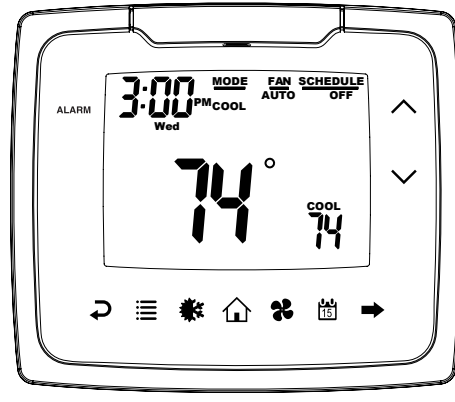
Made in USA

Programmable Thermostat

Auto Changeover

3H™ Thermostat

- 7-Day, 5-2-Day, or 5-1-1- Day Programmable
- Configurable for Multiple Systems
- Large Display with Backlight
- Selectable Fahrenheit or Celsius
- Icon Indicator Lights
- Relay Outputs – Minimum Voltage Drop in Thermostat
- WSHP Alarm Indicator
- Remote Sensor Compatible
- Ideally Suited for:
  - Residential (New Construction/Replacement)
  - Light Commercial
- Works with two-transformer systems

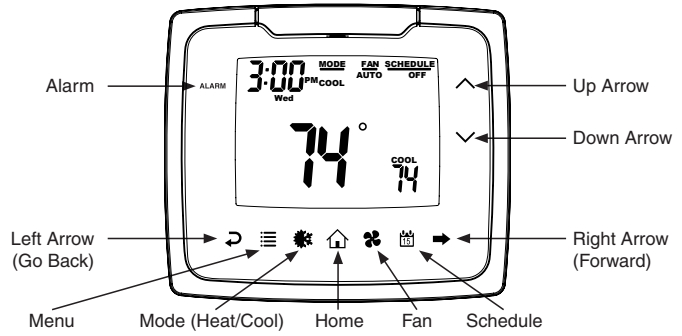


Installation, Operation and Application Guide

DAIKIN

www.daikinapplied.com 800-432-1342

Thermostat Controls



Package Contents/Tools Required

Package includes: Thermostat, base, wiring labels, screws, wall anchors, and *Installation, Operation and Application Guide*.
Tools required for installation: Drill with 3/16" bit, hammer, screwdriver

Specifications

Electrical Rating: 24 VAC (18-30 VAC), 1 amp maximum per output terminal, 5 amp maximum total load
Temperature Control Range: 45°F to 90°F (7°C to 32°C) Accuracy: ±1°F (±0.5°C)
Anti-short Cycle: 4 minutes (bypass anti-short cycle delay by returning to OFF mode and pressing the icon)
Backlight Operations: 15 seconds **DC Power:** 3.0 VDC (2 "AA"Alkaline batteries)
Water Source Heat Pump Configurations:
Daikin P/N I3 Thermostats
910193093 2-stage heat, 2-stage cool, 2 speed fan
910193126 2-stage heat, 2-stage cool
910193127 2-stage heat, 3-stage cool
910193128 3-stage heat, 2-stage cool
910193129 2-stage heat, 2-stage cool, dehumidification

Mode of Operation

The thermostat is a programmable, manual or auto changeover, up to 3-stage heat (depending on your model) and up to 3-stage cool (depending on your model) thermostat. It functions with air conditioning, heat pumps, gas, oil, or electric heat systems. The thermostat activates the heating appliance when the room temperature is below the set heat temperature (by the differential temperature). When the call for heat has been satisfied, the outputs are turned off. With heat pumps, the thermostat will not let the compressor come on for 4 minutes after it turns off to protect your compressor.

When the room temperature is greater than the set cool temperature (by the differential temperature), the cooling device is activated. When the call for cooling has been satisfied, the outputs are turned off. The thermostat will not let the compressor come on for 4 minutes after it turns off to protect your compressor.

The program schedule can be overridden by changing the set temperature (^ or v). This puts the thermostat into a temporary hold. To remove the temporary hold, press 15 icon twice.

Icon Functions

^ **UP** – Used to increase the time, set temperatures, and to adjust configuration settings.

v **DOWN** – Used to decrease the time, set temperatures, and to adjust configuration settings.

MENU – Used to enter configuration, set the clock, lock the thermostat, or select viewing options.

CONFIG ➡ Sets up thermostat to work for specific systems.

CLOCK ➡ Set year, month, date, and time.

LOCK ➡ Allows you to lock the thermostat to prevent tampering.

VIEW ➡ Allows you to see the remote sensor temperatures, date, current schedule period, lock screen, filter accumulated time, and show details (system status).

HUMIDITY ➡ ***(910193129 model only)*** Allows you to view the current relative humidity and change humidity setpoint (10% to 80%).

FAN – Used to select between AUTO, ON, and HOURLY fan operation.

MODE – Used to select between OFF, HEAT, COOL, and AUTO changeover modes.

HOME – Wakes thermostat, returns to home screen, and enters changes into memory.

15 **SCHEDULE** – Used to edit program schedule, turn program on and off, and set vacation return dates.

ALARM – The water source heat pump Microtech III unit alarm will be displayed notifying the occupant that service may be required.

Important Safety Information

WARNING!: ***Always turn off power at the main power supply before installing, cleaning, or removing thermostat.***

- This thermostat is for 24 VAC applications only; do not use on voltages over 30 VAC.
- Do not short across terminals of gas valve or system control to test operation; this will damage your thermostat and void your warranty.
- All wiring must conform to local and national electrical and building codes.
- Do not use air conditioning when the outdoor temperature is below 50 degrees; this can damage your A/C system and cause personal injuries.
- Use this thermostat only as described in this manual.

