



GET CONTROL. GET HONEYWELL.

## Application Selection and Cross-Reference Guide

# The Innovative Leader

For more than a century, Honeywell has been on the leading edge of product development for energy-efficient HVAC and building automation products. Contractors and building owners count on Honeywell commercial thermostats for the latest technology, ease-of-use and energy savings.

## Support

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1-763-954-6464

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For more information, please contact your local Honeywell authorized distributor or Honeywell sales representative.





## T7351F

### Standalone Staged Thermostat

- Keypad programming
  - All configuration is done through the keypad
- Integrated humidity sensor
  - Several strategies for dehumidifying
- 365-Day Schedule
  - Schedule holidays throughout the year to save energy
- Remote sensing
  - Indoor, outdoor, humidity, occupancy and discharge air sensors available for added flexibility
  - Outdoor Air and Discharge Air Temperature Lockout
- Controls conventional or heat pump systems
- Flexibility allows the same thermostat to be used on every top roof unit in the system

OS Number	Description	Application
T7351F2010	T7351 Commercial Programmable Thermostat	3 Heat/3 Cool and 2 Heat/4 Cool Conventional, or 3 Heat/2 Cool Heat Pump with 2 Auxiliary Stages, Advanced Dehumidification and Occupancy Option

Replacements						Sensor Compatibility	
		Honeywell	White-Rodgers	Invensys/ Robertshaw	Carrier/Totaline	TCS/basys Controls	
Conventional/Heat Pump	T7351F2010	All T7300s with Non-Q7300H Subbases	All White-Rodgers Thermostats	All Invensys/Robertshaw Thermostats	All Carrier/Totaline Thermostats	SZ1022, SZ1024, SZ1031, SZ1033, SZ1035, SZ1009	T7771A1005, TR21, TR21-A (averaging), TR22, TR23, TR24, C7772A1012 (flush mount), C7770A1006 (return airduct), C7041P2004 (button sensor)



# T7351F Applications

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## Schools

- Up to 10 holidays can be scheduled into the Holiday scheduler, which can be programmed to handle multiple days per holiday event, can program closed days during the summer, or spring break and can be programmed for specific calendar events.
- Dehumidification features can be used to control dew points in buildings and can be deployed where moisture is an issue, such as around school pools or in humid locations.
- Temporary Override can be configured from 1 to 8 hours to allow override from unoccupied schedule to an occupied schedule as well as for classrooms that are only used for parts of the week or just occasionally used.
- Control Algorithm is the best available for heating and cooling large spaces, such as gymnasiums or auditoriums, quickly and accurately. The algorithm is specifically tuned for commercial equipment and has a short sensor time constant that can react quickly to demand changes.



## Healthcare and Gym Facilities

- Dehumidification features are ideal for controlling high-moisture areas.



## Restaurant/Food Service

- Commercial Algorithm provides the best comfort control to react to the constantly changing food service and restaurant environments, reacting quickly to changing load demands via fast-sensing time constants.
- Remote Sensing configuration options allow the use of commercial 20K ohm and 10K ohm sensors to create a 20K ohm averaging network, a good solution for food service locations that have high load demands.
- Economizer function allows restaurants to meet ventilation requirements and is also important to balance the air intake of the restaurant. Restaurants that are not properly balanced do not achieve good comfort control as they draw in unconditioned air.



## Churches/Public Worship

- T7351F Wall Modules, including the T7771, TR22, TR23 and TR24 models allow for setpoint-only adjustment with range stops, temporary override control, or a combination of both to provide the end-users with flexibility to provide optimal comfort during occupied events.



## Retail

- Customizable Recovery Ramp feature guarantees the exact temperature specified when the store opens, ensuring customer and staff comfort.
- Easy-to-use Holiday Scheduler.



## Office Building Zones

- The T7351F is one of the only Honeywell thermostats that integrate with occupancy sensors for office zones that are normally unoccupied or partially occupied.
- T7351F Wall Modules, including the T7771, TR22, TR23 and TR24 models allow for setpoint-only adjustment with range stops, temporary override control or a combination of both to provide the end-users with flexibility to provide optimal comfort during occupied events.
- Customizable Recovery Ramp feature guarantees the exact temperature specified when the office opens.

OS Number	Benefit
T7351F2010	Energy Savings, Comfort, Fresh Air, Dehumidification

## Heat Pumps

- Outdoor Air Sensor automatically turns off heat pump equipment in cold climates. The T7351F is the only Honeywell thermostat that uses both an outdoor air sensor and indoor sensors/wall modules for heat pump control applications.

