FREEDOM

★ Advantage

Model FP700
Owner's Instructions

The benefits of owning a Freedom *Advantage* Thermostat

● Large easy to read backlit display
● Selectable programming modes: 5-2, 5-1-1 or 7 day
● Manufactured by the makers of ACCUSTAT® controls
● ServiceWatch® for filter, cooling, heating
● Made in the USA
● Permanent memory retention
● Pre-programmed energy saving scheduled events
● Temporary manual override of scheduled events
● Battery backup
● Advanced Performance Technology (AdPt)
● Outdoor sensor capability
● Daylight savings function
● Programmable password protection
● 5 year warranty

INDEX

Current Time
Room Temperature
Remote Temperature
(alternating)

Current
Day

Outside
Temperature
Indicator

Current
Event
Indicator

THU   OUT   SERVICE

ServiceWatch®
Indicators

3:45 PM

HEATING

Replace
Battery
Warning

WAKE

REPLACE

72°F   HEAT

MANUAL

Indicates
Event Schedule
Overridden

FAN
AUTO   AUX

TEMP

Mode
Status

Fan
Setting

Indicates
Auxiliary Heat
Active

Current
Setpoint

Indicates
Temporary
Setpoint

Increases Temperature

Decreases Temperature

Selects Manual or Scheduled Mode, Sets Time

Selects Fan Mode Constant On or Auto

Selects Run Mode Heat, Cool or Off

TUE

76.3°F

RETURN

❄ 75°F   COOL

SCHED   FAN

ON

MENU   FAN   MODE

4

Advanced Performance Technology (AdPt) allows the HVAC system to gradually change the temperature from the energy saving setback temperature to the comfort temperature. AdPt is only available in the event schedule mode. Just program the desired time and temperature. The thermostat will activate either heating or cooling at the appropriate time to reach the desired temperature by the correct time. AdPt is active when the current event indicator (WAKE, LEAVE, RETURN, SLEEP) is flashing.

ServiceWatch® monitors the run time hours. It is a program designed to remind the homeowner to schedule service for the HVAC equipment. The maintenance period for filter replacement and heating or cooling service is programmable based on the respective system run times. The control will monitor the run times, and when the programmed settings are reached the display will show **SERVICE** and either **FILTER, COOLING** or **HEATING.**

THIS IS NOT AN EMERGENCY, just a reminder.

THU

74.5°F   SERVICE   HEATING

LEAVE   COOL

74°F

SCHED   FAN   AUTO
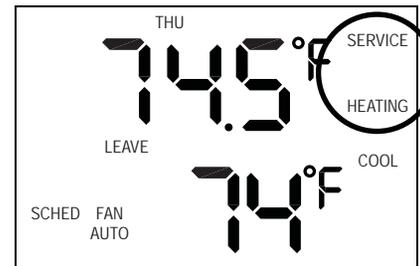
Example: When the display shows SERVICE and HEATING it is time to schedule an appointment to have the heating system maintained.
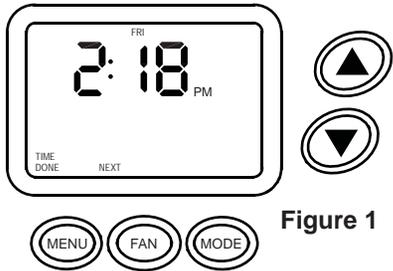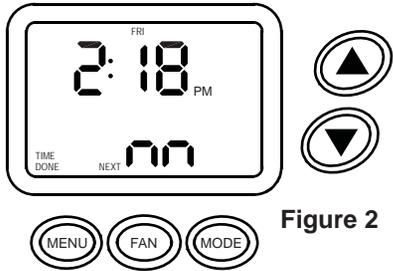
THIS IS NOT AN EMERGENCY, just a reminder.

5

Setting Time and Date

1. **PRESS** the MENU button.
   Display will appear as shown (Figure 1).
2. **PRESS** the FAN button.
   hr will appear and the hour numeral will flash.
3. **PRESS** the up or down arrow button to set the current hour.
4. **PRESS** the FAN button.
   m will appear and the minute numerals will flash. Display will appear as shown (Figure 2).
5. **PRESS** the up or down arrow button to set the current minutes.
6. **PRESS** the FAN button.
   Yr and the year will appear.
7. **PRESS** the up or down arrow button to set the current year.
8. **PRESS** the FAN button.
   m and the month will appear.
9. **PRESS** the up or down arrow button to set the current month.
10. **PRESS** the FAN button.
    dy and the day will appear.
11. **PRESS** the up or down arrow button to set the current day.
12. **PRESS** the menu button to save and exit.