To Remove Existing Thermostat

ELECTRICAL SHOCK HAZARD – ***Turn off power at the main service panel by removing the fuse or switching the appropriate circuit breaker to OFF position before removing the existing thermostat.***

1. Turn off power to heating & cooling system by removing the fuse or switching the appropriate circuit breaker off.
2. Remove cover of old thermostat; this should expose the wires.
3. Label the existing wires with the enclosed wire labels before removing wires.
4. After labeling wires, remove wires from wire terminals.
5. Remove existing thermostat base from wall.
6. Refer to the following section for instructions on how to install this thermostat.

To Install Thermostat

ELECTRICAL SHOCK HAZARD – ***Turn off power at the main service panel by removing the fuse or switching the appropriate circuit breaker to OFF position before installing new thermostat.***

IMPORTANT: *Thermostat installation must conform to local and national building and electrical codes and ordinances.*

⁂ **Note:** *Mount the thermostat about five feet above the floor. Do not mount the thermostat on an outside wall, in direct sunlight, behind a door, or in an area affected by a vent or duct.*

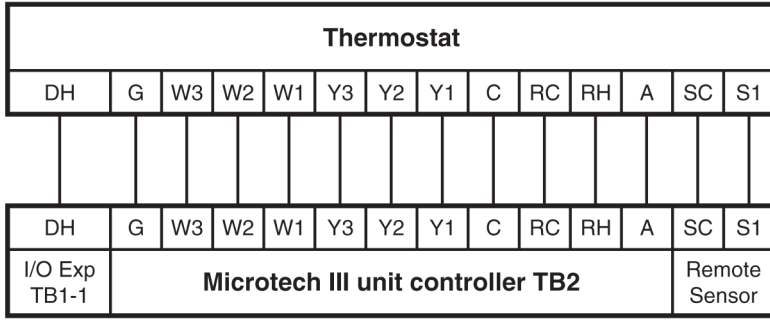
1. Turn off power to heating & cooling system by removing the fuse or switching the appropriate circuit breaker off.
2. Put thermostat sub base against the wall where you plan to mount it (be sure wires will feed through the wire opening in the sub base of the thermostat).
3. Mark the placement of the mounting holes.

4. Set thermostat sub base and thermostat away from working area.
5. Using a 3/16" drill bit, drill holes in the places you have marked for mounting.
6. Use a hammer to tap supplied anchors in mounting holes.
7. Use supplied screws to mount thermostat sub base to wall (make sure thermostat wire is through hole).
8. Insert stripped, labeled wires in matching wire terminals. Tighten screws to secure wires.
   CAUTION!: *Be sure exposed portion of wires do not touch other wires.*
9. Gently tug wire to be sure of proper connection. Double check that each wire is connected to the proper terminal.
10. Snap thermostat onto the sub base.
11. Turn on power to the system at the main service panel.
12. Configure thermostat to match the type of system you have.
13. Test thermostat operation as described in "Testing the Thermostat".

Terminal Designator Descriptions

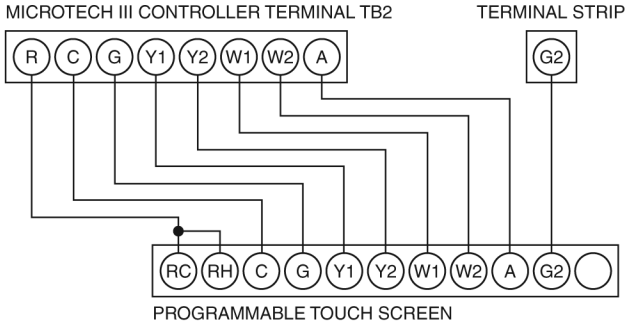
A – Alarm
C – 24 VAC common
DH – Dehumidification
G – Low speed fan
G2 – High speed fan
RC, RH – 24 VAC hot
SC, S1 – Remote sensor or outdoor sensor
W1 – 1st stage heat
W2 – 2nd stage heat
W3 – 3rd stage heat
Y1 – 1st stage cool
Y2 – 2nd stage cool
Y3 – 3rd stage cool

⁂ **Note 1:** *Not all terminals are used in every model.*
⁂ **Note 2:** *A connection to 24VAC common (C) is required.*

