

Ctrl Rng (control range):

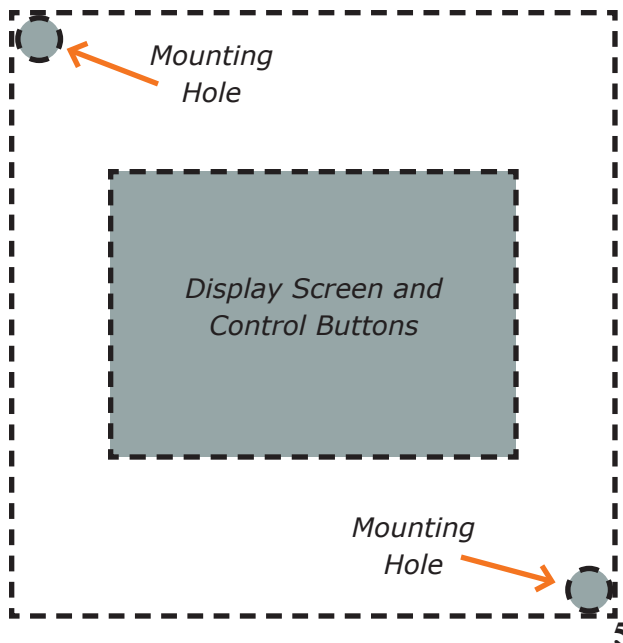
This changes the temperature range that the decreasing heater slope will be applied to. The default is 5.0. This means that over a range of 5 degrees (beginning at the "Ctrl Ofs" point), the power will taper down to zero percent.

OSPslope:

This changes the percentage of total power that the heater will receive after the set point has been reached. The default is 0.75. This means that when the set temperature is reached, power will adjust down to 75% of the where it would otherwise be on the control range decreasing slope.

Mounting Template

This template can be used for creating holes in the correct place in your incubator container. Cut out the template and the mounting holes and display screen and control buttons sections. Then lay the template where you want to mount the IncuKit Mini. This will let you know where to make the holes for mounting.



Looking for more detail?

For more information about the Ctrl Ofs, Ctrl Rng and OSPslope settings, please see this website: <http://incubatorwarehouse.com/incubator-warehouse-blog/Adjusting-the-IncubatorWarehousecoms-Proportional-Thermostat/>

Factory Reset:

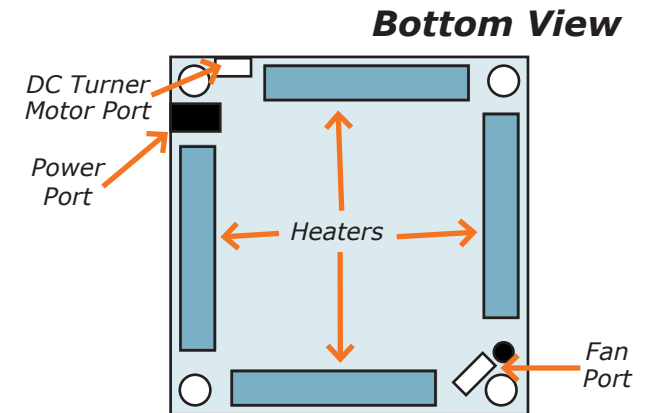
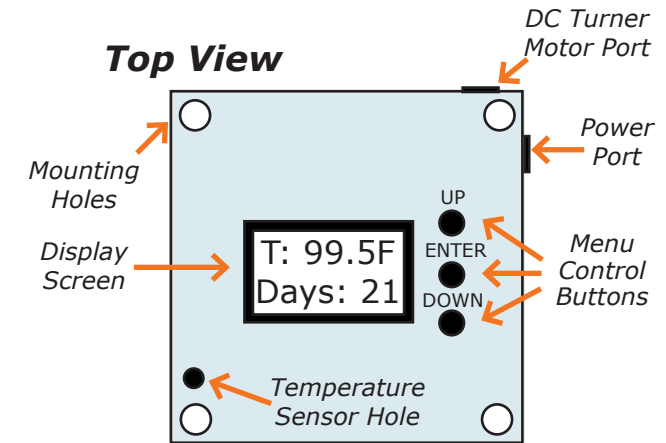
To reset to the incubator control module to factory settings, do the following:

1. Unplug the incubator,
2. Press and hold the ENTER and DOWN buttons,
3. While holding these buttons plug the incubator in,
4. As soon as you see "Loading Defaults" on the screen release both buttons.

