Humidity Control Panel and Ventilation Timer Operation Instructions

Humidity Control Adjustment

Set the humidity control to the desired humidity level for the home. The dehumidifier will run continuously until the relative humidity is reduced to the humidity control dial setting. Setting the humidity control to lower relative humidity levels will **NOT** increase the unit's dehumidification rate; the unit will simply run longer to reduce the area's relative humidity to the setting. The unit (and refrigerant based dehumidifiers in general) will reduce a warm space's relative humidity to a lower level than that of a cool space. It is therefore pointless to set the humidity control to excessively low levels in cool rooms; doing so will result in long periods of unproductive dehumidifier run time.

Fan/Filter Switch

Turning ON the fan/filter switch will cause the unit's internal fan to run continuously. This function is desirable if the unit is used for air circulation and filtration. When the switch is ON, air will be constantly filtered through the unit and circulated throughout the house. When the switch is OFF, the fan will operate only when the humidity control calls for dehumidification or when the ventilation timer calls for ventilation. The fan draws about 125 Watts of power.
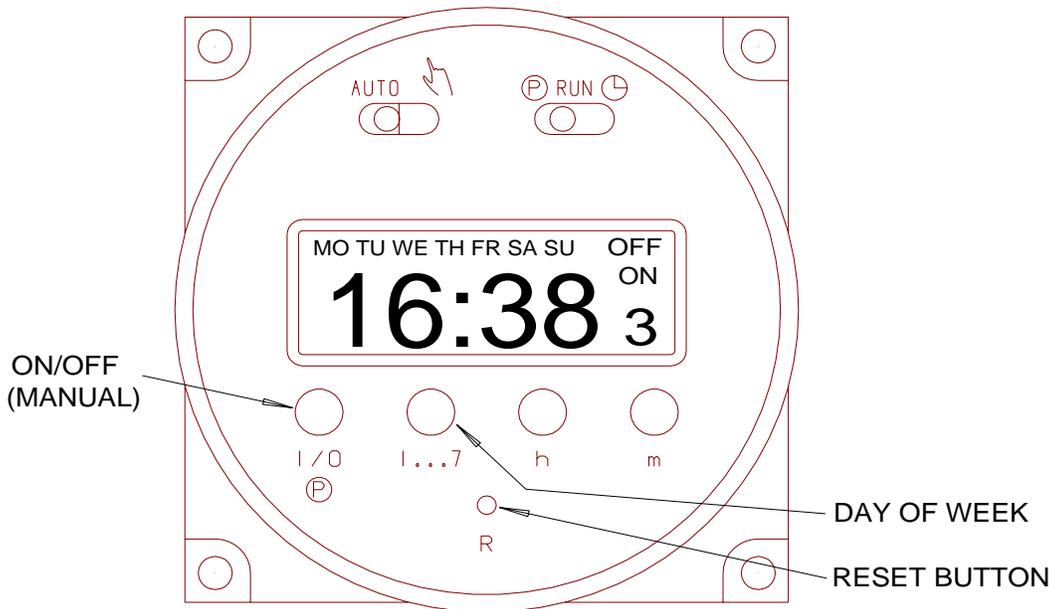
Ventilation Timer

The ventilation timer controls the fan and the motorized fresh air damper. When the ventilation timer is activated, the unit will circulate the indoor air, and bring in fresh air from outside. The ventilation timer should be set for the desired ventilation of the residence. The home should be ventilated with fresh air whenever it is occupied.

The ventilation timer is an electronic timer that displays the current time. This timer has a battery backup, so it will not require resetting after a power outage. The one-minute time increments of the ventilation timer allow you to program the ventilation of your home to fit your schedule.

The ventilation timer has six programs with each program having one "on" and one "off" event. A program allows the user to turn the ventilation on at a certain day and time, then it allows them to turn the ventilation off at a certain day and time. Each of these programs can be repeated daily or weekly or during a specified block of days. All six of the programs operate independently of each other.

If the timer fails to operate or operates erratically, check that the control panel receives 24Vac from the unit. If 24Vac is present at the control panel, reset the timer by pressing the reset button at the bottom center of the timer face. The reset button is the small recessed button with an **R** beneath it located below the **1…7** and **h** buttons. Press the reset button in until the display disappears. Release the reset button. The display will reappear as 00:00. Resetting the timer will clear the time and all program settings. After resetting the timer follow the instructions below to set the correct time and ventilation programs.

The following instructions explain how to set the ventilation timer. First, set the correct time on the timer by sliding the switch in the upper right hand corner of the timer to the clock symbol (⊕ on

the right) and pressing the **1…7** (DAY), **h** (HOUR), and **m** (MINUTE) buttons. Remember that this timer operates on a 24-hour (military time) clock.

Next, set the ventilation time schedule. Slide the switch in the upper right hand corner to the program symbol ("p" inside a circle). "ON" will appear to the right of the time and the number "1" will appear in the lower right hand corner of the display. The "1" and "ON" signify the turn on time for the first program. Press the **1…7** button to choose the days of the week for this program. You can choose Mon.-Sun, Mon.-Fri., Sat-Sun, or any single day of the week. The days chosen are shown along the top of the display on the ventilation timer. Next press the **h** button to set the hour for the start of the ventilation period. Remember that this timer operates on a 24-hour clock. Then press the **m** button to set the minutes past the hour to start the ventilation.

Now with the ventilation start time set, press the **I/O** button. The word "OFF" should appear to the right of the time and the number "1" should remain in the lower right hand corner of the display. The "1" and "OFF" signify the turn off time for the first program. Press the **1…7** button to choose the days of the week for this program. You can choose Mon.-Sun, Mon.-Fri., Sat-Sun, or any single day of the week. Set the turn off time using the **1…7**, **h**, and **m** buttons in the same way as described above and continue on to the second through sixth programs. When setting the ventilation programs, you can return to the current time display by sliding the switch in the upper right corner of the timer to RUN. The slide switch in the upper right must be set to **RUN** and the switch in the upper left must be set to **AUTO** for the timer to operate with the scheduled programs.

The slide switch in the upper left of the timer is used to choose between automatic and manual operation of the timer relay. When the slide switch in the upper left of the timer is set to AUTO mode, the unit will ventilate when the scheduled programs call for ventilation. When the slide switch in the upper left of the timer is set to manual (hand symbol on the right), the operation of the timer is controlled by the **I/O** button only. Pressing the **I/O** button will switch the ventilation timer between ON (detent) and OFF (detent). As you press the **I/O** button, "ON" or "OFF" will be displayed to the right of the time. The "ON" or "OFF" to the right of the time will indicate if the ventilation timer is on or off. The **I/O** button will manually override scheduled programs if the timer is in AUTO mode.