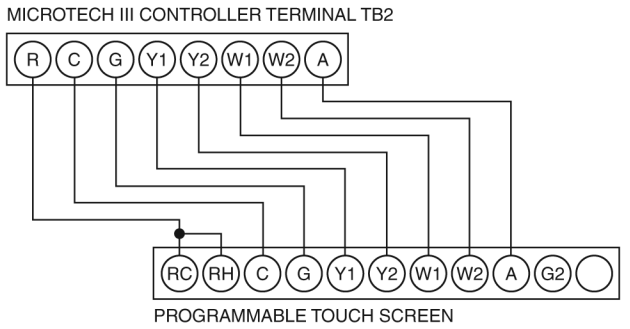


Wiring Diagrams

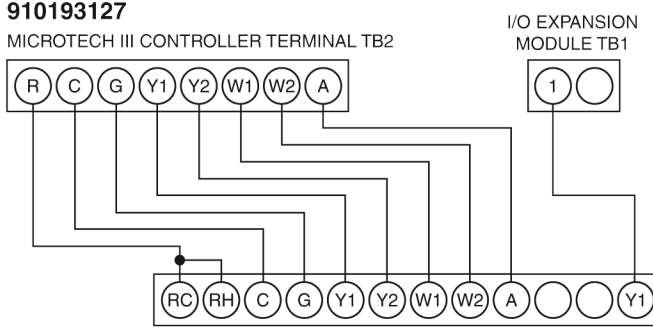
910193093



910193126



910193127



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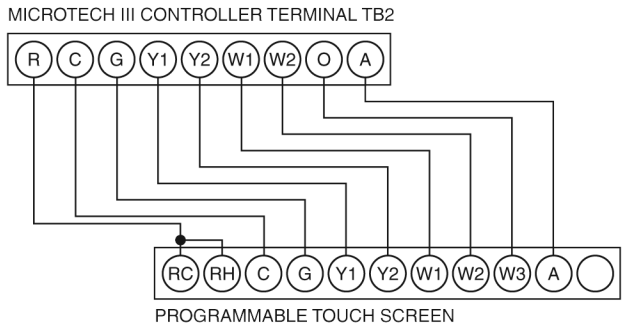
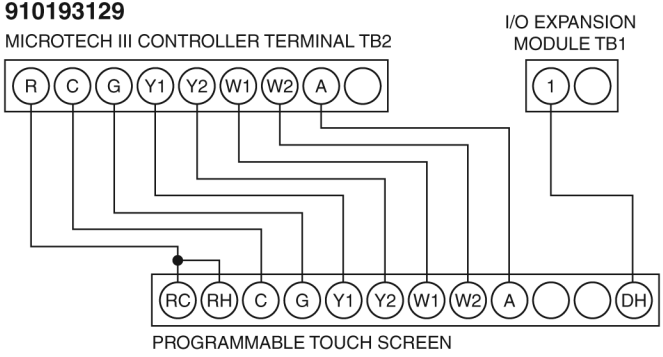


Wiring Diagrams (continued)

910193129



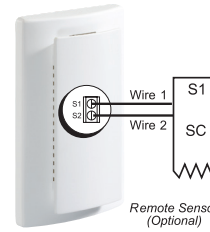
Remote Sensor Installation (Optional)

Terminals S1 and SC are used with a remote sensor. S1 can be used with a remote sensor to monitor indoor temperatures. An indoor remote sensor is used to read the indoor temperature in a different location. This is beneficial when the thermostat is not mounted in the ideal location.

1. Remove cover from remote sensor housing.
2. Select an appropriate location for mounting the remote sensor.
3. Mount the remote sensor using hardware provided.
4. Install two-strand shielded wire between the S1 terminal on the remote sensor and the S1 terminal on the thermostat.
5. From the remote sensor, install a two-strand shielded wire from the common to the SC terminal on the thermostat.
6. Configure the thermostat to work with the remote sensor.

Ordering Information:

Remote Sensor 1
– Indoor remote sensor: **107096001**



Remote Sensor (Optional)

Note:
Remote sensor reading can be displayed by

pressing the ⌂ icon.

Press ☰, select MENU VIEW

press ➡

910193093 Output Chart				
	1st Cool	2nd Cool	1st Heat	2nd Heat
Water Source Heat Pump (w/ Low Speed Fan)	Y1, G	Y1, Y2, G	W1, G	W1, W2, G
Water Source Heat Pump (w/High Speed Fan)	Y1, G2	Y1, Y2, G2	W1, G2	W1, W2, G2
Electric	Y1, G	Y1, Y2, G	W1, G	W1, W2, G
Electric (w/ High Speed Fan)	Y1, G2	Y1, Y2, G2	W1, G2	W1,W2, G2
Heat Pump (One Compressor)	Y1, G, O	Y1, G, O	Y1, G, B	Y1, W2, G, B
Heat Pump (One Compressor w/ High Speed Fan)	Y1, G2, O	Y1, G2, O	Y1, G2, B	Y1, W2, G2, B
Heat Pump (Two Compressors)	Y1, G, O	Y1, Y2, G, O	Y1, G, B	Y1, Y2, G, B
Heat Pump (Two Compressors w/ High Speed Fan)	Y1, G2, O	Y1, Y2, G2, O	Y1, G2, B	Y1, Y2, G2, B

910193126 Output Chart				
	1st Cool	2nd Cool	1st Heat	2nd Heat
Water Source Heat Pump	Y1, G	Y1, Y2, G	W1	W1, W2
Electric	Y1, G	Y1, Y2, G	W1, G	W1, W2, G
Heat Pump (One Compressor)	Y1, G, O	Y1, G, O	Y1, G, B	Y1, W2, G, B
Heat Pump (Two Compressors)	Y1, G, O	Y1, Y2, G, O	Y1, G, B	Y1, Y2, G, B

910193127 Output Chart					
	1st Cool	2nd Cool	3rd Cool	1st Heat	2nd Heat
Water Source Heat Pump	Y1, G	Y1, Y2, G	Y1, Y2, Y3	W1	W1, W2
Electric	Y1, G	Y1, Y2, G	Y1, Y2, Y3, G	W1, G	W1, W2, G
Heat Pump (One Compressor)	Y1, G, O	Y1, G, O	Y1, G, O	Y1, G, B	Y1, W2, G, B
Heat Pump (Two Compressors)	Y1, G, O	Y1, Y2, G, O	Y1, Y2, Y3, G, O	Y1, G, B	Y1, Y2, G, B

910193128 Output Chart					
	1st Cool	**2nd Cool**	**1st Heat**	**2nd Heat**	**3rd Heat**
Water Source Heat Pump	Y1, G	Y1, Y2, G	W1	W1, W2	W1, W2, W3
Electric	Y1, G	Y1, Y2, G	W1, G	W1, W2, G	W1, W2, W3, G
Heat Pump (One Compressor)	Y1, G, O	Y1, G, O	Y1, G, B	Y1, W2, G, B	Y1, W2, W3, G, B
Heat Pump (Two Compressors)	Y1, G, O	Y1, Y2, G, O	Y1, G, B	Y1, Y2, G, B	Y1, Y2, W2, G, B

910193129 Output Chart				
	1st Cool	2nd Cool	1st Heat	2nd Heat
Water Source Heat Pump	Y1, G	Y1, Y2, G	W1	W1, W2
Electric	Y1, G	Y1, Y2, G	W1, G	W1, W2, G
Heat Pump (One Compressor)	Y1, G, O	Y1, G, O	Y1, G, B	Y1, W2, G, B
Heat Pump (Two Compressors)	Y1, G, O	Y1, Y2, G, O	Y1, G, B	Y1, Y2, G, B

Water Source Heat Pump w/ Humidity Control 910193129 Output Chart						
	(De)humidification	1st Cool	2nd Cool	1st heat	2nd heat	Fan Only
WSHP	DH	Y1	Y1, Y2	W1	W1, W2	G

Configuration and Thermostat Lock

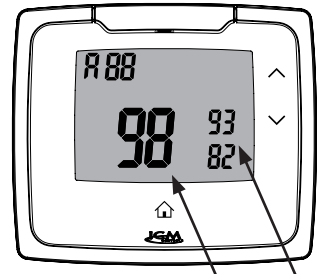
During Configuration Mode, certain settings are protected by a numeric code access screen to prevent unintentional changes that could potentially damage the system or create a dangerous condition.