## Equipment Protection

- Discharge Air Sensor detects abnormally high or low discharge air temperatures and shuts down equipment if limits are exceeded.





# Commercial VisionPRO® 8000

## Programmable Touchscreen Thermostat

- Touchscreen user interface
  - The sleek design, menu-driven programming and large touchscreen display are all here
- Saves energy
  - Effortless programming helps your customers save up to 33% off their energy bill<sup>1</sup>
- Meets commercial building codes
  - Pre-occupancy Purge, Economizer Output and Override Limits meet all fresh air and override limitation requirements
  - Qualifies for utility rebates<sup>2</sup>
  - Title 24/IECC/ASHRAE codes
- Multiple lockout levels
  - Save energy and money by preventing unauthorized setting changes
- Compatible with auxiliary commercial devices
  - Commercial sensors
  - Economizers
- Commercial comfort
  - Commercial Algorithm, configurable recovery ramps and temporary override button allow users to control at setpoint and guarantee a comfortable environment

<sup>1</sup> If used as directed. Savings may vary depending on geographic region and usage.

<sup>2</sup> Where applicable.

OS Number	Description	Application
TB8220U1003	Commercial VisionPRO® 8000 Programmable Thermostat	<ul style="list-style-type: none"> <li>– 2 Heat/2 Cool Conventional</li> <li>– 3 Heat/2 Cool Heat Pump</li> </ul>

Replacements					Sensor Compatibility	
	Honeywell	White-Rodgers	Invensys/ Robertshaw	Carrier/Totaline		
Commercial VisionPRO® 8000	TB8220U1003	T7300 with Q7300A2016, Q7300A2008, Q7300C2004 and Q7300C2012 Subbase	IF90 Series, IF80 Series	9800 Series, 9700i Series, 300 Series	P374-2100, P374-2200, P374-2300, 33S250-01, 33CS220-01, 33CS071-01, 33CSSP2-WC, 33CSSN2-WC	TR21, TR21-A (averaging), C7772A1012 (flush mount), C7770A1006 (return air duct), C7041P2004 (button sensor)



# CommercialPRO® 7000

## Thermostat

- Large, easy-to-read display
  - Screen size is more than double competitive thermostats in this class, allowing for more information to be displayed on the easy-to-view backlit display
- Saves energy
  - Easy-to-use, menu-driven programming helps your customers save up to 33% off energy bills<sup>1</sup>
- Meets commercial building codes
  - Pre-occupancy Purge, Economizer Output, and Override Limits meet all fresh air and override limitation requirements
  - Qualifies for utility rebates<sup>2</sup>
  - Title 24/IECC/ASHRAE codes
- Multiple lockout levels
  - Save energy and money by preventing unauthorized setting changes
- Compatible with auxiliary commercial devices
  - Commercial sensors
  - Economizers
- Commercial comfort
  - Commercial Algorithm, configurable recovery ramps and temporary override button allow users to control at setpoint and guarantee a comfortable environment

<sup>1</sup> If used as directed. Savings may vary depending on geographic region and usage.

<sup>2</sup> Where applicable.

OS Number	Description	Application
TB7220U1012	CommercialPRO® 7000 Programmable Thermostat	<ul style="list-style-type: none"> <li>– 2 Heat/2 Cool Conventional</li> <li>– 3 Heat/2 Cool Heat Pump</li> </ul>

Replacements					Sensor Compatibility	
	Honeywell	White-Rodgers	Invensys/ Robertshaw	Carrier/Totaline		
CommercialPRO® 7000	TB7220U1012	T7300 with Q7300A2016, Q7300A2008, Q7300C2004 and Q7300C2012	IF90 Series, IF80 Series	9800 Series, 9700i Series, 300 Series	P374-2100, P374-2200, P374-2300, 33S250-01, 33CS220-01, 33CS071-01, 33CSSP2-WC, 33CSSN2-WC	TR21, TR21-A (averaging), C7772A1012 (flush mount), C7770A1006 (return air duct), C7041P2004 (button sensor)



