

**Honeywell**

**VisionPRO<sup>®</sup> 8000**  
**Thermostats**

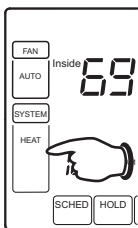
INSTALLER SETUP AND  
SYSTEM TEST POCKET  
GUIDE



62-0266-01

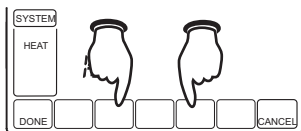
# INSTALLER SETUP

1. Press SYSTEM.



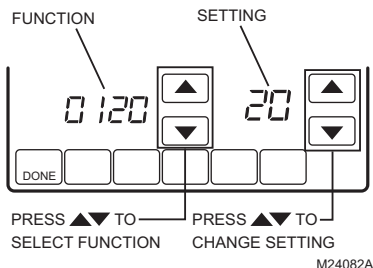
M24079

2. Press and hold these two blank buttons until the display changes.



M24080

- Use arrows to change settings as required.



- Press **DONE** to exit and save settings.

## INSTALLER SETUP FUNCTIONS

Available option and default settings vary by thermostat.

**Table 1. Installer Setup .**

Installer Setup Number	Installer Setup Name	Default Setting	All Settings	Notes
0120	Date (Year Upper)	20	20—20xx 21—21xx	Available year range: 2001 - 2178
0130	Date (Year Lower)	04	00-99	Available year range: 2001 - 2178
0140	Date (Month)	6	1-12	
0150	Date (Day)	15	1-31 (Month Dependent)	
0160	Schedule Options	4	0—Non-Programmable 4—Programmable	

**Table 1. Installer Setup (Continued).**

<b>Installer Setup Number</b>	<b>Installer Setup Name</b>	<b>Default Setting</b>	<b>All Settings</b>	<b>Notes</b>
0170	System Selection	8	1—1H/1C Conv 2—1H/1C HP 3—1H w/o fan 4—1H with fan 6—1C 7—2H/1C HP 8—2H/2C Conv 9—2H/1C Conv 10—1H/2C Conv 11—2H/2C HP 12—3H/2C HP	
0175	TOD/ Economizer output (terminal A)	0	0—Unused 1—TOD 2—Economizer	Economizer energizes A during a call for cool. TOD energizes A during Occupied period, and de-energizes A during Unoccupied.
0180	Heat Fan Operation	0	0—Fossil 1—Electric	Only shown for conventional system with heat stages and fan capability selected. If heat pump is selected, fan defaults to electric.
0185	Pre-occupancy Purge Duration	0	0—no duration 1—one hour 2—two hours 3—three hours	Shown only if system has fan and schedule programmable. Pre-occupancy purge enabled by nonzero duration (and sends economizer to minimum position).
0190	Reversing Valve O/B	0	0—O (O/B On Cool) 1—B (O/B On Heat)	Only shown with heat pump system selected.
0220	Cycles Per Hour (CPH) for first stage compressor	3	1-6	Only shown for system with cool stages. Selection in this stage changes default CPH of second stage cool.

## Table 1. Installer Setup (Continued).

Installer Setup Number	Installer Setup Name	Default Setting	All Settings	Notes
0230	CPH for second stage compressor	3	1-6	Only shown if two stages of cool selected.
0240	CPH for first stage conventional heat	5	1-12	Only shown if system is conventional with heat stages. Selection in this stage changes default CPH of second stage heat.
0250	CPH for second stage conventional heat	9	1-12	Only shown with at least two stages conventional heat or 2H/1C heat pump selected.
0260	CPH for third Stage Heat	9	1-12	Only shown if 3H/2C heat pump is selected.
0270	CPH for Auxiliary Heat	9	1-12	Only shown if multi-stage heat pump is selected (heat pump with more heat than cool stages).
0280	Continuous Backlight	0	0—No 1—Yes	Always shown. If AC power not present the option is overridden and normal backlight operation occurs.
0300	Changeover	1	0—Manual 1—Auto	Only shown if system has both heat and cool stages.
0310	Deadband	3° F (2° C)	2 (1.5)—2° F (1.5° C) 3 (2.0)—3° F (2.0° C) 4 (2.5)—4° F (2.5° C) 5 (3.0)—5° F (3.0° C) 6 (3.5)—6° F (3.5° C) 7 (4.0)—7° F (4.0° C) 8 (4.5)—8° F (4.5° C) 9 (5.0)—9° F (5.0° C)	Only shown if Automatic Changeover Selected