Whenever changes are attempted to one of the critical settings, the unlock code screen will appear:

The unlock code for these critical settings can be found during the power-up sequence.

The large number (indicated by “98” in the diagram) is the code that will unlock the desired configuration setting.

The smaller numbers (indicated by “93” and “82” in the diagram) are codes used to lock and unlock your thermostat to prevent tampering.



Write your codes here

To view the default codes for your thermostat, remove the thermostat from the sub base for 10 seconds. Reinstalling thermostat will cause the codes to display for approximately 5 seconds.

Locking & Unlocking Thermostat

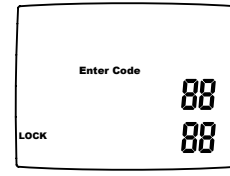
To lock and unlock thermostat, perform the following steps:

Press  , then  , then **MENU LOCK**, then 

Use  &  to select digit.

Use  &  to set number.

Press  to lock or unlock.



Changing the Lock Code

To change the lock code, do the following:

1. Press  , then press  until Lock menu displays.
2. Enter the current lock codes. To find the current lock codes, follow the instructions under “Configuration and Thermostat Lock”.
3. Press  to enter new lock codes.
4. Enter new lock codes.
5. Press  . The Lock Codes have been updated.

⁂ **Note:** *Upon subsequent power ups, new lock codes will display.*

Configuration Mode

The configuration mode is used to set the thermostat to match your heating/cooling system. The thermostat functions with heat pump, air conditioning, gas, oil, or electric heat systems. To configure the thermostat, perform the following steps:

Press  , then press  repeatedly until **MENU** / **CONFIG** is selected.

Press  to advance from one screen to the next.

⁂ **Note:** *Pressing*  *will return you to the previous screen.*

Press the  or  to change settings within each screen. Changes are saved automatically.

To exit configuration mode, press  . Auto exit occurs after two minutes with no icons touched.

Configuration Mode Settings

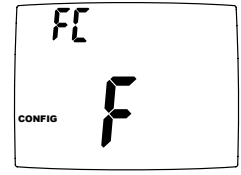
The setup screens for Configuration Mode are as follows:

1. **Temperature Scale** (F or C)

Choose Fahrenheit or Celsius.

Press the ∧ or ∨ to select.

Press ➡ to advance to the next screen.

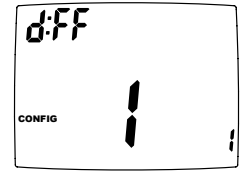


2. **1st Stage Temperature Differential** (1°F to 5°F) (0.5°C to 2.5°C)

Set the number of degrees between your "setpoint" temperature and your "turn on" temperature.

Press the ∧ or ∨ to set differential value.

Press ➡ to advance to the next screen.

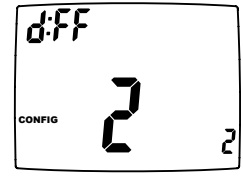


3. **2nd Stage Temperature Differential** (1°F to 5°F) (0.5°C to 2.5°C)

Set the number of degrees between when stage 1 turns on and when stage 2 turns on.

Press the ∧ or ∨ to set differential value.

Press ➡ to advance to the next screen.



4. **3rd Stage Temperature Differential** (1°F to 5°F) (0.5°C to 2.5°C)

Set the number of degrees between when stage 2 turns on and when stage 3 turns on.

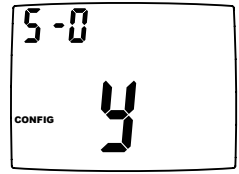
Press the ∧ or ∨ to set differential value.

Press ➡ to advance to the next screen.

⁂ **Note:** *Only for 910193127, 910193128*

5. **Staged Off Outputs**

Select whether the outputs for heating and cooling are staged off independently or are satisfied simultaneously.



no = Outputs off simultaneously. Y = Outputs staged off independently.

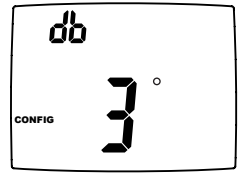
⁂ **Note:** *For 2 compressor heat pumps and multi-stage gas/oil systems, stage 3 is staged off independently when SO is set to* no.

Press the ∧ or ∨ to set.

Press ➡ to advance to the next screen.

6. **Minimum Deadband** (1°F to 9°F) (1°C to 5°C)

Set the minimum separation between heat setpoint and cool setpoint in Auto Changeover Mode.



Press the ∧ or ∨ to set deadband value.

Press ➡ to advance to the next screen.

7. **Heat Source:** There are six heat source settings:

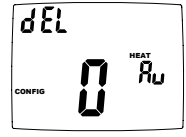
WARNING!: ***Incorrect settings can damage system and/or cause potentially dangerous conditions. Use the code described in Configuration and Thermostat Lock.***

⁂ **Note:** *Daikin Water Source Heat Pumps require setting "9" for proper operation.*

Water Source Heat Pump

8. **Auxiliary Delay ON** (0-60 minutes)

Set the delay time in minutes for auxiliary heat to be locked out after a call for second stage. This extra savings feature is used to temporarily lock out auxiliary heat devices, allowing just heat pump to try to satisfy heat call.



Press the ∧ or ∨ to select.

Press ➡ to advance to the next screen.

9. **Lockout** (0-8°, SLEEP, COOL-HEAT)

Select the number of degrees set temperature can be changed during keypad lockout. **SLEEP** setting locks thermostat only during the sleep period to prevent after hours tampering. **COOL-HEAT** lockout allows adjustment of the set temperatures to the maximum heat set temperature selected and minimum cool set temperature selected.