## MultiPRO™ 7000

### Multispeed and Multipurpose Thermostat

- Large, easy-to-read display
  - Screen size is more than double competitive thermostats in this class, allowing for more information to be displayed on the easy-to-view backlit display.
- Programmable or non-programmable modes
- Saves energy
  - Effortless programming helps your customers save up to 33% off their energy bill<sup>1</sup>
  - Remote setback input for occupancy sensors or timeclocks
  - VersaSpeed™ fan ramping algorithm and auto fan reset algorithm (fan coil and PTAC applications)
- Multiple lockout levels
  - Save energy and money by preventing unauthorized setting changes
- Compatible with commercial sensors
- Commercial comfort
  - Commercial Algorithm, configurable recovery ramps and temporary override button allow users to control at setpoint and guarantee a comfortable environment
- Multispeed and Multipurpose
  - 1 Heat/1 Cool Conventional (single speed)
  - 2 Heat/1 Cool Heat Pump (single speed)
  - 2 Heat/1 Cool PTAC (2 speeds)
  - 2 or 4-pipe Fan Coil (3 speeds)

<sup>1</sup> If used as directed. Savings may vary depending on geographic region and usage.

OS Number	Description	Application
TB7100A1000	MultiPRO™ Multispeed and Multipurpose Thermostat	1 Heat/1 Cool Conventional, 2 Heat/1 Cool Heat Pump, 2 Heat/1 Cool PTAC Systems and 2 or 4-pipe Fan Coil

Replacements						Sensor Compatibility	
	Honeywell	White-Rodgers	Invensys/ Robertshaw	Carrier/Totaline	PSG Controls		
MultiPRO™	TB7100A1000	T8574B2016, T8575B2007, T8575C2005, T8575D2003	IF90-371, IF96-344, IF97-371, IF80-224, IF80-241, IF80-261, IF86-244, IF87-251, IF82-261, IF89-211	97012, 9610, 9700i, 300-224, 300-225, 300-226,	P274-0100, P274-1100, P374-0200, P374-0300	DFC-20YU6585F, DPFC-024U2F, DPFC-024K2F, TDMS24-AH22CB	TR21, TR21-A C7772A1012 (flush mount), C7770A1006 (return air duct), C7041P2004 (button sensor)



# Private Label Program

## Associate Your Company Name With The Honeywell Brand

- Give your customers the quality and reliability of a Honeywell thermostat
- Let customers know who to call for future HVAC needs
- Up to three full lines of personalization — imprinted directly on the thermostat cover
- Low minimum order quantities — starting at just 48 units
- No annual volume commitments
- Fastest turn-time in the industry — imprint approval in 5 days or less, all orders shipped in 10 days or less\*



\* Provided all program conditions are met.  
Based on product availability.

## Program Details

	MIN. ORDER QUANTITY	ORDER PROCESS*	IMPRINT FEE
Initial Orders	48 Units	Through Web site customer.honeywell.com	None
Re-Orders	24 Units	Through Web site customer.honeywell.com	None

### Distributor Instructions

Before you begin creating a private label, set up a unique product part number(s) for your customer in your system.

- The part number(s) that you assign must be unique to each customer and each product.
- Maximum of 18 characters per distributor part number. Part numbers must be upper case with no spaces. (For example: TB8220CLIMATRON).
- Do not use Honeywell part number(s) for your customer part numbers. We suggest using a variation such as the example above.
- You must use your distributor part number when ordering private label units.

### Web Setup

#### Free setup on all orders placed through customer.honeywell.com

Log on to customer.honeywell.com using your Distributor Account Number and password\* and click on the “Private Label Program” link in the right-hand column of the screen. Click on the “Create New Label” link on the secondary menu bar at the top of the screen.

#### Step 1: Create a Label

- Select the font type.
- Type in your customer’s information exactly as they would like it to appear on their thermostats.
- Preview and submit your label when complete.

#### Step 2: Part Number Setup

- Select the Honeywell thermostat part numbers from the drop-down menu (the description will automatically populate).
- Enter in your customer’s unique part number(s).
- Submit for approval and print a copy for your records.
- You will receive approval from Honeywell within 5 days of submittal that part number(s) have been set up and product is available to order.

#### Step 3: Place Your Order

- Place an order (using your customer’s unique part number) after receiving both e-mail confirmations from Honeywell that your label and part number(s) have been approved.

\*Contact Honeywell customer care with any questions relating to logging on to customer.honeywell.com.

ALL PRIVATE LABEL ORDERS REQUIRE A MINIMUM INITIAL ORDER QUANTITY OF 48 UNITS. Mix/match is allowed to reach 48 minimum initial order quantity, but must contain a minimum of 24 units per part number. Mix and match products include Commercial VisionPRO®, VisionPRO®, CommercialPRO®, FocusPRO and PRO model families. Please refer to customer.honeywell.com for full OS numbers. Orders must be placed in case quantities of 12. Re-order quantity is 24 units (must be the same part number). Private label orders are non-cancelable.