Figure 1

Figure 2
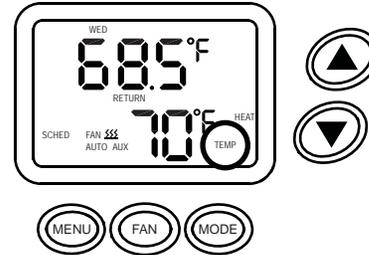
TEMPORARILY OVERRIDING THE CURRENT SCHEDULED EVENT:
PRESS the up or down arrow button to change the setpoint. TEMP will appear on the display. The new setpoint will operate for four hours. At the end of four hours, the setpoint will return to the scheduled one.

Programming the Events Schedule

Programming the events schedule has 3 different formats:

5-2: Monday thru Friday are the same schedule
    Saturday and Sunday are the same schedule

5-1-1: Monday thru Friday are the same schedule
    Saturday has a different schedule
    Sunday has a different schedule

7 day: All seven days can have a different schedule, default format

The scheduling format is set up by the contractor in the Advanced Settings (PSEt). When the FAN and MODE buttons are pressed, PSCH will appear on the display with 7d, 51 or 52 to indicate the selected schedule format. To reset the scheduling format see page 17.

NOTE: Changing the scheduling format will automatically restore the factory default schedule. Any programmed settings of the schedule will be lost.

Default Preprogrammed Events Schedule

Monday thru Friday

Event	Event time	Heat setpoint	Cool setpoint
Wake	6:00 AM	70°F	75°F
Leave	8:00 AM	62°F	83°F
Return	6:00 PM	70°F	75°F
Sleep	10:00 PM	62°F	78°F

Saturday and Sunday

Event	Event time	Heat setpoint	Cool setpoint
Wake	8:00 AM	70°F	75°F
Leave	10:00 AM	62°F	83°F
Return	6:00 PM	70°F	75°F
Sleep	11:00 PM	62°F	78°F

SPECIAL NOTE:
When changing the preprogrammed events schedule, event times are not permitted to overlap each other. PRESS the FAN button two times to adjust the next event time. PRESS the MENU button to return to the previous event time.
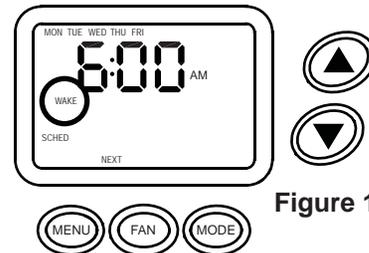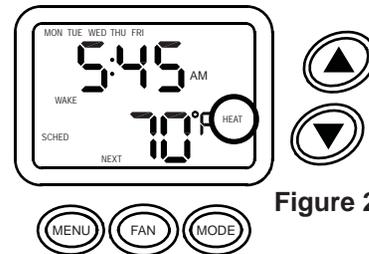
8

Figure 1

Figure 2

Programming 5-2 Event Schedule

1. **PRESS** and hold the FAN and MODE buttons until PSCH and 52 appears on the display.

2. **PRESS** the FAN button to continue. Wake is the current programmable event. The display will appear as shown (Figure 1).

3. **PRESS** the up or down arrow button to set the desired (WAKE) time, in 15 minute increments.

4. **PRESS** the FAN button to continue. Setpoint temperature and HEAT or COOL will appear on the display (Figure 2).

5. **PRESS** the up or down arrow button to set the desired heating or cooling temperature.

6. **PRESS** the MODE button to change from heat to cool or vice versa.

7. **PRESS** the up or down arrow button to set the desired heating or cooling temperature.

9

8. **PRESS** the FAN button to continue.
LEAVE will appear on the display.

9. **REPEAT** steps 3 to 8 to set the LEAVE,
RETURN and SLEEP event schedule.
The MENU button can be pressed at any time
to backtrack.

10. **REPEAT** steps 3 to 9 to set the event schedule
for Saturday and Sunday.

11. **END** will appear on the display when program-
ming is completed (Figure 3).

12. **PRESS** the MENU button to save and exit or
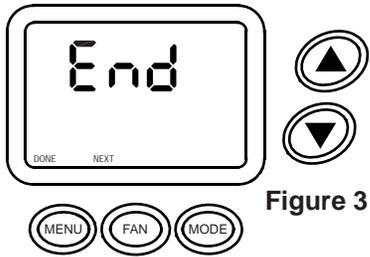FAN to check entries.

