

Custom Programming Instructions

For 1F95-80 (A/C) or 1F94-80 (H/P) Thermostats

When Used With Bard Wall-Mounts With Energy Recovery Ventilators

General

1. Energy Recovery Ventilators (ERV) should operate continuously during occupied periods to provide required ventilation. In addition, the indoor fan must also run continuously on the same schedule as the ERV.
2. The ERV should not operate during unoccupied periods to maximize energy conservation and to prevent humidity levels from increasing within the building.
3. The standard factory pre-programming has the same time schedule for occupied (O) and unoccupied (U) periods for all seven days of the week, and as such is not desirable for classroom type applications that operate on a five day schedule. Custom programming is thus desired.
4. Only one occupied (O) and unoccupied (U) temperature can be set for heating mode, and also one O and U temperature can be set for cooling. These settings are used for all seven days. Again, the factory pre-set temperatures may need changed to the desired control points.
5. The following table shows factory pre-set program as a reference:

FACTORY PREPROGRAMMING				
Heating Program for ALL days of the Week:				
PERIOD	TIME	TEMP	FAN	DAMPER
Occupied (O)	8:00 AM	70°	PRG	Open
Unoccupied (U)	5:00 PM	64°	AUTO	Closed
Cooling Program for ALL days of the Week:				
PERIOD	TIME	TEMP	FAN	DAMPER
Occupied (O)	8:00 AM	78°	PRG	Open
Unoccupied (U)	5:00 PM	82°	AUTO	Closed

Setting the Clock

1. Press SET
CLOCK once to display minutes, use TIME
FWD or TIME
BACK to set minutes.
2. Press SET
CLOCK again to display hours, use TIME
FWD or TIME
BACK to reach correct hour and AM/PM designation.
3. Press SET
CLOCK again to display day, use TIME
FWD or TIME
BACK to reach current day of the week.
4. Press RUN
PRGM and correct time should alternate with temperature in center of display.

**See Reverse Side For Programming Instructions
on
Temperatures and Time Schedules**

Programming Strategy for Classroom and Office Applications

1. Determine occupied O _____ and unoccupied U _____ heating temperatures.
2. Determine occupied O _____ and unoccupied U _____ cooling temperatures.
NOTE: The occupied heating temperature must be lower than the occupied cooling temperature by at least one degree.
3. Determine occupied O start time _____ A and unoccupied U start time _____ P for Monday-Friday.

Setting the Occupied and Unoccupied Temperatures

4. Press **SYSTEM SWITCH** until HEAT is displayed at left of display.
5. Press **VIEW TEMP** and press red **▲** or blue **▼** buttons until the O temperature 1. above is displayed. Press **VIEW TEMP** again so U displays, and press **▲** or **▼** until the U temperature from 1. above is displayed.
6. Press **RUN PRGM**, then press **SYSTEM SWITCH** until COOL is displayed.
7. Press **VIEW TEMP** and press red **▲** or blue **▼** buttons until the O temperature from 2. above is displayed. Press **VIEW TEMP** again so U displays, and press **▲** or **▼** until the U temperature from 2. above is displayed. Press **RUN PRGM**.

Setting the Time Schedule

8. Press **VIEW PRGM**. The display will come up MO for Monday, O for occupied. Press Fan Switch to display PRG FAN under the MO. This is required so that fan will run continuously during occupied period, and ERV will also operate continuously during occupied period. Fan will cycle on demand for heat or cool during unoccupied periods, and ERV will not operate.
9. Using **TIME FWD** or **TIME BACK** adjust the time in center of display to the O start time from 3. above. Press **VIEW PRGM** again and the U for unoccupied will display. Adjust time to the U start time from 3. above.
10. Press **RUN PRGM**, then **VIEW PRGM**, then **HOLD COPY**, then **ADV DAY**. Display should read **TU C 1**. This means the TU Tuesday program will be copied from 1 = Day 1 Monday. Press **HOLD COPY** again to complete the copy.
11. Repeat **HOLD COPY**, **ADV DAY** and **HOLD COPY** to copy 2 = TU to WE Wednesday. Repeat two more sequences until FR is copied from 4 = TH.
12. Press **ADV DAY** and SA Saturday should display. O occupied should also display. Press **TIME BACK** to set the time display to 4:00 A. Press **VIEW PRGM** to change to U unoccupied, and press **TIME FWD** to 4:15 A. Press **HOLD COPY**.
NOTE: The actual time selected for this step is not critical, but the time increment between O and U should be :15 minutes.
13. Press **ADV DAY** and display should read **SU C 6** which means SU Sunday will be copied from 6 = Day 6 Saturday. Press **HOLD COPY** to complete the copy.

Verifying the Program

14. Programming can be verified by setting System Switch to Heat and Cool, pressing **VIEW PRGM** to observe O occupied and U unoccupied time and temperature schedules. Use **ADV DAY** to check each day.
15. If any changes are required, go back to the appropriate steps above and make the changes.
16. Programming is complete. Press **RUN PRGM** to activate, and set System Switch to desired setting of Heat, Cool or Auto.