

## Trouble shooting the A&I 48/96/144 and 288 egg incubators



Whether you own the 48, 96, 144 or 288 egg incubator the units are identical except for the fact that the 96 and 288 egg units (double decker) have two extra connectors. One for the bottom tray and one for the second fan.

***This should be apparent but I'll mention it anyway. Before you start trouble shooting your unit make sure you're read the user manual. Don't fix it if it's not broken!***

## **If the unit is not reacting properly**

In a lot of cases when the unit is not responding as it should. It could be that the unit is not reacting to adjustments or there could be issues with the temperature and humidity settings. Often this can be remedied by simply returning the unit to the original factory settings.

## **Returning your unit back to factory settings**

Just press the **[+]** and **[-]** buttons simultaneously and hold them in for 5 seconds. The unit should go back to the original settings.

## **Humidity**

### **Insufficient humidity:**

It can at times, depending on the ambient humidity, be insufficient just filling the designated channels with water to achieve the desired humidity. Don't let this restrict your range. Add water to the bottom of the unit. You have to try out what works best for your specific needs and conditions.



## Humidity too high

If the humidity is continuously too high reduce the recommended amount of water in the unit. The reverse of the above is then applicable. You have to try out what amount of water in the channels works for you.

Before you put your eggs at risk it is prudent to verify that the displayed humidity is correct if you suspect that it could be wrong. You can use a hygrometer to check that. The displayed humidity cannot be calibrated in these units but you can compensate for the difference.

## Temperature too high

Many bird breeders add a separate thermometer to make sure that the temperature that is displayed on the unit is in fact correct. If the displayed temperature is too high, check the following;

- Firstly, make sure that the thermometer you're using is accurate.
- If the temperature is constantly higher than what is displayed you can recalibrate the unit.

## Temperature too low

If the temperature is too low and does not increase check if the element is heating up and that the fan is working.

\* If the displayed temperature is incorrect you can recalibrate the temperature readout.

## Calibrating temperature sensor readout (CA)

This is something that should not need to be done but if you're sure that the reading is incorrect you can adjust it.

- Press and hold the **[Set]** button for 3 seconds.
- Scroll through the codes by using the **[+]** or **[-]** until **(CA)** appears in the display screen.
- Press **[Set]** and adjust the parameter to your desired setting using the **[+]** or **[-]** buttons.

Note that the adjustment is the difference between the displayed temperature and thermometer reading. It should be adjusted with **[-]** if the temperature reading of the incubator is too high and **[+]** if the incubator reading is too low.

## Egg turning

In these units egg tray does not in fact turn the eggs but tilts them from side to side having the same result as if the egg were actually turned.

A thing to be aware of is that the eggs are tilted every 2 hours. The unit has a LCD display on the top left side which shows how much time is left until the next turning of the egg trays. It starts out at 1 hour and 59 minutes (1:59). The tray will only start moving from side to side once the counter reaches zero.

The position that the tray ends in happens in a somewhat random position.

Because of this it can at times end up in the original position.

To be sure if the trays are turning you can watch them once the counter reaches zero.

Between 1:59 and 0:00 there will be no movement at all.

If the egg tray(s) is in fact not turning would you please check the following;

- I know that it's stating the obvious but check that the tray(s) is properly plugged into the connection from the unit.
- Check that the egg tray is not jamming against turning crank arm.
- Make sure that the crank arm is properly positioned in the groove of the turning slide.



If the above has been checked and the tray is still not turning please contact us. In most cases it will be the turning motor that is defective.

- If you have a double decker unit and one of the trays is not working, please switch the trays around, that way you can verify whether the turning motor is defective or the connection from the controller. If it is the controller the unit will have to be returned for a new one.

You can contact us at: [www.aibrooderincubator.com](http://www.aibrooderincubator.com)

**Thank you**