⁂ **Note:** *The mode cannot be changed while the thermostat is locked.*

Press the ∧ or ∨ to select.

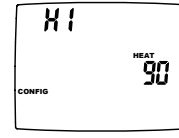
Press ➡ to advance to the next screen.

10. **Maximum Heat Setpoint** (45°F to 90°F) (7°C to 32°C)

Adjust to control the maximum heat set temperature allowed.

Press the ∧ or ∨ to select.

Press ➡ to advance to the next screen.

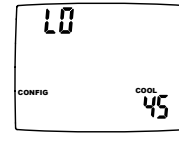


11. **Minimum Cool Setpoint** (45°F to 90°F) (7°C to 32°C)

Adjust to control the minimum cool set temperature allowed.

Press the ∧ or ∨ to select.

Press ➡ to advance to the next screen.



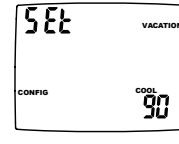
12. **Vacation Cooling Setpoint**

These work in conjunction with the Schedule mode where you set the date and time of your RETURN from vacation (Page 28).

Until that date/time, system will remain at the cooling setpoint specified here.

Press the ∧ or ∨ to select.

Press ➡ to advance to the next screen.



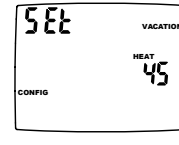
13. **Vacation Heating Setpoint**

These work in conjunction with the Schedule mode where you set the date and time of your RETURN from vacation (Page 28).

Until that date/time, system will remain at the heating setpoint specified here.

Press the ∧ or ∨ to select.

Press ➡ to advance to the next screen.

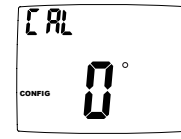


14. **Room Temperature Offset** (+9°F to -9°F) (+4.5°C to -4.5°C)

Adjust to calibrate displayed room temperature to match actual room temperature.

Press the ∧ or ∨ to select.

Press ➡ to advance to the next screen.

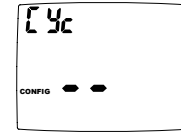


15. **Maximum Cycles Allowed Per Hour** (- -, 2-6)

⬬ ⬬ = as many as needed, 2-6 = maximum cycles/hour

Press ∧ or ∨ to select.

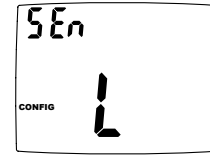
Press ➡ to advance to the next screen.



16. **Temperature Sensor** (**L**, **r**, **A**, **r** sleep)

⁂ **Note:** *If there is no remote sensor, option 1 (L) must be selected. May only be used with remote temperature sensor 1.*

WARNING!: ***Incorrect settings can damage system and/or cause potentially dangerous conditions. Use the code described in Configuration Safety Lock to access this screen setting.***



Appears only for non-heat pump systems and heat pumps without an outdoor sensor.

1. **L** – Only on-board sensor determines room temperature.
2. **r** – Only remote sensor determines room temperature.
3. **A** – Average temperature of on-board and remote sensor.
4. **r Sleep** – Only on-board sensor will be used until SLEEP period, and then only remote sensor is used for SLEEP period.

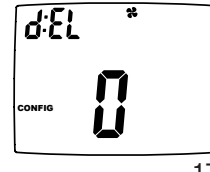
Press the ∧ or ∨ to select. Press ➡ to advance to the next screen.

17. **Fan Delay Off Time** (0, 30, 60, 90 seconds)

Select the amount of time the fan continues to operate after the cool/heat demand has been satisfied. Functions for cooling, heat pumps and electric heat.

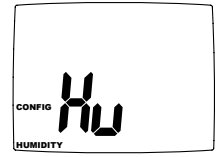
Press ∧ or ∨ to select.

Press ➡ to advance to the next screen.



⁂ **Note:** *Humidity option is only available on 910193129 model only.*

18. **Humidification/Dehumidification** *(Hu, dE)*



Set system configuration to work with a humidifier or dehumidifier (including air conditioner).

⁂ **Note:** *Incorrect settings can damage system and/or cause potentially dangerous conditions.*

Use the code described in Configuration Safety Lock to access this screen setting.

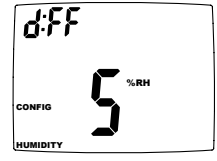
Hu: used with a humidifier to humidify home.

dE: used with air conditioner or dehumidifier to dehumidify home.

Press ∧ or ∨ to select.

Press ➡ to advance to the next screen.

19. **Humidity Differential** (1% to 10%)

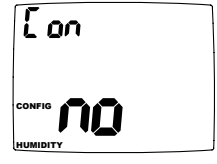


Set the percent difference between the setpoint humidity and when the humidifier or dehumidifier system turns on.

Press ∧ or ∨ to select.

Press ➡ to advance to the next screen.

20. **Condition to Turn On**



Set the condition for system to follow:

Humidification

No = No condition other than humidity reading below setpoint and differential will turn on the humidifier.

HEAT = Heat must be energized in order for the humidifier to turn on.

HEAT-FAN: Either the heat or the fan must be energized in order for the humidifier to turn on.

Dehumidification

No = No condition other than humidity reading above setpoint and differential will turn on the dehumidifier.

COOL-FAN = Either the cooling system or the fan must be energized in order for the dehumidifier to turn on.

COOL-no = Cooling system cannot be energized in order for the dehumidifier to turn on.

Press ∧ or ∨ to select.

Press ➡ to advance to the next screen.

21. **Extended AC** (no, COOL -2 (Fahrenheit), COOL -1 (Celsius))

⁂ **Note:** *Only used for Dehumidification when condition is set to COOL-FAN.*

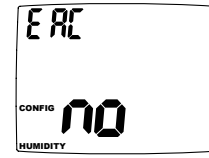
Set an extended time on the AC to increase dehumidification capabilities.

no = No extended AC time.

