

Mode of Operation

The Daikin Programmable Thermostat is an auto changeover, two stage heat, two stage cool thermostat.

The thermostat activates a heating appliance when the room temperature is below the set heat temperature (by the differential temperature). The red status indicator may come on with first or second stage, depending on configuration. When it drops another two degrees, the second stage (auxiliary) heat is activated. The heating is staged off when the room temperature increases.

When the room temperature is greater than the set cool temperature (by the differential temperature), the first stage cooling device is activated. The green status indicator may come on with first or second stage, depending on configuration. If the room temperature increases two more degrees, the second stage cooling device will be activated. The cooling is staged off when the room temperature decreases.

The thermostat has the following operating modes: OFF, Heat, Cool, Cool and Heat, and Program mode. In OFF mode, the thermostat will not turn on heating or cooling devices. The indoor fan can be turned on in all operating modes using the fan switch. In the Heat mode, the thermostat controls the heating system. In the Cool mode, the thermostat controls the cooling system. In the Cool and Heat mode, the thermostat controls both the cooling and heating systems. In Program mode, the thermostat will automatically be controlled by the set program. Program mode can function with Heat mode, Cool mode, Cool and Heat mode or OFF mode (for Programmable fan option only). The clock display alternates with the set temperature display for Cool and Heat mode.

The program schedule can be overridden by changing the set temperature (∨ or ∧). This puts the thermostat into a 2-hour temporary hold. After 2 hours, it will automatically return to the program schedule.

The thermostat also has a button lockout feature. This enables the thermostat to be set to the proper mode and temperature and locked so it cannot be tampered with.

Operating Modes

Program Overview: These are the possible operating modes for the Daikin programmable thermostat.

OFF Mode

In this mode, the thermostat will not turn on the heating or cooling devices.

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Note 1: *The indoor fan can be turned on manually in every operating mode by sliding the Auto/On switch to ON.*

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Note 2: *To enter Programming Fan Only Mode, press the > button once. Only the indoor fan will operate during that period if it is activated in the program setup.*

Cool Mode

Heat Mode

In this mode, the thermostat controls the heating system.

Cool and Heat Mode

The thermostat controls the heating and cooling systems, automatically changing over from one to the other as required.

Program Mode

In this mode, the program function is on, and the thermostat will automatically be controlled by the set program. Program mode can function with Heat mode, Cool mode, Cool and Heat mode or OFF mode (for Programmable fan option only).

Press the > button to enter and exit program mode.

Program Mode Hold

The program schedule can be overridden by changing the set temperature (∨ or ∧). After 2 hours, the program schedule will automatically be resumed. To return to the program schedule manually, press the > button twice.

Setting the Time and Day of the Week

The time and day of the week must be set for your program schedule to operate correctly.

1. Verify thermostat is in non-programmable mode (use the > button to exit prog mode).

2. Press and release < button until OFF mode displays.

Note:Press the > button in for 5 seconds to lock values into memory or press the > button once to enter programming.

Programming

Program Overview

The Daikin Programmable Thermostat has four periods (MORN, DAY, EVE, NITE) that are customizable for each day of the week. Each period will have a start time, heat temperature, cool temperature and programmable fan. The thermostat monitors the day and time, while maintaining the specific conditions you have chosen for each period in your program.

1. Verify thermostat is in non-programmable mode (use the > button to exit prog mode).

2. Press and release the < button until OFF mode displays.

3. Press the > button for 6 seconds.

4. Press the > button twice.

• Day is displayed (1-7)

5. Press the ∨ or ∧ button to change the day you want to program (1=Monday, 2=Tuesday, etc).

6. Press the > button to advance to the next screen.

⚡ **Note:** *You can always press the < button to return to the previous screen.*

• Period is displayed (MORN, DAY, EVE, NITE)

7. Press the ∨ or ∧ button to change period of day.

8. Press the > button to advance to the next screen.

• Heat temperature is displayed (50°F to 90°F)

11. Press the ∨ or ∧ button to adjust heat set temperature.

12. Press the > button to advance to the next screen.

• Cool temperature is displayed (45°F to 85°F)

13. Press the ∨ or ∧ button to adjust cool set temperature.

14. Press the > button to advance to the next screen.

• Programmable fan is displayed

15. Press the ∨ or ∧ button to turn ON/OFF continuous indoor fan for that period.

16. Press the > button to advance to the next screen.

Repeat steps 1-16 to program each day of the week individually or use the Simpleset® feature to program every day the same as Monday.

Press the > button for 5 seconds to exit programming and return to the OFF mode.

Press the < button to select the correct operating mode.

Press the > button to enter and exit program mode.

Simpleset® Programming

Simpleset® programming is a convenient method of programming the thermostat. Once the entire Monday (Day 1) schedule is set, Simpleset® programming will copy the Monday schedule to every day of the week.

After the complete Monday schedule is set (see Programming), you are at the Day 2 screen:

1. Press the ∨ button once. Day 1 screen displays.

2. Press the ∨ button for 2 seconds.

• The days of the week will count down from 7 to 1 and this will lock the settings into memory.

• Once the schedule is locked in, you can go through each day and make any changes you require. This feature speeds up the programming of the standard weekday/weekend schedule.

3. Press > button for 5 seconds to exit Program mode.

Lockout Feature

The Daikin Programmable Thermostat has a button lockout feature so the mode cannot be changed and the temperature adjustment is limited. Select the appropriate lockout from Configuration Mode Settings, Step 16, of this guide.