Figure 3

TO CANCEL AN EVENT: An event can be canceled only if the word cancel
appears on the display when the time is to be programmed. Simply press the
MODE button. Monday thru Friday only LEAVE and RETURN can be canceled.
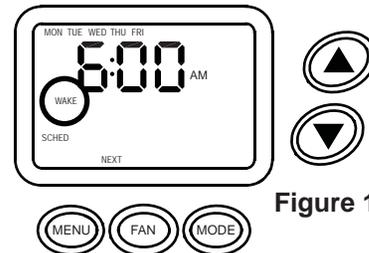Any event can be canceled on Saturday and Sunday.

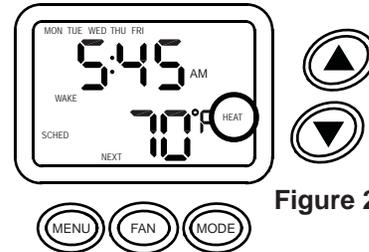## Programming 5-1-1 Event Schedule

1. **PRESS** and hold the FAN and MODE buttons
until PSCH and 51 appears on the display.

2. **PRESS** the FAN button to continue.
Wake is the current programmable event.
The display will appear as shown (Figure 1).

Figure 1

3. **PRESS** the up or down arrow button to set the
desired (WAKE) time, in 15 minute increments.

4. **PRESS** the FAN button to continue.
Setpoint temperature and HEAT or COOL will
appear on the display (Figure 2).

5. **PRESS** the up or down arrow button to set the
desired heating or cooling temperature.

Figure 2

6. **PRESS** the MODE button to change from heat
to cool or vice versa.

7. **PRESS** the up or down arrow button to set the
desired heating or cooling temperature.

8. **PRESS** the FAN button to continue.
   LEAVE will appear on the display.

9. **REPEAT** steps 3 to 8 to set the LEAVE,
   RETURN and SLEEP event schedule.
   The MENU button can be pressed at any time
   to backtrack.

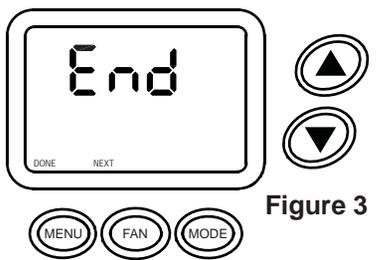10. **REPEAT** steps 3 to 9 to set the event schedule
    for Saturday.

11. **REPEAT** steps 3 to 9 to set the event schedule
    for Sunday.

12. **END** will appear on the display when program-
    ming is completed (Figure 3).

Figure 3

13. **PRESS** the MENU button to save and exit or
    FAN to check entries.

TO CANCEL AN EVENT: An event can be canceled only if the word cancel
appears on the display when the time is to be programmed. Simply press the
MODE button. Monday thru Friday only LEAVE and RETURN can be canceled.
Any event can be canceled on Saturday and Sunday.

12

Figure 1

Figure 2

Programming 7 Day Event Schedule

1. **PRESS** and hold the FAN and MODE buttons
   until PSCH and 7d appears on the display.

2. **PRESS** the FAN button to continue.
   Wake is the current programmable event.
   The display will appear as shown (Figure 1).

3. **PRESS** the up or down arrow button to set the
   desired (WAKE) time, in 15 minute increments.

4. **PRESS** the FAN button to continue.
   Setpoint temperature and HEAT or COOL will
   appear on the display (Figure 2).

5. **PRESS** the up or down arrow button to set the
   desired heating or cooling temperature.

6. **PRESS** the MODE button to change from heat
   to cool or vice versa.

7. **PRESS** the up or down arrow button to set the
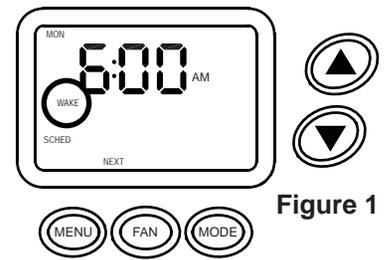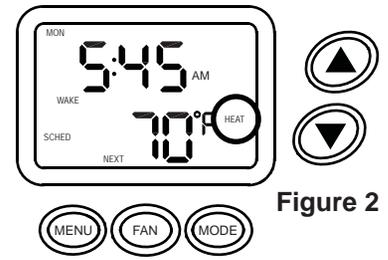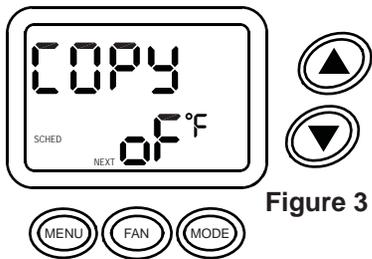   desired heating or cooling temperature.