COOL -2 or COOL -1 = Cooling system will continue to operate after the set temperature has been reached until the room temperature is 3°F (1.5°C) below the set temperature if dehumidification has not been satisfied.

Press ∧ or ∨ to select.

Press ➡ to advance to the next screen.

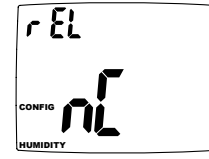


22. **Relay Operation (dehumidification only)**

Set the relay function to match your system (normally open, normally closed).

Press ∧ or ∨ to select.

Press ➡ to advance to the next screen.

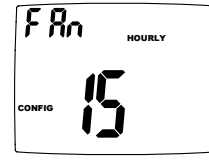


23. **Hourly Cycle Fan Operation** (*1-30 minutes per hour*)

Used in conjunction with the Fan HOURLY mode. When the user selects this option, the fan will turn on at the beginning of every hour and run for the number of minutes indicated here.

Press ∧ or ∨ to select.

Press ➡ to advance to the next screen.

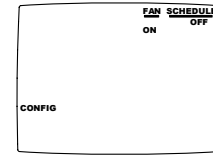


24. **Fan on Schedule** (OFF, WAKE, LEAVE, RETURN, SLEEP)

The fan will run continuously during this scheduled period when the mode is not set to OFF. To turn on the fan during one of the scheduled periods (WAKE, LEAVE, RETURN, SLEEP), please do the following:

Press ∧ or ∨ to select.

Press ➡ to advance to the next screen.



25. **Check Filter Timer** (*800-2500 hours*)

After the number of (fan running) hours specified (for example, 1200 hours), the words “CHECK FILTER” will display to remind you to check/change the system filter. The next configuration screen is where the elapsed number of run hours can be reset.

Press ^ or v to select.

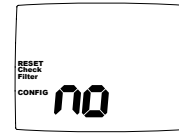
Press → to advance to the next screen.

26. **Reset Check Filter Timer**

Used to reset the elapsed number of (fan running) hours for the Check Filter Timer.

Press ^ or v to select Y (YES).

Press → to advance to the next screen.



Setting the Time and Date

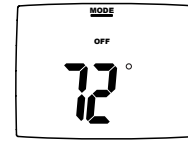
1. Press ⌂, then press ☰ until CLOCK is displayed.
2. Press → to enter date/time setting. Year blinks.
3. Press ^ or v to select the year.
4. Press → to save value and move to month.
5. Press ^ or v to select the month.
6. Press → to save value and move to day.
7. Press ^ or v to select the day.
8. Press → to save value and move to hour.
9. Press ^ or v to select the hour.

   ⁂ **Note:** *As you move past 12:00, the AM/PM symbol will change automatically.*
10. Press → to save the value and move to minutes.
11. Press ^ or v to select the minutes.
12. Press ⌂ to exit Time/Date setting.

Operating Modes

The possible operating modes for the thermostat are: OFF, HEAT, EM HEAT, COOL, and AUTO. Use to select.

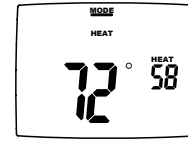
OFF Mode



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

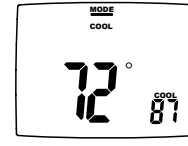
⁂ **Note:** *The indoor fan can be turned on manually in every operating mode by pressing until displays. The fan icon appears on the display when the fan operates.*

Heat Mode



• In this mode, the thermostat controls the heating system. When the heat outputs, the flame icon appears on the display for each stage of heat that is on.

Cool Mode

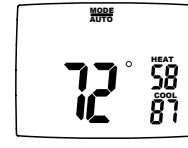


• In this mode, the thermostat controls the cooling system. When the cooling outputs, the snowflake icon appears on the display for each stage of cool that is on.

⁂ **Note:** *There is a four minute delay for your compressor to restart after it has turned off. To bypass the compressor time delay, go to OFF mode and press .*

Auto Mode

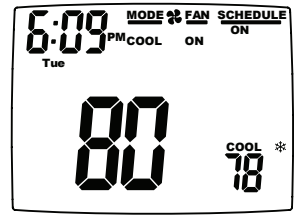
In this mode, the thermostat controls either heating or cooling systems automatically, depending on displayed room temperature and the heat or cool setpoint.



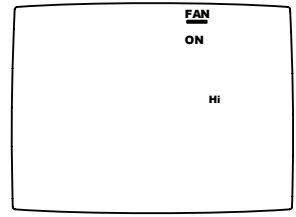
Setting fan speed on 910193093 model

(1) How to set fan speed

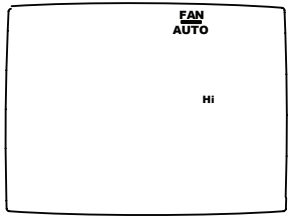
The active home screen shows current fan setting (AUTO/ON/HOURLY).

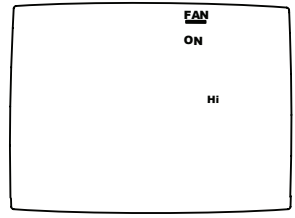


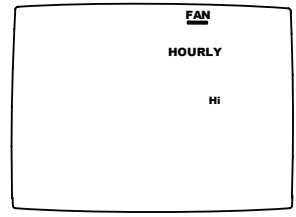
Press icon, screen shows exclusively the current fan setting (AUTO/ON/HOURLY) and current fan speed (HI/LOW). The <FAN>, <UP> and <DOWN> buttons are enabled.



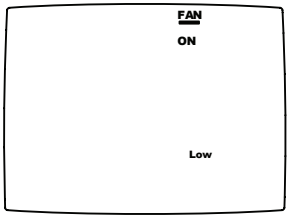
Press icon, fan setting will scroll between AUTO/ON/HOURLY. The fan speed remains unchanged.