All private label orders will require a 10-day lead time — from the time submitted label artwork is approved and a purchase order is received from the Wholesaler/Distributor to the time the private label product is shipped by Honeywell. All private label orders will be shipped directly to the Wholesaler/Distributor. Honeywell will not hold any inventory on private label product. Any change in the label will be treated as a new label creation and the approval process must be followed in total. Coordination will be required for the transition, including purchasing existing stock of customer parts. All private label requests must conform to the standards set by Honeywell. Honeywell reserves the right to deny any private label request as its own discretion. Any inventory in the channel (in the factory, in the warehouse or in transit) is the responsibility of the Wholesaler/Distributor. Honeywell will not be liable for any inventory in the channel. By ordering private label products, you are agreeing to the terms stated in this program description. Honeywell reserves the right to change or cancel this program without notice.



## After-Hours Control in Office Buildings

- The Override button can be configured for a length of time (1, 2, 3, 4 hours) and can be configured for an exact override setpoint through the use of the lockout level set-up and the temperature range stop setup. A user may override to an exact setpoint or be given a setpoint range to choose from.
- Provides comfort during after-hours occupancy while maintaining energy savings after the tenant leaves the building.



## Schools – Individual Zone Control

- Cancel Period button allows thermostat to remain in permanent unoccupied mode to provide energy savings for school classrooms not being used.
- Teachers wanting to use a classroom press the Override button and the thermostat enters the occupied period providing the necessary comfort.
- The Override button can be configured for a length of time (1, 2, 3, 4 hours) and can be configured for an exact override setpoint through the use of the lockout level setup and the temperature range stop setup. A user may override to an exact setpoint or be given a setpoint range to choose from.
- During long holidays or during summer vacation, the thermostat can be programmed with the Holiday button to provide the greatest amount of energy savings.



## Restaurant/Food Service Control

- Honeywell's Commercial Algorithm provides the best comfort control to react to the challenging environments of food service and restaurant environments. The commercial algorithm is tuned to provide the tightest comfort control and react quickly to changing load demands via fast-sensing time constants.
- Economizer function allows restaurants to meet the appropriate ventilation requirements and is also important to balance the air intake of the restaurant. Restaurants that are not properly balanced do not achieve good comfort control as they draw in unconditioned air.
- Remote sensing configuration options allow the use of commercial 10K ohm and 20K ohm sensors to provide any remote sensing combination (1 to 9+ sensors) to create an averaging network.

## Condominiums/Hotels

- Honeywell's MultiPRO™ thermostat uses the patent pending VersaSpeed™ fan ramping algorithm to give multiunit facilities such as hotels, condos, dorms and retirement facilities more control and additional savings through the elimination of unnecessary energy use.
- The fan coil and PTAC applications on the MultiPRO™ make it a perfect thermostat for hotels or condominiums. (See our SuitePRO™ thermostat, too)

## Economizer Integration

- Compatible with Honeywell Economizer controllers, which generate free cooling if appropriate outside air and/or humidity conditions exist. (Not available on MultiPRO™)
- Thermostats are integrated with economizers to maintain minimum ventilation requirements of the building during occupied periods. During unoccupied periods, thermostats can override the economizer to fully close the damper, thereby eliminating air infiltration into the building to maximize energy savings.

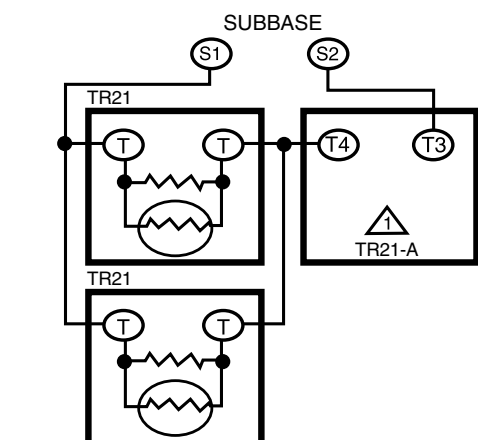
OS Number	Benefit
TB8220U1003	Energy Savings, Comfort, Fresh Air
TB7220U1012	Energy Savings, Comfort, Fresh Air
TB7100A1000	Energy Savings, Comfort and Versatility

## Remote Sensing

Can be configured using Honeywell's line of 10K ohm and 20K ohm commercial sensors, supporting the following applications that residential thermostats don't:

- Temperature Averaging Networks

Because commercial thermostats can be configured to a 20K ohm network, temperature average networks of anywhere from 1 to 9+ sensors can be deployed. Combinations of 10K ohm and 20K ohm sensors are used to create the averaging network. The most popular sensors are the TR21 and TR21-A (averaging) 10K sensor and the TR21 and TR21-A 20K sensor.