IncuKit Mini™



Basic Components



Installation

Due to the DIY nature of this kit, the specific way to install will depend on your specific configuration. But there are some basic things to help you get started.

Determine what container to put your IncuKit Mini into. It is important that the container is NOT too large for the amount of power

this kit can produce. The IncuKit Mini can produce up to 48 watts of power at a time, but it is recommended that it is NOT kept at this maximum for extended periods of time. If the heaters have to stay on at more than 65% power (more on this later) most of the time, your container may be too large or need more insulation added so it will retain more heat.

Determine where you will mount the IncuKit Mini. Is it normally best mounted to the top (ceiling) of your container to get the best air circulation and to keep the chicks from getting too close to the fan or heaters.

The IncuKit Mini will mount from the inside so make a hole just large enough to give you access to the display screen and control buttons from the outside of your container. Then make two holes for the mounting fasteners. These will press into the two free holes in the corners of the IncuKit Mini. Two fasteners hold the fan in place; the other two will mount the unit to your container. Then make a hole for the power cord. You may use the template shown later to make holes in the appropriate place.

After mounting the unit, put the power cord through the hole you created for it and plug it in. This will start the unit. Position the temperature sensor in a location that will be as close as you can to the level of your eggs.

To see an example of this IncuKit Mini mounted in a cooler, see this video:

<http://www.youtube.com/watch?v=lz4URtfD1g8>

Basic Menu Options

The default display will show you the current temperature and the number of days left in your hatch (default is 21 days). There may be an initial odor from the heaters as they "burn in".

The UP and DOWN buttons will scroll through the basic display menu. To change settings, see "Change Settings" section.

Change Settings

NOTE: After making any changes to the settings, be sure to exit the programming mode by scrolling down through the menu options until the screen reads "Exiting to Main". This will ensure any changes are saved.

From any menu display, hold the ENTER button for three seconds. This will put the unit into "Change Settings" mode.

Scroll to the option you want to change, press ENTER again and an asterisk (*) will appear in front of the text. Press the UP or DOWN button to select and change settings. Press ENTER again and the asterisk will disappear. The program will remember the setting and you can move to the next menu option.

Hatch Timer:

Keep track of the days remaining until hatch time. Set to the number of days required to hatch your eggs and it will count down to hatch day. If you lose power, it will remember the number of days left and start where it left off. The default is set at 21 days.

Turner:

Set how many turning cycles will happen each day. The default is 6 times per day. This is the recommended number of turns for most poultry eggs. Your options are 2, 4, or 6 times per day or off.

Set Temp:

The target temperature for your incubator. The default setting is 99.5F. You can adjust this higher or lower.

Turner Auto Off:

This setting will automatically turn off the turner 3 days prior to hatch day (often called "lock down"). Select "Y", the motor will automatically stop turning 3 days prior to Hatch Day. Select "N", the turner motor will continue to run.

Degrees (F or C):

Temperature reading can be changed to C. The default setting is F.

Temp Calibration:

Calibration is rarely needed, but to adjust the reading up, enter a positive value. For example, if the current temperature reading is 99.0°F and you enter a Temp Cal of 0.5° then the temperature reading will calibrate up to 99.5°F. Do the opposite to reduce the reading.

Ctrl Ofs (control offset):

This changes the temperature point where the heater will begin tapering down in power. The default is 98.5 F. This means that when the incubator temperature reaches 98.5 F, the heater power will begin tapering down. Depending on your configuration, you may find that your average incubator temperature is too far from the set temperature. This could be due to the size of your incubator or the insulation that is used in your incubator. If your incubator is not getting warm enough, moving this value up may help get the average closer to the set point. If your incubator is too warm, moving this value down will decrease the average temperature.

*Cutting Template
on Reverse Side*