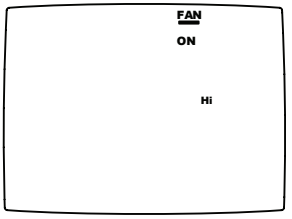




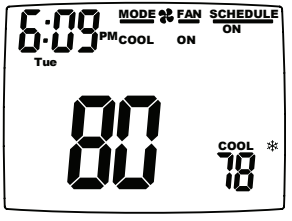


Press ∧ or ∨ , the current fan speed will toggle between HI and LOW. The fan mode remains unchanged.





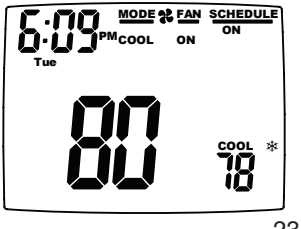
Press the ⌂ button or wait15 seconds, the screen will return back to the home screen. It shows fan mode. Speed is shown on the FAN screen above.



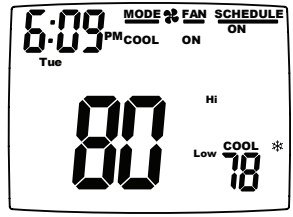
Fan speed set for either mode will apply to all modes. For example, speed set to HI on AUTO mode will apply to ON and HOURLY mode.

(2) How to show stage of heat or cool operation

If detailed display in sleep is enabled, the sleep screen shows either a snow flake to indicate cooling operation or a flame to indicate heating operation.

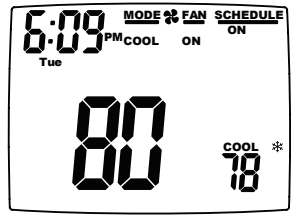


Press the button, the home screen will flash either the icon or the icon.
The number of flashes indicates the current stages of cooling or heating.



Press the button or wait 15 seconds, the screen will return back to the sleep screen.

The icons will not flash in sleep mode.



Testing the Thermostat

Once the thermostat is configured, it should be thoroughly tested.

CAUTION!: *Do not energize the air conditioning system when the outdoor temperature is below 50 degrees. It can result in equipment damage or personal injury.*

Heat Test

1. Press  , then press  until heat mode is displayed.
2. Adjust the set temperature so it is 5 degrees above the room temperature.
3. Heating should come on within a few seconds.
4. Adjust the set temperature 2 degrees below the room temperature and the heat should turn off. There may be a fan delay on your system.

⁂ **Note:** *For heat pumps, there is a four-minute delay to protect your compressor after it turns off. To bypass the compressor time delay, go to **OFF** mode and press*  .

Cool Test

1. Press  , then press  until cool mode is displayed.
2. Adjust set temperature so it is 5 degrees below room temperature.
3. Cooling should come on within a few seconds.
4. Adjust the set temperature 2 degrees above the room temperature and the cooling should turn off. There may be a fan delay on your system.

⁂ **Note:** *There is a four-minute time delay to protect the compressor after it turns off. To bypass the compressor time delay, go to **OFF** mode and press*  .

Fan Test

1. Press  , then press  icon. displays. Indoor fan turns ON.
2. Press  , then press  icon.  displays. Indoor fan turns OFF.

Setting the Program Schedule

The thermostat has four periods (WAKE, LEAVE, RETURN, SLEEP) that are customizable for each day of the week. Each period will have a start time, heat temperature, and cool temperature. The thermostat monitors the day and time, while maintaining the specific conditions you have chosen for each period in your program.

You can also set you schedule through the app on your smart device or through

Setting the program schedule:

1. Press  , then press  until EDIT is displayed.
2. Press ➡ to enter Program Schedule.
3. The day of the week flashes. Use the ∧ or ∨ to select the day of the week.

   ⁂ **Note:** *You can select the days individually, or if you keep pressing ∧ or ∨, there is an option for MON-FRI, MON-SUN or SAT-SUN.*
4. Press ➡ to continue.
5. The period (WAKE, LEAVE, RETURN, SLEEP) begins flashing. Use the ∧ or ∨ to select the desired period.
6. Press ➡ to continue.
7. Hour flashes. Use the ∧ or ∨ to select the hour when you want the current period to begin.
8. Press ➡ to continue.
9. The minutes flash. Use the ∧ or ∨ to select the minutes when you want the current period to begin.
10. Press ➡ to continue.
11. The HEAT temperature flashes. Use the ∧ or ∨ to set the desired heat temperature.
12. Press ➡ to continue.
13. The COOL temperature flashes. Use the ∧ or ∨ to set the desired cool temperature.
14. Press ➡ to continue.

Continue to set your entire schedule.

Press  to exit.

View Screen Options

Press  , then press  repeatedly until the **MENU VIEW** option displays then press  .

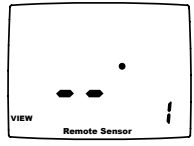
Press ➡ to advance to the next screen.

Press ↩ to go to previous screen.

Note: *These screens are visible when the thermostat is locked or unlocked.*

View REMOTE SENSOR 1 temperature

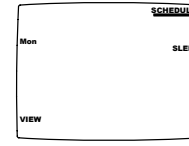
-- -- if not used.



View month, day, and year

View program schedule settings

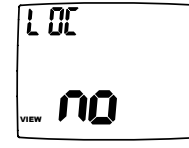
- **OFF** shows when schedule is off.
- **SETTINGS** show when schedule is on.



View if locked or unlocked

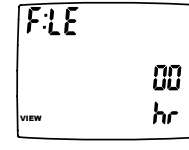
no = Unlocked

y = Locked



View filter status

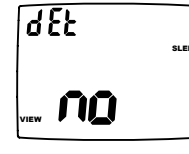
Accumulated fan run time displays.



Display setpoints, fan, and program information

Press ∧ or ∨ to select. no = Don't display setpoints and program schedule information.

dEt = Always display setpoints and program schedule information.



REMOTE SENSOR 1 = REMOTE SENSOR 1 temperature will display.

Press  to exit.