## Table 1. Installer Setup (Continued).

Installer Setup Number	Installer Setup Name	Default Setting	All Settings	Notes
0320	Temperature Indication Scale	0	0—° F 1—° C	
0330	Daylight Saving	2	0—Disabled 1—Enabled (US 1987) 2—Enable (US 2007) 3—Enabled (Europe)	
0340	Remote Temperature Sensor	0	0—None 1—Outdoor for Display 2—Outdoor for Control 3—Remote 10K Indoor 4—Remote 20K Indoor	Averaging would not include on-board sensor. It is accomplished by series/parallel combinations. 2 applies only to Heat Pump applications (allowing compressor lockout while displaying temperature).
0350	Heat Pump Compressor Lockout	0	0—None 15(-9.5)—15° F (-9.5° C) 20(-6.5)—20° F (-6.5° C) 25(-4.0)—25° F (-4.0° C) 30(-1.0)—30° F (-1.0° C) 35(1.5)—35° F (1.5° C) 40(4.5)—40° F (4.5° C) 45(7.0)—45° F (7.0° C)	Only shown for heat pump systems with more heat stages than cool selected and remote sensor selection is outdoor for control. Must enforce a dead band between this and Auxiliary Lockout
0360	Heat Pump Auxiliary Lockout	0	0—None 40(4.5)—40° F (4.5° C) 45(7.0)—45° F (7.0° C) 50(10.0)—50° F (10.0° C) 55(13.0)—55° F (13.0° C) 60(15.5)—60° F (15.5° C)	Only shown for heat pump systems with more heat stages than cool selected and remote sensor selection is outdoor for control. Must enforce a dead band between this and Heat Pump Compressor Lockout.

**Table 1. Installer Setup (Continued).**

<b>Installer Setup Number</b>	<b>Installer Setup Name</b>	<b>Default Setting</b>	<b>All Settings</b>	<b>Notes</b>
0535	Temporary Occupied Duration Limit	3	0—no duration 1—one hour 2—two hours 3—three hours 4—four hours	0 means no limit
0540	Number of Periods	4	2—2 Periods 4—4 Periods	Does not appear if Non-programmable is chosen. Applies to all days of the week. With 2 selected the "Cancel Period" option does not appear on the display.
0580	Minimum Compressor Off Time	5	0—Off 2—2 minutes 3—3 minutes 4—4 minutes 5—5 minutes	Only shown if system has cool stages.
0600	Heat Temperature Range Stops	90	40 to 90° F (4 to 32° C)	Only shown if system has heat stages.
0610	Cool Temperature Range Stops	50	50 to 99° F (10 to 37° C)	Only shown if system has cool stages.
0640	Clock Format	12	12—12 Hour 24—24 Hour	
0650	Extended Fan-on time Heat	0	0—Off 90—90 seconds	Not displayed with fan set to fossil or with cool-only systems
0660	Extended Fan-on time Cool	0	0—Off 40—40 seconds	Only shown if system has cool stages.

**Table 1. Installer Setup (Continued).**

<b>Installer Setup Number</b>	<b>Installer Setup Name</b>	<b>Default Setting</b>	<b>All Settings</b>	<b>Notes</b>
0670	Keypad Lockout	0	0—Unlocked 1—Partial Lockout 1 2—Partial Lockout 2 3—Fully Locked	Unlocked: All functions accessible. Partial 1: Locks all but Holiday, Override, and Up/Down. Partial 2: Locks all but Holiday and Override. Full: Entire interface locked/non-functional.
0680	Temperature Control Heat	2	1—Less Aggressive 2—Standard 3—More Aggressive	Only shown if system has heat stages. Only integral gains affected. Affects control operation in all control regimes (not just recovery or setpoint change). More Aggressive stops signal prior to reaching the setpoint. (For use with oversized equipment.)
0685	Recovery Heat Ramp Rate	5	0-20° F/hour (-18- -7° C)	Only shown if system has heat stages. 0 disables ramped recovery (step setpoint change at period start time).



