Residential and Light Commercial Products

Honeywell

Application Selection and Cross-Reference Guide

Why Honeywell?

Support

Free Sales Literature

Customize and order product literature, build direct mail campaigns, download AD slicks and take advantage of cost-savings for your business by leveraging Honeywell's free sales literature program at www.literature.honeywell.com

Customer Service

Honeywell provides toll-free access to product application, installation and support experts.

Customer Service: 1-800-468-1502

TrueSTEAM Hotline: 1-800-814-9452

Zoning Hotline: 1-800-828-8367

Aquatrol Hydronic Hotline: 1-800-318-0815

Wi-Fi/RedLINK Hotline: 1-855-RED-LINK (1-855-733-5465)

Training

From in the classroom to over the web, Honeywell offers a host of world-class training solutions. Visit www.forwardthinking.honeywell.com/training to learn more

Online Tools

Find everything you need to be successful in selling Honeywell products online. Product information, cross-references, demos and more are available at customer.honeywell.com.
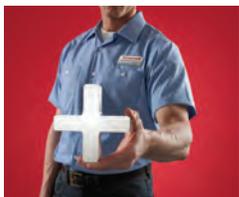
Rewards

Honeywell's Contractor PRO™ Rewards program gives contractors reward points ($) back on all Honeywell purchases year round at contractorpro.com.

Table of Contents

Products

Exclusive Features and Warranties

Honeywell products feature exclusives you won't find with other brands, like RedLINK™ Wireless Technology as well as the industry's best warranties — up to 5 years.

Get Totally Connected

Total Connect Comfort Services

Total Connect Comfort services provides access to remotely monitor and manage residential or light commercial heating and cooling systems - at anytime, from anywhere - through a PC, smart phone or tablet device. And, Total Connect is supported by both Wi-Fi and the exclusive RedLINK™ wireless technology from Honeywell.

Every time your customer visits the Total Connect Comfort web portal, or accesses the app a mobile device, they can:
- View and change your HVAC system settings
- View and set the temperature
- View indoor humidity
- View outdoor temperature and humidity
- Access multiple thermostats if your system is zoned
- Access multiple locations if more than one system is registered
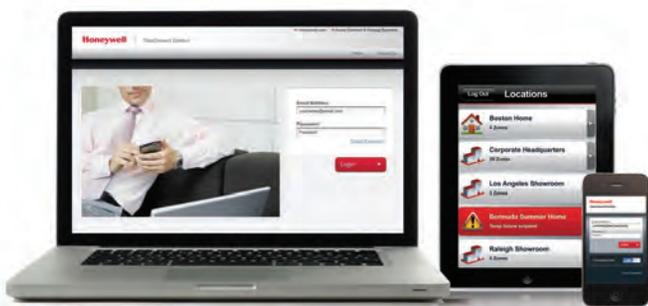
*Free apps are available for Apple iPhone, iPad and iPod touch devices at time of release.
Check www.mytotalconnectcomfort.com for more mobile applications coming soon

TrueSTEAM™

TrueZONE™
Panel

Equipment
Interface Module

Wireless
Adapter

EConnect™

| Redesigned Prestige® IAQ Comfort System | All New VisionPRO® | RedLINK™ Internet Gateway | Portable Comfort Control | Wireless Outdoor Sensor | Equipment Interface Module | Entry/Exit Remote Sensors | Wireless Indoor Sensor | Return Air Sensor/ Discharge Air Sensor |

RedLINK™ Wireless Systems

Honeywell's RedLINK Technology Makes It Possible

Honeywell engineers built upon their already proven wireless security system technology to create RedLINK – wireless technology designed specifically for HVAC residential and light commercial applications.

Now, Honeywell's exclusive RedLINK Wireless Technology – and our full-suite of wireless-enabled comfort systems – help you better meet your customer's comfort needs and connect you to expanded business opportunities.

- Connects to the Internet
- Eliminates the need to run wires in many applications
- Helps end users stay connected to their home or business whether they're across the street or half way around the world
- Works every time – signal is tested and proven to work through all building materials up to 6500 square feet, making it an excellent solution for light commercial jobs
- Zero interference with other wireless devices
- Internal safeguards continuously self-check the signal so it's never lost

RedLINK Internet Gateway with Total Connect Comfort Services

- Connects any RedLINK™ Comfort System to the Internet to provide your customers with remote access from their PC, smart phone or tablet*
- Works with any Prestige IAQ, Prestige, All New VisionPRO, Wireless FocusPRO and EConnect
- Allows users to remotely monitor and control their heating and cooling systems
- No monthly fee, free app download
- View/change system settings and access multiple systems/zones
- Provides alerts via email when temperature or humidity limits are surpassed
- Upgrades automatically as new features become available
- 5-Year Warranty on RedLINK Internet Gateway

RedLINK™ is Reliability.