- Room Temperature Control

Performed via a sensing network using the following sensors:

- Wall Sensors: TR21-A (10K) for averaging only, TR21 (20K), C7189U1005 (10K)
- Flush Mount Sensors: C7772A1012 (20K)
- Button Sensors: C7041P (20K)

- Duct Return Temperature Control

Performed using the following 20K sensors: C7041B/C7041C/C7770A/C7041J

## Unit Vent

- Can be programmed to control ASHRAE Cycle 1 unit vent applications.
- Unit vent outside-air damper can be programmed through the Economizer feature. When the unit vent is on and occupied, the thermostat will enable the economizer relay to keep the outside air damper at the maximum percentage opening. Only maximum percentage opening is available; the thermostat will not modulate the damper. When the unit vent is unoccupied, the thermostat will close the damper.
- Range Stop feature can be configured to program a low limit setpoint to prevent equipment damage from freezing.

## Commercial Codes

- Comply with commercial building codes and meet the most rigorous standard, California's Title 24.
- No hold button is available, so the thermostat remains in permanent schedule.
- Override button allows the tenant to override an unoccupied mode for up to 4 hours and can be configured for an exact override setpoint. Depending on the partial lockout level deployed, a user may override to an exact setpoint or be given a setpoint range to choose from.
- Pre-Occupancy Purge and Economizer functions allow the building owner to meet all HVAC ventilation codes for commercial buildings.

## Lighting Load Reduction (TOD)

- Commercial buildings are frequently automated to turn off lighting loads. Lighting loads can use even more energy than HVAC systems in commercial buildings, and 79% of commercial buildings have off-hours lighting load reduction control. By using the time-of-day relay (TOD) in conjunction with a lighting control system, users can automate their lighting loads. (Not available on MultiPRO™)



## ZonePRO®

### Commercial Modulating Zoning Thermostat

- Good looks
  - Many thermostats used for this application look very outdated, but the ZonePRO® is modern and attractive
- Price
  - Very cost-effective alternative to an expensive networked zoning system
- Flexibility
  - Has more features and fits more applications than other thermostats in this market (setback input, additional analog and triac output on the B models)
  - Duct sensor and remote sensor capabilities are standard, allowing flexibility to do room temperature sensing, discharge air control, sensor averaging
- Easy to install
  - Easy to wire
  - Easy to program the configuration code
  - Power output graph helps the installer understand if the actuator is operating properly
- Saves energy
  - Override button and night setback
  - Range stop temperature limits
  - System control modes such as fresh air control and limited cooling modes

OS Number	Schedule Options		User Interface	Output Type	Universal Applications	Power Method	Features and Functions					Compatible Actuators	Compatible Valves	Sensors and Accessories	Replaces	
	Program Options	Temporary Override		Modulating and Floating			Permanent Memory Retention	Night Setback	Range Stops	Power Output Graph	Remote Sensing	On-Demand Backlighting				
TB6980A1007	Non-Programmable with Night Setback input	Yes	Digital	Floating, Single Output	Auto Changeover, Discharge Air Temperature, Return Air Temperature, Room Temperature, Limited Cooling	24VAC	Yes	Yes	Yes	Yes	Yes (indoor, outdoor, supply)	Yes	ML6984A1006, ML6420, ML6161B2024, MN6105A1011	VC6930, VC6934, VC6936, M6410, M6435	R841 Series of electromechanical relays, 50014157-001 air duct sensor, 50014156-002 space sensor, ST6008A1003 and ST7009A1003 time clocks, 209651A wall plate, D640 and D690 dampers	T6984A1059
TB6980B1006				Floating, Multi Output (extra analog and digital output)												T6984D1046, T6984E1043
TB7980A1006				Analog (0-10V or 2-10V), Single Output												T7984A1057, T7984A1065
TB7980B1005				Analog (0-10V or 2-10V), Multi Output (extra analog and digital output)												T7984B1055, T7984C1053