To activate the LOC feature:

1. Press the < button and hold it in.

2. Also press > button and keep both depressed for 10 seconds.

3. LOC will display and the Lockout Function will be enabled.

To deactivate the LOC feature, repeat steps 1 & 2 above (in this section).

Factory Preprogramming

The Daikin Programmable Thermostat comes preprogrammed with the following schedule:

MONDAY thru SUNDAY	MORN	6:00 AM	DAY	8:00 AM	EVE	6:00 PM	NITE	10:00 PM
	HEAT	70°F	HEAT	62°F	HEAT	70°F	HEAT	62°F
	COOL	78°F	COOL	85°F	COOL	78°F	COOL	82°F
	FAN*	ON/OFF	FAN*	ON/OFF	FAN*	ON/OFF	FAN*	ON/OFF

* Programmable fan option

Personal Program Schedule

Use the following personal program schedule to record your settings:

MONDAY 1	MORN	DAY	EVE	NITE
* Programmable fan option	HEAT	HEAT	HEAT	HEAT
	COOL	COOL	COOL	COOL
	FAN*	ON/OFF	FAN*	ON/OFF
TUESDAY 2	MORN	DAY	EVE	NITE
	HEAT	HEAT	HEAT	HEAT
	COOL	COOL	COOL	COOL
	FAN*	ON/OFF	FAN*	ON/OFF
WEDNESDAY 3	MORN	DAY	EVE	NITE
	HEAT	HEAT	HEAT	HEAT
	COOL	COOL	COOL	COOL
	FAN*	ON/OFF	FAN*	ON/OFF
THURSDAY 4	MORN	DAY	EVE	NITE
	HEAT	HEAT	HEAT	HEAT
	COOL	COOL	COOL	COOL
	FAN*	ON/OFF	FAN*	ON/OFF
5	MORN	DAY	EVE	NITE
	HEAT	HEAT	HEAT	HEAT
	COOL	COOL	COOL	COOL
	FAN*	ON/OFF	FAN*	ON/OFF
6	MORN	DAY	EVE	NITE
	HEAT	HEAT	HEAT	HEAT
	COOL	COOL	COOL	COOL
	FAN*	ON/OFF	FAN*	ON/OFF
SUNDAY 7	MORN	DAY	EVE	NITE
	HEAT	HEAT	HEAT	HEAT
	COOL	COOL	COOL	COOL
	FAN*	ON/OFF	FAN*	ON/OFF

Daikin 7-Day Programmable Thermostat

Factory Defaults	
⚡ NOTE: <i>Following are the factory default settings for the Daikin thermostat:</i>	
1. Heat Pump	OFF
2. Reversing Valve O/B	N/A
3. Heat Electric	ON
4. F/C	F
5. Differential Stage 1	1
6. Differential Stage 2	2
7. Deadband	5
8. Staged Off Outputs	ON
9. Heat Fan Delay on	0:00
10. Heat Fan Delay off	0:00
11. Cool Fan Delay on	0:00
12. Cool Fan Delay off	0:00
13. Cycles Per Hour	d
14. Auxiliary Delay on	N/A
15. LED indicator	1
16. Key Pad Lockout	0
17. Maximum Heat Setpoint	90
18. Minimum Cool Setpoint	45
19. Calibration	0

Troubleshooting

Symptom	Remedy
No display	Check for 24 VAC/VDC at thermostat; display is blank when 24 VAC/VDC is not present
System fan does not come on properly	Verify wiring is correct, check electric heat setup in configuration (see "Configuration Mode")
Program schedule activates at the wrong time	Check time (AM/PM) set on thermostat (see "Setting the Time")
Thermostat turns on and off too frequently	Adjust temperature differential (see "Differential," Configuration Mode Setting 5)
Thermostat does not follow program	Verify it is operating in Program mode (PROG displays); check time (AM/PM)
Fan runs continuously	Check fan On/Auto switch; check programmable fan setting in program; check fan settings in configuration (see "Configuration Mode")
Room temperature is not correct	Verify wall hole is plugged with putty or insulation; check wiring and location for remote sensor if used
LOC displays when any button is pressed or thermostat buttons are inoperative	Thermostat has the button lockout function activated (see "Lockout Feature")
Very limited setpoint adjustment	Thermostat has the button lockout function activated (see "Lockout Feature") Check configuration mode settings
Problem not listed above	Press Reset button once*
* Reset Button Function: <i>Time, day and mode changed to last saved settings (saved after power loss or when exiting program setup), configuration and program settings are unchanged.</i>	

Daikin Training and Development

Now that you have made an investment in modern, efficient **Daikin** equipment, its care should be a high priority. For training information on all **Daikin** HVAC products, please visit us at **www.DaikinApplied.com** and click on Training, or call 540-248-9646 and ask for the Training Department.

Warranty

All **Daikin** equipment is sold pursuant to its standard terms and conditions of sale, including Limited Product Warranty. Consult your local Daikin Representative for warranty details. Refer to Form 933-430285Y. To find your local **Daikin** Representative, go to **www.DaikinApplied.com**.

Aftermarket Services

To find your local parts office, visit www.DaikinApplied.com or call **800-37PARTS (800-377-2787)**. To find your local service office, visit **www.DaikinApplied.com** or call **800-432-1342**. This document contains the most current product information as of this printing. For the most up-to-date product information, please go to **www.DaikinApplied.com**.

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