

Digital Temperature Controller Instructions for the Lifeline Pet Supplies Puppy Kitten Pet Incubator ICU

The new multi-display incubator temperature controller is extremely reactive to temperature changes and is truly a state of the art controller. It uses a dual core processor for quicker reaction times and precise temperature control. We are going to give you an explanation of how to use your controller below. Please feel free to email us with any additional questions or concerns.

The controller is simple to use although there is a slight learning curve to understanding the operation and internal settings of the controller. The controller can be set to a broad range of temperatures and internal settings to control your new incubator temperature for a variety of uses. Let's get started!

Your unit comes preset to either Celsius or Fahrenheit depending upon your country and choice for settings at time of checkout. The unit is preset for 89.0 degrees Fahrenheit or 31.6 degrees Celsius.

Changing Temperature: To change the temperature of your controller press the set button once. Then use the up/down arrow keys to raise or lower to your desired temperature setting. Holding in the up/down arrow will raise/lower the temperature quicker. Once you have reached your desired temperature press set again to confirm this setting. The preset temperature can be checked at any time by pressing the set button.

Changing Internal Settings: To change the internal settings of your controller you must hold in the set button for 3 seconds until you see an 'hd' pop up on the display screen. To move through each internal setting use your up or down arrows. Press set at any internal setting to make changes to that individual parameter. The internal setting controls will time out at 3 seconds if you do not hit any buttons and you will need to reenter the internal settings. An explanation of each is included below:

Resetting the Controller to Factory Settings: To reset the unit to factory settings you must hold in the set button and up arrow at the same time until a CF comes up on the display screen. This will allow you to change the unit from Celsius to Fahrenheit by hitting set and then the up or down arrow. Once you have done this the unit will return to factory settings and all of the internal settings below including temperature will need to be reset.

Hd/Cd - This is the difference over or under that the unit will hold temperature within or the mode will engage. (Example: a setting of 0.1 Fahrenheit will hold the temperature within 0.1 degrees of the set point temperature). The unit should be set from our facility at 0.1 degrees Fahrenheit. Please note that our new controllers have both an 'HD' setting which is the (Heating Difference) and a 'CD' setting which is the (Cooling Difference). This allows you to independently control the heating and cooling settings. Those units that have this feature should be factory preset to HD 0.1 and the CD to 1.0

LS - This is the low setting or minimum you can lower the controller to. You can change this setting to prevent anyone from lowering the temperature of the controller. The low setting is currently set to: -58.0 Fahrenheit. This only prevents the low parameter setting of the controller from being lowered and does not change the desired set temperature. If you have small children or you are afraid the controller temperatures could be tampered with we recommend setting this to your lowest setting acceptable for your babies. (Example: 89 degrees F low setting for newborns)

HS - This is the high setting or maximum you can raise the controller to. You can change this setting to prevent anyone from raising the temperature of the controller. The high setting is currently set to: 230.0 Fahrenheit. This only prevents the high parameter setting of the controller from being raised and does not change the desired set temperature. If you have small children or you are afraid the controller temperatures could be tampered with we recommend setting this to your highest setting acceptable for your babies. (Example: 89 degrees Fahrenheit setting for newborns)

CA - This is the calibration setting of the controller. You can set this to a negative or positive number if you believe the sensor is off. This will allow you to make adjustments if the sensor is reading incorrectly. (Example: The unit is reading 86 degrees Fahrenheit and the temperature of a trusted thermometer inside is reading 88 degrees Fahrenheit internally. You would set the CA to +2.0 to allow for this adjustment of the sensor so it is reading true to the thermometer). The controllers are calibrated from the manufacturer and preset to 0.0 assuming the sensor is correct.

P7 - P7 is used as a delay function for a compressor or the "cooling fan" in this unit. This should be set to 2 on the heat lamp units and the measurement is configured in minutes. We generally recommend a 1 minute initial delay setting for newborn puppies. As puppies get older you can also use a setting of 0 (no delay) to increase air exchanges.

AH - This is the alarm high setting for the built-in audible alarm. This is the point at which the alarm will sound if the unit goes this much above the set point temperature. This is set to 2.0 in the heat lamp units. If the unit rises 2.0 degrees above the set point temperature it will alarm notifying you that you are outside of the set parameters. This can be lowered or raised to your desired alarm setting. Please Note that the unit will not alarm unless the unit has overcome the set parameter. Reset the alarm by hitting any button quickly. You can completely disable the alarm by setting it to 0.

AL - This is the alarm low setting for the built-in audible alarm. This is the point at which the alarm will sound if the unit goes this much below the set point temperature. This is set to 2.0 If the unit drops 2.0 degrees below the set point temperature it will alarm notifying you that you are outside of the set parameters. This can be lowered or raised to your desired alarm setting. Please Note that the unit will not alarm unless the unit has overcome the set parameter. Reset the alarm by hitting any button quickly. You can completely disable the alarm by setting it to 0.

Beeping Alarm – Please note the alarm will beep when the unit is first started or if the unit goes above or below the settings that are entered into the controller above which are AH – Alarm High and AL – Alarm Low. If the unit is alarming often you either need to broaden out the parameters or check your settings or room temperature. The two reasons the unit alarms is it is above or below the set temperature and outside the AH or AL parameters. Hitting any button will silence and reset the alarm sound.

Error Code- The EEE error code means you have a disconnected or damaged sensor. Please check sensor for proper connection or replace damaged sensor cords. We carry replacement sensors in our Incubator Accessories section.

Changing the controller setting from C to F or from F to C:

To change the controller from reading in Celsius or Fahrenheit you must hold in the set and up arrow keys. This will bring up 'CF' on the display. Hit set to go into setup and use the arrow keys to change from C for Celsius or F for Fahrenheit. Hit set to confirm your setting choice. **Please keep in mind once this is changed it will also reset all other parameters to the factory settings above and those settings will have to be reset for your incubator.**

Please Note: Changing the C to F setting internally **will reset the unit to its factory settings** and all internal settings above including temperature will need to be reset back to the recommended settings listed on the controller top and also listed above.

*All other settings within the C to F side are preset by us and should be left as they are currently set.

If you have any additional questions or concerns about setting your Multi-Display temperature controller please refer to the videos and information included in the product page where purchased. Thank you.