# ZonePRO® Applications

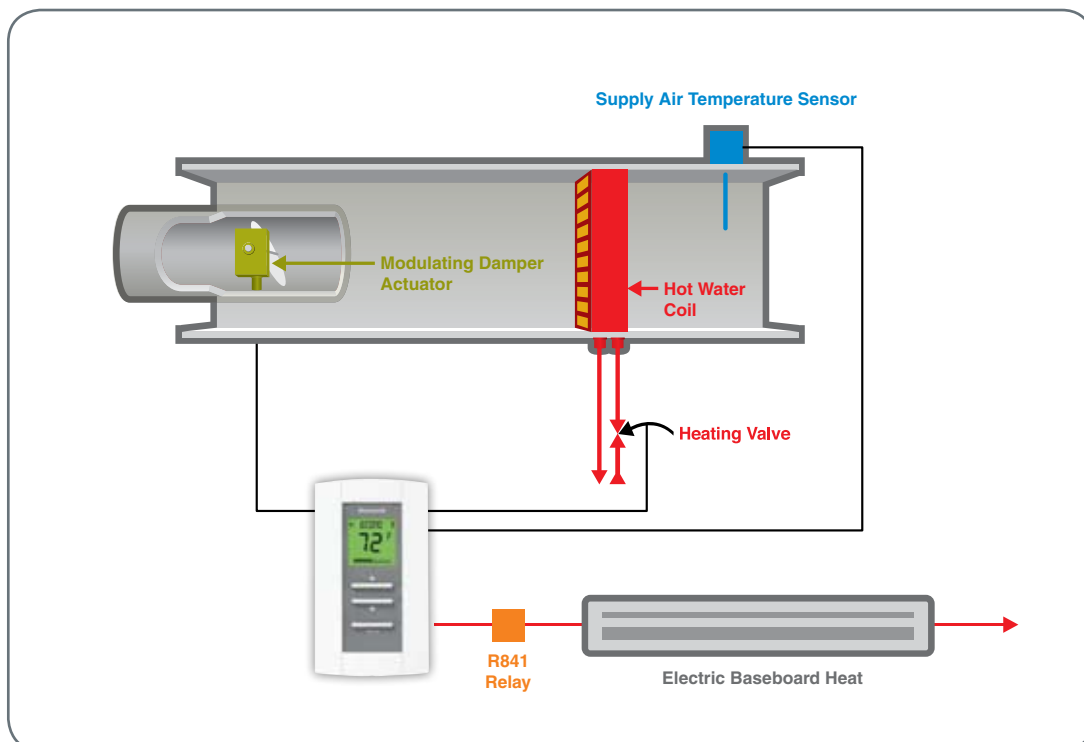
## Stand-Alone VAV Pressure Dependent (VVT Zoning) Control

- Typical building applications include zoning for office buildings, airports, strip malls and multi-tenant facilities that have multiple terminal zones that run off of a single air-handler.
- Thermostats provide modulating control (floating or analog) for each zone.
- Can be configured for cool only, heat only or auto changeover. Up to 2 re-heat outputs are available if the discharge air from the air handler needs to be heated at the zone (B models).
- Remote sensors are compatible with all ZonePRO models if remote room sensing or return air temperature sensing is desired.
- May also be used at the air handler to control the temperature of the fresh air supply or provide limited cooling using outdoor air when appropriate.
- All ZonePRO thermostats come with energy-saving range stop and night setback configurability.

## Hydronic Control & Modulating Heating

- Can be used for modulating hydronic heating or cooling applications.
- Other common applications include radiant panel heaters, cabinet heaters, fin-tube radiators and other electric or hydronic re-heat applications.

TB7980B1005: Cooling Only Pressure Dependent VAV Zone Reheat and Electric Baseboard Heat





# Other Thermostats

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## Line Volt

- Simple interface for control of line voltage heaters
  - Easy for occupants to read and change setpoints

T651A3018 — Degree F scale, for heavy-duty line voltage heating systems

T651A3026 — Degree C scale, for heavy-duty line voltage heating systems

T451A3005 — Degree F scale, for light-duty line voltage heating systems



## Pneumatic

- Large replacement market
  - Large installed base, popular proven design for pneumatic systems

