

# **LUX PRO PSP511Ca & PSP511LCa PROGRAMMABLE THERMOSTAT**

## **AIR FILTER MONITOR**

After a certain number of days of run time, the t-stat will automatically remind you to change your air filter. If CHANGE FILTER is reading on the LCD screen, the number of days remaining has reached zero. To reset this, turn dial to AIR FILTER and use the arrows to select the desired number of days you want until your next filter change. Then return dial to RUN.

## **HARDWARE SET-UP**

Locate the jumper marked JP1 FAN inside the t-stat on the circuit board. This comes preset as GAS but should be switched to ELEC. In addition, there are 4 dip switches with an ON setting. They are:

- 1 = Time Format. ON sets this to 24 hour (military time) while off is 12 hour.
- 2 = Temperature Scale. ON is C while off is F.
- 3 = Filter Timer. ON shows days remaining while off shows % of time remaining.
- 4 = Battery Monitor.

## **INSTALLATION**

Place the thermostat in a spot with no direct sunlight and not near any other heat source such as a stove, lamp, etc. Make sure it is in a spot with sufficient air flow but no conditioned air is blowing directly onto the thermostat..

- The red wire connects to RH or RC (with a jumper between the two).
- The green wire connects to G.
- The white wire connects to W.
- The black wire connects to Y (for Yellow), not B (which is unused).
- If your control box and wiring has a 5th low voltage wire (which our newer boxes and thermostat wires do have), you can connect this to C. This will use the control box to power your LCD screen, eliminating the need for AA batteries.
- Any other wires (if present) are unneeded for this style of thermostat.

## **KEYLOCK**

You can lock and unlock your keys by pressing: NEXT, NEXT, NEXT, HOLD  
A lock symbol will appear on the LCD screen if the lock is turned on.

## **PRESET PROGRAMMING CYCLES**

	Heat Mode	Cool Mode	Heat Mode	Cool Mode	
Morning/6am	70F/21C	78F/26C	Evening/6pm	70F/21C	78F/26C
Day /8am	62F/17C	85F/29C	Night /10pm	62F/17C	82F/28C

For example, in the heat mode your system will have a setting of 70F at 6am & 6pm, then 62F at 8am & 10pm.

## **PROGRAMMING CHANGE**

Note: You cannot change programming for a single specific day, only all weekdays or both weekend days.

To change a program setting, set the unit to the desired mode (Heat or Cool).

Rotate dial to WEEKEND PROGRAM or WEEKDAY PROGRAM.

The first period is MORN. Use arrows to set a time and then hit NEXT.

Now use arrows to set temperature, then hit NEXT.

Continue thru DAY, EVE and NITE. Keep pressing NEXT to go to the next step to adjust or review settings.

Turn dial to RUN when done.

### **PROGRAM OVERRIDE - TEMPORARY (UNTIL NEXT TIME CYCLE)**

Use arrows to adjust temperature to a different desired setting..

OVERRIDE will appear on LCD screen.

Setting will revert to programmed setting at the next preset cycle time (6am/pm, 8am or 10pm).

### **PROGRAM OVERRIDE - PERMANENT (UNTIL HOLD TURNED OFF)**

Push HOLD. Set desired temperature.

HOLD will appear on the LCD display.

Unit will hold this setting indefinitely until the HOLD button is again pushed.

### **RESET**

There are 2 reset buttons.

The pin-hole reset (above NEXT button) sets all programs to factory default.

The white reset button (located on the circuit board) is a hardware reset. This button resets the clock and makes the unit read any dip-switch changes.

### **SET DAY/TIME**

Rotate dial to SET DAY/TIME position.

SET should appear on the LCD screen.

While day of the week is flashing, use arrows until it reads the correct day.

Use the NEXT button to move to time settings.

While time is flashing, use the UP button until it reads the correct time.

NOTE: Thermostat will not operate if time is blinking. It must be set to something..

### **SWING SETTING**

The swing is the variation between a temperature set point and when the unit kicks on.

If a thermostat is set to 70, a swing of 1 will cause the unit to kick on at 71 and run till it reaches 70.

The default swing setting is 1 degree.

To change your swing setting, turn the dial to RUN and then hold down NEXT and then push HOLD, then release both buttons.

SWING and SET should appear along with you current swing setting number.

You can use the arrow keys to adjust this from 1 degrees to 9 degrees.

Press NEXT to accept the current setting and return to normal RUN mode.

### **TIME DELAY**

Note this thermostat has a 5 minute internal time delay to prevent short cycling or rapid cycling the unit.

### **TECHNICAL ASSISTANCE**

You can contact LUX PRO at 856-234-8803 M-F 8am to 4pm EST. You can also email them at

<http://www.luxproproducts.com>