lid of the enclosure and double-check your work. If you don't have a wiring diagram, please contact us and we will email one to you. We suggest re-connecting the fan run capacitor first, as it is critical that it is wired in correctly. If you are at all unsure about the capacitor wiring, please take some photos that clearly show where you've got the wires connected to and contact us to verify that the wiring is correct.

Damage caused by mis-wiring will not be covered under warranty. In the event of damage caused by mis-wiring, you will need to bring or send back the control board to determine if it can be repaired. If repair is viable, you will be offered a discounted rate.