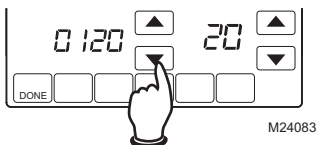
**Table 1. Installer Setup (Continued).**

Installer Setup Number	Installer Setup Name	Default Setting	All Settings	Notes
0690	Temperature Control Cool	2	1—Less Aggressive 2—Standard 3—More Aggressive	Only shown if system has cool stages. Only integral gains affected. Affects control operation in all control regimes (not just recovery or setpoint change). More Aggressive stops signal prior to reaching the setpoint. (For use with oversized equipment.)
0695	Recovery Cool Ramp Rate	3	0-20° F/hour (-18- -7° C)	Only shown if system has cool stages. 0 disables ramped recovery (step setpoint change at period start time).
0700	Temperature Display Offset	0	-3 (-1.5)—-3° F (-1.5° C) -2 (-1.0)—-2° F (-1.0° C) -1 (-0.5)—-1° F (-0.5° C) 0 (0.0)—0° F (0.0° C) 1 (0.5)—1° F (0.5° C) 2 (1.0)—2° F (1.0° C) 3 (1.5)—3° F (1.5° C)	This offset applies to both the control temperature and to the display temperature for indoor sensor (and remote indoor sensor).
0710	Restore Factory Defaults	0	0—No 1—Yes	Resets all ISU parameters to default values and resets the schedule to default. Retains only calendar settings and time.

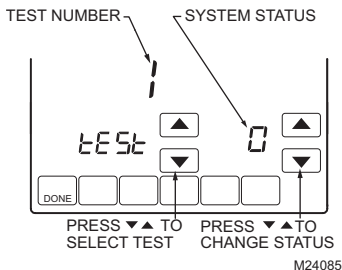
# INSTALLER SYSTEM TEST

The installer Test is part of the Installer Setup Menu.

1. Enter the installer System Test by entering the Installer Setup and pressing ▼ repeatedly until “Test” appears.



2. Use arrow to change test and system status as required.



3. Press **DONE** to exit.

# SYSTEM TESTS

Test the system's heating cooling, fan and emergency heat. Available tests vary by thermostat and system type.

**Table 2. Installer System Tests.**

System Test Number	Test Type	Default Setting	System Status Number and Description	
Test 1	Installer Test Cool	0	0—Off 1—Cool Stage 1 2—Cool Stage 2	
Test 2	Installer Test Fan	0	0—Off 1—Fan On	
Test 3	Installer Test Heat	0	0—Off 1—Heat Stage 1 2—Heat Stage 1 and 2 3—Heat Stage 1,2 and 3	
Test 4	Installer Test Auxiliary Heat	0	0—Auxiliary Heat Off 1—Auxiliary Heat On	
Test 8	Installer Test TOD/ Economizer	0	0—TOD/Economizer Off 1—TOD/Economizer On	



## CAUTION

### EQUIPMENT DAMAGE HAZARD

Compressor protection is bypassed during testing. To prevent equipment damage, avoid cycling the compressor quickly.

## **Automation and Control Solutions**

Honeywell International Inc.  
1985 Douglas Drive North  
Golden Valley, MN 55422  
[yourhome.honeywell.com](http://yourhome.honeywell.com)

Honeywell Limited-Honeywell Limitée  
35 Dynamic Drive  
Toronto, Ontario M1V 4Z9

# **Honeywell**

® U.S. Registered Trademark  
© 2011 Honeywell International Inc.  
62-0266—01 M.S. Rev. 03-11