13

8. PRESS the FAN button to continue.
LEAVE will appear on the display.

9. REPEAT steps 3 to 8 to set the LEAVE,
RETURN and SLEEP event schedule.
The MENU button can be pressed at any time
to backtrack.

10. When the SLEEP event schedule has been
completed COPy oFF will appear on the display
(Figure 3).

TO COPY THE MONDAY EVENT SCHEDULE
SEE INSTRUCTION 14 ON THE NEXT PAGE

OR

11. To individually set the event schedule for each
day Tuesday thru Sunday,
PRESS the FAN button and
REPEAT steps 3 to 9 for each day.
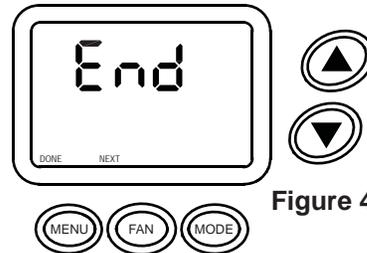The MENU button can be pressed at any time
to backtrack.

COPy
oF°F
SCHED
NEXT

MENU FAN MODE

Figure 3

14

12. END will appear on the display when program-
ming is completed (Figure 4).

13. PRESS the MENU button to save and exit or
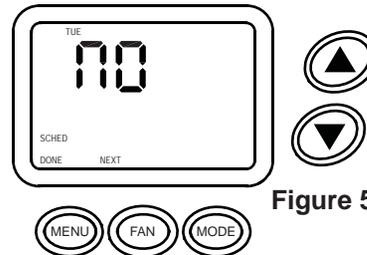FAN to check entries.

AFTER STEP 10

14. To copy the Monday event schedule,
PRESS the MODE button. COPy on will appear
on the display.

15. PRESS the FAN button to continue.
TUE no will appear on the display (Figure 5).

16. To copy Monday's schedule to Tuesday,
PRESS the up arrow button.
yES will appear on the display.

17. PRESS the FAN button to enter the schedule
and to continue to Wednesday.

End
DONE NEXT

MENU FAN MODE

Figure 4

TUE
no
SCHED
DONE NEXT

MENU FAN MODE

Figure 5

15

18. Continue by selecting either no (no copy) or yES (to copy) and **PRESSING** the FAN button for the remainder of the week.

19. After selecting no (no copy) or yES (to copy) on Sunday, **PRESS** the MENU button.

20. The first non-copied day will appear. **REPEAT** steps 3 to 9 to set the desired schedules for the non-copied days.

21. END will appear on the display when programming is completed (Figure 6).

DONE   NEXT

MENU   FAN   MODE

Figure 6

22. PRESS the MENU button to save and exit or FAN to check entries.

TO CANCEL AN EVENT: An event can be canceled only if the word cancel appears on the display when the time is to be programmed. Simply press the MODE button. Monday thru Friday only LEAVE and RETURN can be canceled. Any event can be canceled on Saturday and Sunday.
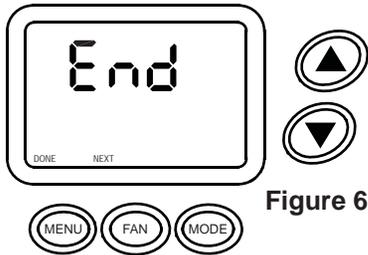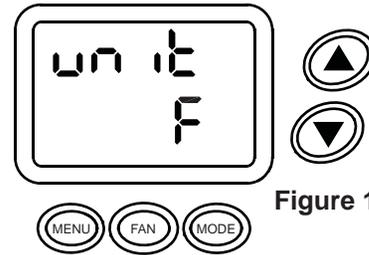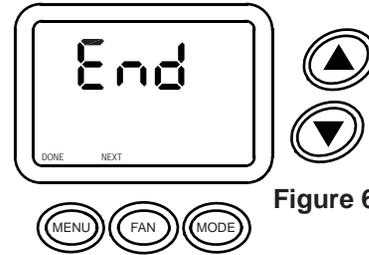
16

## Resetting the Scheduling Format

MENU   FAN   MODE

Figure 1

1. PRESS and hold the MENU and FAN buttons until PSEt appears on the display.

2. PRESS the FAN button to continue. The display will appear as shown (Figure 1).

3. CONTINUE to PRESS the FAN button until 7d, 511d or 52d and PF appear on the display.

4. PRESS the up or down arrow button to set the desired scheduling format.

DONE   NEXT

MENU   FAN   MODE

Figure 6

5. PRESS the FAN button to continue to End (Figure 2).

6. PRESS the MENU button to save and exit.

17

Battery Replacement
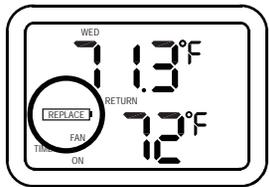
The batteries need to be replaced immediately when the **REPLACE** battery icon appears on the display.