**Go to [customer.honeywell.com](http://customer.honeywell.com) for a list of all model numbers and accessories.**



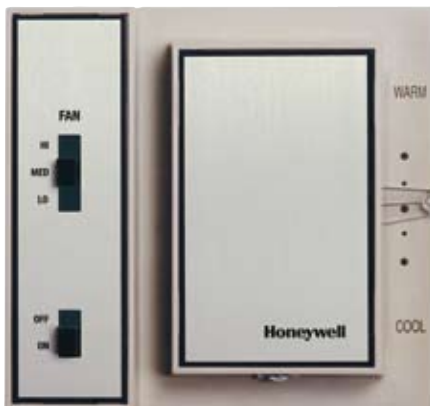
## SuitePRO™ Digital Fan Coil

- Energy savings, aesthetic appeal, and easy to install

TB6575A1000— 2/4 pipe 120/240V fan coil thermostat with manual or auto changeover

TB6575B1000— 2 pipe only 120/240V fan coil thermostat with manual or seasonal changeover

TB8575A1000— 2/4 pipe 24V fan coil thermostat with manual or auto changeover



## Electromechanical Fan Coil

- Popular for the replacement market
  - Large installed base, popular proven mechanical design

T4039B1008 — 2/4 pipe 24 V electromechanical fan coil thermostat





T4039M1004 — 2/4 pipe 24 V electromechanical fan coil thermostat with positive off

T4039M1103 — 2/4 pipe 24 V electromechanical fan coil thermostat with positive off (white color) with automatic changeover and fan auto switch

T6169C4015 — 2 pipe fan coil, manual or auto changeover

T6169B4017 — 2 pipe fan coil, manual heat-cool changeover, no fan switching

# Honeywell Thermostat Cross-Reference Chart

Model		Schedule Options				User Interface	Application				Power Method	Features			
		Program Options	ENERGY STAR®	Temporary Override	Holiday		Conventional	Heat Pump	Modulating	Fan Coil	PTAC	Real Time Clock (Automatically Updates Daylight Savings)	Permanent Memory Retention	Recovery Ramps	LonWorks® Communicating Capability
	T7351F2010	365-Day	Yes	Yes	Yes	Soft Keys	3 Heat/ 3 Cool or 2 Heat/ 4 Cool	3 Heat/ 2 Cool	No		24 Vac	Yes	Yes	Yes	No
	TB8220U1003	7-Day	Yes	Yes (Cumulative)	Yes	Touch-screen	2 Heat/ 2 Cool	3 Heat/ 2 Cool	No		24 Vac or Battery	Yes	Yes	Yes	No
	TB7220U1012	7-Day	Yes	Yes (Cumulative)	Yes	Soft Keys	2 Heat/ 2 Cool	3 Heat/ 2 Cool	No		24 Vac or Battery	Yes	Yes	Yes	No
	TB7100A1000	7-Day	Yes	Yes (Cumulative)	Yes	Soft Keys	1 Heat/ 1 Cool	2 Heat/ 1 Cool	No	2 or 4-pipe	2 Heat/ 1 Cool	24 Vac or Battery	Yes	Yes	No

Features and Functions					Display Information			Warranty	Replacements					Sensor Compatibility
Economizer Output	Multiple Keypad Lockout Levels	Dehumidification Control	Remote Sensing	Display Size (Viewable)	On-Demand Backlighting	Continuous Backlighting	Simultaneous Display of Room and Set Temperature		Honeywell	White-Rodgers	Invensys/Robertshaw	Carrier/Totaline	TCS Basys	
Yes	Yes (4)	Yes	Yes (Indoor, Outdoor, Discharge, Humidity, Occupancy)	4.2 sq. in.	No	Yes	No	1 Year	All T7300s with non-Q7300H subbases	All White-Rodgers Thermostats	All Invensys/Robertshaw Thermostats	All Carrier/Totaline Thermostats	SZ1022, SZ1024, SZ1031, SZ1033, SZ1035, SZ1009	T7771A1005, TR21, TR21-A (averaging), TR22, TR23, TR24, C7772A1012 (flush mount), C7770A1006 (return air duct), C7041P2004 (button sensor)
Yes	Yes (4)	No	Yes (Indoor or Outdoor)	10 sq. in.	Yes	Yes	Yes	5 Years	T7300 with Q7300A2016, Q7300A2008, Q7300C2004 and Q7300C2012 subbase	1F90 series, 1F80 series	9800 series, 9700i series, 300 series	P374-2100, P374-2200, P374-2300, 33CS250-01, 33CS220-01, 33CS071-01, 33CSP2-WC, 33CSSN2-WC		TR21, TR21-A (averaging), C7772A1012 (flush mount), C7770A1006 (return air duct), C7041P2004 (button sensor)
Yes	Yes (4)	No	Yes (Indoor or Outdoor)	4 sq. in.	Yes	Yes	Yes	2 Years	T7300 with Q7300A2016, Q7300A2008, Q7300C2004 and Q7300C2012 subbase	1F90 series, 1F80 series	9800 series, 9700i series, 300 series	P374-2100, P374-2200, P374-2300, 33CS250-01, 33CS220-01, 33CS071-01, 33CSP2-WC, 33CSSN2-WC		TR21, TR21-A (averaging), C7772A1012 (flush mount), C7770A1006 (return air duct), C7041P2004 (button sensor)
No	Yes (5)	No	Yes (Indoor or Occupancy)	4 sq. in.	Yes	Yes	Yes	2 Years	T8574B2016, T8575B2007, T8575C2005, T8575D2003	IF90-371, IF96-344, IF97-371, IF80-224, IF80-241, IF80-261, IF86-244, IF87-251, IF82-261, IF89-211	97012, 9610, 9700i, 300-224, 300-225, 300-226,	P274-0100, P274-1100, P374-0200, P374-0300	SZ1-61, SZ1062	TR21, TR21-A (averaging), C7772A1012 (flush mount), C7770A1006 (return air duct), C7041P2004 (button sensor)



