Operation Manual-T6510 Thermostat

The T6510 thermostat is a control and display unit that allows total management and visual monitoring of all the functions of the HVAC unit. It also gives you a greater measure of control over how your HVAC unit will operate in varying conditions.

The Display

The LCD display shows you all the settings you have selected for the operation of your HVAC unit.

In the center of the display, the large number in the center is the desired room temperature. (If you don't see this number, push the On/Off button in the lower right corner of the thermostat once). On the right side of the display, you see the current room temperature. On the left side of the screen, there are three symbols. The top symbol indicates the mode that has been selected. (More about this in the next section). Underneath the mode symbol is the fan icon. When it is spinning, your HVAC fan is on.

Along the bottom are three more symbols. They indicate what the pushbuttons directly beneath them do. The °C/°F button toggles the display between Centigrade and Fahrenheit temperature measurement. The backlight switch keeps the display backlight on continuously. (When you use any control, the backlight will glow for a moment, and then automatically turns off in a few seconds). The Room Temp button toggles the room temperature display on and off.

The Controls

The large button in the lower right hand corner of the display is the On/Off control. It selects the desired mode of operation. The current mode is displayed with the icon in the upper left hand corner of the display. The "Off" mode turns both cooling and heating off. Next is the "Auto" mode. The icon pictures both a cooling symbol (a snowflake) and a heat symbol (a flame). Depending on the temperature you've selected, either the AC or the Heat will be turned on, until the room has reached the selected temperature. When the air conditioner is running, the snowflake will change to a "falling snowflake". When the heat is running, the fire will flicker. The third mode is the "Cool" mode. It activates cooling. When the air conditioner is running, the snowflake will change to a "falling snowflake". The last mode is the "Heat" mode, which turns on the heating unit. When the heat is running, the fire will flicker.

To the left of the On/Off switch is the fan switch. It selects between fan "On", and fan "Auto". In "Auto" position, the fan turns on when cooling or heating is required. In the "On" position, the fan is on continuously. This setting can be used to circulate air in the room, even when heating or cooling is not taking place.

In the upper right hand corner of the unit are two large switches used to set the desired temperature. Push the top switch to raise the temperature, and the lower switch to decrease it.

Installation Considerations

When installing the T6510 a Ferrite Bead (Fair-Rite 0431167281) or equivalent must be used.

To install the bead, thread the cable from the AC unit through the bead, loop the cable around the bead once and thread it back through. Ensure that the bead is as close to the thermostat as possible.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Changes or modifications not expressly approved by Smart Systems International could void the user's authority to operate the equipment.

This product has been tested and complies with the specifications for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which is found by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna
Increase the separation between the equipment or devices
Connect the equipment to an outlet other than the receiver's
Consult a dealer or an experienced radio/TV technician for assistance

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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