USER MENU --- ==CROWN ROYAL STOVE SETTINGS==

USER MENU OPERATIONS SETTINGS:

The control has user Menu settings that will determine how the control operates. The unit is shipped with factory default settings. The user must change any of the settings as required for the application. To reset all settings to factory defaults, press and hold all 3 buttons simultaneously
(MENU **+**, and **–** buttons) for approximately 5 seconds.
To view, Menu items, press and hold **MENU** for 5 seconds. The unit will display the first Menu item on the left side of the display. The right side of the display indicates the Menu item settings. To change the setting, momentarily press the
+ or **–** key.
A momentary press of the **MENU** key advances the display to the next Menu item, and continues, till the last menu item is displayed. Pressing the key one more time with the **last** menu item, (aL) displayed returns the control to the operating mode.

Each press of **MENU** results in forward movement to the next Menu item. If you need to change an item "passed", you must repeatedly press **MENU**, return to the operating mode, then press and hold **MENU** for 5 seconds to re-enter the Menu mode. Then repeatedly, momentarily press **MENU** until the desired Menu item is again displayed.
To store any changes made to any Menu items, the Menu must be exited by pressing **MENU** when the last item is displayed. If no buttons are pressed for ten minutes while in the menu, the control will return to operating mode and any changes that were made will be lost.
The following table shows the menu items, default settings and optional settings.
NOTE: The Heat/Cool switch (SW1) MUST be in the proper position BEFORE setting options.

Menu Item	Description	Factory Default	Options Press + or – to select	Comments
CF	Temperature Scale	==F==	C or F	Selects temperature display in Fahrenheit or Celsius
dFF	Differential	==5-15==	1 to 30	Selects the range between cut in and cut out
SP	Set Point Mode Cool Heat	Cl ==CO==	CO or Cl Cl or CO	Selects how the set point temperature will operate the load terminal. Cl indicates the setpoint temperature will be the Cut In temperature. CO indicates the temperature will be the Cut Out temperature. See Operation Section.
SOF	Sensor Operation Failure Cool Heat	1 ==0==	0 or 1 None	Cooling – Selects the operation of the Control Load relay in the event of a sensor failure in Cool Mode. 1 (default) will cause the load contacts of the relay to close and remain closed if the sensor either opens or shorts. 0 causes the load of the relay to open and remain open. Heating has no optional selection. Sensor failure in heating will result in the relay contacts opening.
dL	Display Light	Off ==On==	On or Off	Selects the LCD display light Off or On. With this selected Off, the display light will illuminate any time a keypad button is pressed to provide better viewing in low lighting conditions and go off after 10 seconds. If On is selected, the display light will be On continuously.
ASd	Anit Short-Cycle Delay	Cool 1 ==Heat== ==0==	0 to 12	Selects the minimum time (in minutes) that the load contacts will remain open after a cycle before closing again. This will prevent the compressor or other load from being damaged by cycling too soon. A blinking Snowflake or Flame icon indicates that the control has a demand to energize the load, but is waiting for the delay time to elapse. A setting of 0 indicates no time and the feature is disabled. SW1 must be set to the proper position before checking this setting.
LP	Lock Front Panel Keypad	==Off==	On or Off	When selected Off, the keypad can be used as normal. When selected On, prevents unauthorized access to the control settings by locking out all keys. To unlock the control when it is locked, press and hold the Menu key for 5 seconds.
OFS	Ambient Temperature Offset	==0==	-4, -3, -2, -1, 0, 1, 2, 3, 4	This control is calibrated at the factory, but the "sensed" temperature may read different because of mounting/installation, or other factors. This item allows the displayed temperature to be shifted the number of degrees set to compensate for this difference.
SF	Sensor Failure			This controller needs to be replaced