



This enclosure is equipped with a Programmable Digital Temperature Controller which allows the user to set the on/off temperature range for the heater.

Controller Display Examples

		Display in Operation Mode			
Set Button	→			←	Temperature in Enclosure
Celsius/Fahrenheit (C/F) Button	→			←	Set Temperature
		Display in Programming Mode			
While in Programming Mode the SET and C/F buttons are used to scroll Forward and Backwards	→			←	Program Number
	→			←	Program Value

Set Controller for Celsius or Fahrenheit

While in operation mode, press the **C/F Button** to toggle between C° (Celsius) or F° (Fahrenheit).

Note: By default when first turned on, the controller is in Celsius mode



Cooling / Heating Modes

The controller can be set for Cooling or Heating modes.

Note: For proper operation the controller must be set to Heating Mode (the default mode from the Altelix factory is Heating).

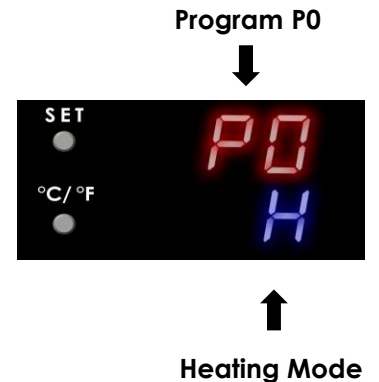
Step 1 - Press and hold the **SET** button for 5 seconds to enter into programming mode.

Step 2 - Using the **SET** or **C/F** buttons, scroll to program 0 (**P0**) as shown.

Step 3 - Simultaneously press the **SET** and **C/F** buttons to confirm P0. The display will then flash.

Step 4 - Using the **SET** or **C/F** buttons, change the Program Value to "H" as shown.

Step 5 - Simultaneously press the **SET** and **C/F** buttons to confirm.



Safety Note: This enclosure features an Over-Temperature thermostat. If the internal temperature reaches 122°F, power to the heater is automatically disengaged to prevent the risk of damage to the enclosure and its contents.

Programming the Heat On/Off Temperatures

This controller works by setting two parameters, a SET temperature and Return Difference temperature. The SET temperature is the temperature which you want to maintain in the enclosure. The Return Difference determines how high the temperature must rise in the enclosure before the heater turns off. For example; if the SET temperature is set for 45°F and the Return Difference temperature is set for 10°F, this means the heater will turn on when the internal temperature falls below 45°F. Once the internal temperature reaches to 55°F, the heater will turn off.

Setting the Return Difference and SET Temperatures

First program the Return Difference Temperature

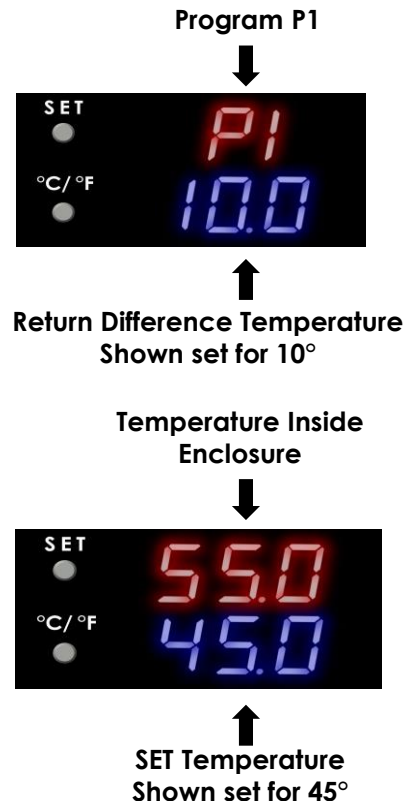
- Step 1 - Press and hold the **SET** button for 5 seconds to enter into programming mode.
- Step 2 - Using the **SET** or **C/F** buttons, scroll to program 1 (**P1**) as shown.
- Step 3 - Simultaneously press the **SET** and **C/F** buttons to confirm P1. The display will then flash.
- Step 4 - Using the **SET** or **C/F** buttons, change the temperature to the desired value.
- Step 5 - Simultaneously press the **SET** and **C/F** buttons to confirm.

Now program the SET temperature

- Step 6 - Press the SET button once. The temperature display will flash.
- Step 7 - Using the **SET** or **C/F** buttons, change the temperature to the desired value. Wait a few seconds to confirm (once the display stops flashing, the temperature is confirmed).

The two display examples would be how to set the controller so that that heater turns on at 45°F and turns off at 55°F.

Warning: Setting the Return Difference Temperature to "0" may cause the heater to cycle on and off rapidly and degrade the heater lifespan. The factory default is "2.0"



Additional Programming Parameters

Program #	Description	Setting Range	Default Setting
P0	Heating / Cooling	H/C	C
P1	Return Difference	0.1 to 30	2.0
P2	Set Upper Limit	110	110
P3	Set Lower Limit	-50	-50
P4	Temperature Correction	-15 to 15	0
P5	Delay Start	0 to 10	0
P6	High Temperature Alarm	-50 to 110	
P7	Celsius / Fahrenheit (also can be done by pressing the C/F button)	CS / FH	CS
P8	Factory Reset (also can be done by holding the SET and C/F buttons at the same time for an extended length of time)	ON-OFF	OFF

Altelix LLC USA: 866-660-WIFI (9434) International: +1 561-660-9434 sales@altelix.com www.altelix.com

Copyright (C) 2021 Altelix LLC. All rights reserved. Altelix and the Altelix logo are Trademarks and/or Registered Trademarks of Altelix LLC.

Specifications are subject to change without notice. See www.altelix.com for most current information