The batteries should be replaced once a year, even if the replace battery icon does not appear. The programmed settings are saved even with the batteries removed. Only the time has to be reset.
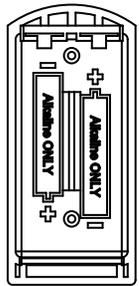
To remove batteries squeeze slotted tabs on top and bottom of thermostat.
Pull cover straight off of base.
To replace cover line up the sides of the cover and the base, and gently press cover onto base.

Make sure batteries are placed properly into battery cradle.

Slotted Tab

18
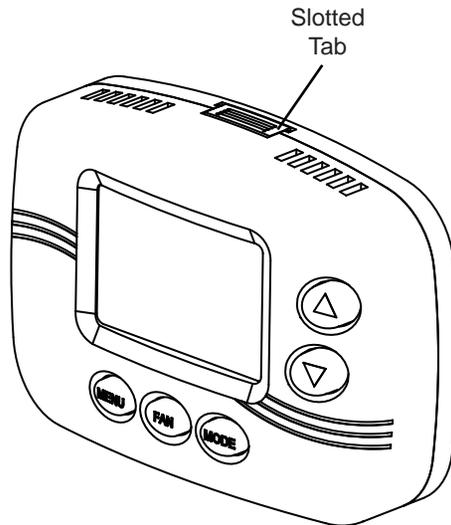
IMPORTANT NOTES - PLEASE READ

1. If a remote sensor is installed, the display will alternate between time and room temperature, followed by time, room temperature and remote temperature. Remote temperature will be indicated by the OUT symbol.
NOTE: If the remote sensor is used to average or measure room temperature the OUT symbol will not appear. NS2 would indicate a fault with the sensor wiring.

2. The word **TIME** blinks when the time needs to be reset. The reset may be due to a power interruption or battery change.

3. To permanently override the events schedule while on vacation, etc. press the MENU button until MANUAL appears on the display. Press the up or down arrow button to set the desired temperature. To return to the events schedule, press the MENU button until SCHED appears on the display.

4. When the scheduled event (WAKE, LEAVE, RETURN or SLEEP) is flashing the AdPt is active.

5. Active run modes are displayed as follows:

AUtO   Auto changeover mode is active   COOL   Cooling mode is active

HEAt   Heating mode is active   OFF   Thermostat is in off mode

19

6. If the thermostat is in the OFF mode and the temperature drops below 38°F the freeze protection feature automatically activates the heating system. ICE will appear on the display.

7. The thermostat can be in the OFF mode but the fan can be constantly active. OFF and FAN ON will appear on the display.

8. If the auto changeover option (Auto) has been selected, the display will alternate between Auto, current time and room temperature. Setpoint will remain blank when room temperature is between heat and cool setpoints; the system is idle. When either heating or cooling become active the setpoint will be visible.

9. To adjust the setpoint when AUTO mode is active, press the up or down arrow button. The last operating mode (heat or cool) will be recalled or the setpoint closest to room temperature and AUTO will appear. To adjust either heating or cooling setpoints, press the MODE button. Press the up or down arrow button in COOL or HEAT to adjust the setpoint up or down. The heat and cool settings will automatically adjust to a four degree separation. This four degree separation is fixed and cannot be changed. When AUTO no longer appears on the display, pressing the mode button will deactivate AUTO mode.

10. To program the event schedule, press the FAN and MODE buttons. PSCH will appear on the display. If the FAN and MENU buttons are accidentally pressed PSEt will appear on the display. To cancel the PSEt simply press the MODE button.

Cleaning:
This thermostat has a flame retardant ABS enclosure which is easily cleaned with a dry cloth or vacuum brush. Occasional soiling may be cleaned with a soft cloth lightly dampened with water and/or mild cleaning solution. IN NO CASE should this device be directly sprayed with or exposed to free flowing liquids, including water, which could penetrate its interior.

INSTALLATION NOTES

CONTRACTOR: _____

PHONE NUMBER: _____

DATE OF INSTALLATION: _____

WHERE PURCHASED: _____

DATE OF PURCHASE: _____

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Rev A
11-14-07