C7041P



C7041C



C7772A1012



T7771A1005 Remote Wall Sensor



TR22 Remote Wall Sensor



C7031G2014 3K Platinum Outdoor Air Sensor



Economizer

## Remote Room Temperature and Discharge Air Sensors

- Full line of remote wall sensors
- Gives user the option to have setpoint knobs/buttons, override button or sensor only
- Flush mount versions are available for high traffic areas where protruding objects would get broken

C7189U1005 — 10K sensor

C7041D — 20K immersion sensor

C7772A1012 — 20K flush mount sensor

C7041K — 20K strap-on sensor

C7041B — 20K duct mount sensor

C7041P — 20K button sensor

C7041C — 20K duct mount sensor

C7770A — 20K duct mount sensor

## Remote Sensors Compatible with the T7351F

Honeywell has a full line of remote sensors that are compatible with the T7351F.

Remote Room Sensors	
TR21	20K
TR21-A	10K Averaging
TR22	20K, ±5° Setpoint Adj.
TR23	20K, ±5° Setpoint Adj. & Bypass
TR24	20K, Bypass
T7771A1005	10K/20K, ±3° Setpoint Adj. & Bypass
C7770A1006	Return Air Duct
C7041P2004	Button
C7189U1005	Remote Indoor
C7772A1012	20K Flush Mount Sensor

Remote Humidity Sensors	
H7625A1008	2% Accuracy Wall Mount
H7625B1006	2% Accuracy Duct Mount
H7635A1006	3% Accuracy Wall Mount
H7635B1004	3% Accuracy Duct Mount
H7635C1002	3% Accuracy Outdoor
H7655A1001	5% Accuracy Wall Mount - Humidity only
H7655B1009	5% Accuracy Duct Mount

Discharge Air Sensors	
C7041B2005	20K Discharge Air, 5" Duct Insertion
C7041B2013	20K Discharge Air, 12" Duct Insertion

Outdoor Air Sensors	
C7031G2014	3K Platinum Outdoor Air Sensor
C7170A1002	3K Platinum Outdoor Air Sensor
C7089U1006	C7089 Remote Outdoor Sensor

Remote Pipe Sensor	
PS20	20K Analog Pipe

## Economizers Compatible with the T7351F, CVP and CP

Honeywell has a range of economizer controls that are compatible with the T7351F, Commercial VisionPRO and Commercial PRO thermostats. These economizers save energy by bringing in cool outdoor air when there is a need for cooling and some models also adjust outdoor damper position based on indoor air quality (CO<sub>2</sub>) for demand control ventilation.

- W7459, W7210 (economizer only)
- W7212, W7213, W7214 (economizer and Demand Control Ventilation)

The Demand Control Ventilation economizers listed above have the latest features, including indoor air quality maximum output, night setback terminal and they drive a 2- to 10-volt motor.





**Learn More**

For more information on Honeywell Commercial Thermostats, contact your local Honeywell authorized distributor, call **1-763-954-6464** or visit [customer.honeywell.com](http://customer.honeywell.com).

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