Schedule Override

The schedule override feature allows the user to override the program schedule for 1 to 5 hours. In addition, if selected, the schedule can be overridden only until the next transition period.

To access the Schedule override feature, enter the ☰ screen, then use ➡ to scroll through the menu options until you reach the SCHEDULE OVERRIDE screen. In the default setting, the Vacation & Schedule periods will be flashing in the upper right corner of the LCD. In this mode, the Vacation & Schedule will be overridden until the next transition period. To switch to the 1-5 hour override, use the ^ arrow. This mode allows the user to override the Schedule set points for 1-5 hours.

Setting the Vacation Timer

The vacation timer lets you set the date and time of your RETURN from vacation. Until that date/time, the system will remain at the VACATION heating and cooling setpoints specified in the configuration menu.

To use the EASY VACATION feature:

Press ⌂, then press the 15 to scroll to "Vacation" then press ⌂ again. The thermostat will automatically go into Vacation mode with the default return date 1 month later .

To set the vacation timer (and begin vacation setpoint mode): **1.** Press ✸ to select operating mode.

2. Press ⌂, then press 15 until VACATION appears. **3.**Press ➡ to enter date and time you plan to RETURN from vacation.

4. When your finished entering the date/time, press ⌂.

Alarm Reset

This thermostat is equipped with unit fault reset capabilities when used with the Michrotech III WSHP unit controller.

If the water source heat pump enters a fault mode, the alarm icon will illuminate on the thermostat. When the condition has been corrected, the unit can be reset from the thermostat.

1. Press the ⌂

2. press the CONFIG ➡ repeatedly until the alarm reset appears

3. Press the ^ arrow to change the display to Y, then press ⌂

Factory Preprogramming

The thermostat comes pre-programmed with the following schedule:

thru	WAKE	6:00 AM	LEAVE	8:00 AM	RETURN	6:00 PM	SLEEP	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

Use the following personal program schedule to record your settings:

	WAKE		LEAVE		RETURN		SLEEP	
MONDAY *1*	HEAT		HEAT		HEAT		HEAT	
	COOL		COOL		COOL		COOL	
TUESDAY *2*	WAKE		LEAVE		RETURN		SLEEP	
	HEAT		HEAT		HEAT		HEAT	
	COOL		COOL		COOL		COOL	
WEDNESDAY *3*	WAKE		LEAVE		RETURN		SLEEP	
	HEAT		HEAT		HEAT		HEAT	
	COOL		COOL		COOL		COOL	
THURSDAY *4*	WAKE		LEAVE		RETURN		SLEEP	
	HEAT		HEAT		HEAT		HEAT	
	COOL		COOL		COOL		COOL	
FRIDAY *5*	WAKE		LEAVE		RETURN		SLEEP	
	HEAT		HEAT		HEAT		HEAT	
	COOL		COOL		COOL		COOL	
SATURDAY *6*	WAKE		LEAVE		RETURN		SLEEP	
	HEAT		HEAT		HEAT		HEAT	
	COOL		COOL		COOL		COOL	
SUNDAY *7*	WAKE		LEAVE		RETURN		SLEEP	
	HEAT		HEAT		HEAT		HEAT	
	COOL		COOL		COOL		COOL	

Troubleshooting

Symptom	Remedy
No display	Check for 24 VAC at thermostat; display is blank when 24 VAC is not present.
System fan does not come on properly	Verify wiring is correct, check heat source (Gas/Electric) in Configuration (see Section 7, Page 14).
No response with first button press	Press ⌂ to activate touch icons.
Program schedule activates at wrong time	Check time (AM/PM) set on thermostat (see Setting the Time & Date, Page 22).
Thermostat turns on/off too frequently	Adjust temperature differential (see Configuration Mode Setting, Pages 12-13).
Thermostat does not follow program	Verify the schedule is on SCHEDULE ON: check time (AM/PM); check if in program override.
Fan runs continuously	Press and set to auto FAN AUTO. FAN ON is continuous run.
Room temperature is not correct	Calibrate thermostat (see Configuration Mode Setting, Section 17, Page 17). If remote sensor is used, check S1 and SC terminal connections.
LOCK displays when any button is pressed	Thermostat has the button lockout function activated (see Lockout & Unlock Feature, Page 11).
– – on display instead of room temperature	Check for a bad connection at the S1 and SC terminals, if used (see Configuration Mode Setting, Section 19, Pages 20).
Heat or Cool not coming on	Verify wiring is correct, gently pull on each wire to verify there is a good connection at terminal block.
Remote Sensor displays	Check remote sensor temperature at ⌂, ☰, MENU VIEW, ➡.
OVERRIDE displays	Program schedule is in temporary override. Will return to schedule at next transition time.
Setpoints do not display all of the time	⌂ Press ☰, MENU VIEW, ➡ six times, 
Alarm displays	A unit alarm may be cleared from the thermostat provided a unit fault is no longer active. Please refer to the Daikin WSHP unit IOM for additional information.

FIVE-YEAR LIMITED WARRANTY

The Seller warrants its products against defects in material or workmanship for a period of five (5) years from the date of manufacture. The liability of the Seller is limited, at its option, to repair, replace or issue a non-case credit for the purchase prices of the goods which are provided to be defective. The warranty and remedies set forth herein do not apply to any goods or parts thereof which have been subjected to misuse including any use or application in violation of the Seller's instructions, neglect, tampering, improper storage, incorrect installation or servicing not performed by the Seller.

In order to permit the Seller to properly administer the warranty, the Buyer shall: 1) Notify the Seller promptly of any claim, submitting date code information or any other pertinent data as requested by the Seller. 2) Permit the Seller to inspect and test the product claimed to be defective. Items claimed to be defective and are determined by Seller to be non-defective are subject to a $30.00 per hour inspection fee. This warranty constitutes the Seller's sole liability hereunder and is in lieu of any other warranty expressed, implied or statutory. Unless otherwise stated in writing, Seller makes no warranty that the goods depicted or described herein are fit for any particular purpose.