Honeywell   5

RedLINK™ Wireless Products

Redesigned Prestige® IAQ

- 7-day programmable
- RedLINK technology
- 60% smaller than Prestige 2.0 and available in 4 colors
- Delta T Alerts and Diagnostics inform customers when their system is not operating as expected
- Residential or Light Commercial use
- User Interaction Log provides a searchable history of setting changes
- Assignable outputs for Indoor Air Quality and staging control
- Selectable staging options
- Customizable service reminders
- Up to 4H/2C Heat Pump or 3H/2C Conventional Systems
- Smart Schedule - programs in seconds for any lifestyle
- Works with RedLINK accessories
- 5-Year Limited Warranty

Prestige® 2.0 Comfort Systems

- Residential or Light Commercial use
- User Interaction Log provides a searchable history of setting changes
- Assignable outputs for Indoor Air Quality and staging control
- Selectable staging options
- Customizable service reminders
- Up to 3H/2C Heat Pump or 2H/2C Conventional Systems
- Smart Schedule - programs in seconds for any lifestyle
- Works with RedLINK accessories
- 5-Year Limited Warranty

The All-New VisionPRO® 8000

- Works with RedLINK accessories
- Residential or Light Commercial use
- Micro SD port for quick installer setup
- Plain language setup, no manual needed
- On screen dealer information
- Smart Schedule - programs in seconds for any lifestyle
- Dual powered - battery or hard wired
- Up to 3 Heat/2 Cool Heat Pump* or Up to 2 Heat/2 Cool Conventional*
- Up to 4 Heat/2 Cool Heat Pump or Up to 3 Heat/ 2 Cool Conventional when used with the Equipment Interface Module
- 5-Year Limited Warranty

Wireless FocusPRO® Systems

- Connects to the Internet when used with RedLINK Internet Gateway
- Wireless communication with to Equipment Interface Module
- Relocate a thermostat or upgrade equipment without running new wires
- RedLINK-enabled to work with the Portable Comfort Control and Wireless Outdoor Sensor
- Displays outdoor temperature and humidity
- Up to 3H/2C heat pump or up to 2H/2C conventional

EConnect™ Wireless Comfort Control System

- RedLINK™-enabled wireless thermostat for electric heat
- Brings control from the floor to the wall for optimal sensing and comfort
- Compatible with baseboards, convectors, and fan-forced heaters
- Equipment Interface Module powered with existing wires at the heating device
- One thermostat controls up to eight baseboards in a single room
- Works with Portable Comfort Control and Wireless Outdoor Air Sensor
- 3-Year Limited Warranty

Wireless TrueSTEAM™

- Honeywell's innovative TrueSTEAM™ humidifiers are now RedLINK-enabled
- Add a Wireless Adapter to TrueSTEAM to communicate and control humidity from the Redesigned Prestige IAQ, Prestige 2.0 or All-New VisionPRO without running wires to the living space
- Communicates with the Wireless Outdoor Sensor to automatically control humidity to proper levels
- 5-Year Limited Warranty

Wireless Zoning Systems

- TrueZONE® HZ432 or HZ322 panels are RedLINK-enabled
- Add a Wireless Adapter to communicate to a Wireless FocusPRO Prestige IAQ, Prestige 2.0 or All-New VisionPRO without running wires
- Works with the Portable Comfort Control to conveniently control every zone from one device
- Works with the Wireless Outdoor Air Sensor to display outdoor temperature and humidity on all RedLINK-enabled devices
- 5-Year Limited Warranty

RedLINK™ Accessories

Connect to more sales with accessories. RedLINK accessories give homeowners the option of customizing their RedLINK Wireless Comfort System to achieve their control, comfort and convenience needs. With installation that requires no more than a few minutes and the touch of a button, RedLINK offers you the opportunity to increase profitability through add-on sales.

RedLINK Internet Gateway
THM6000R1002

- Connects any RedLINK™ Comfort System to the Internet to provide your customers with remote access from their PC, smart phone or tablet
- No monthly fee, free app download
- Works with any Prestige IAQ /Prestige, All-New VisionPRO, Wireless FocusPRO and EConnect™
- View/change system settings and access multiple systems/zones
- Allows users to remotely monitor and control their heating and cooling systems, including humidification and dehumidification – at anytime, from anywhere
- Provides over 90 alerts through the Total Connect Comfort website
- Upgrades automatically as new features become available

Wireless Indoor Air Sensor
C7189R1004

- Works with the Redesigned Prestige IAQ, Prestige 2.0 and All-New VisionPRO
- Manages temperature and humidity separately
- Changes the sensing location of the thermostat
- Averages temperature for more even comfort control
- Humidifies and dehumidifies separate spaces
- Use up to six sensors per thermostat

Wireless Outdoor Air Sensor
C7089R1013

- Installs wirelessly with two simple screws and a touch of a button
- Displays outdoor temperature and humidity on all RedLINK-enabled devices
- Weather-resistant cover and lithium batteries for reliable performance in every climate
- Up to a 5 year battery life

Portable Comfort Control
REM5000R1001

- Conveniently control temperature from any room
- Works with all RedLINK thermostats
- Displays outdoor temperature and humidity when used with a Wireless Outdoor Air Sensor
- With zoning - change the temperature in any zone from one device
- Can be paged with an audible noise from any RedLINK-enabled thermostat

Return/Discharge Air Temperature Sensor
C7735A1000

- Works with Redesigned Prestige IAQ, All-New VisionPRO and Wireless FocusPRO
- Provides Delta T alerts and diagnostics when used with Redesigned Prestige IAQ
- Return Air Sensor and Equipment Interface Module provides backup control of non-zoned RedLINK wireless systems
- Prevents icing on the air conditioning A-coil by burning off the compressor when the A-Coil low cutoff limit is reached on the Redesigned Prestige IAQ and All-New VisionPRO
- Allows the Redesigned Prestige IAQ and All-New VisionPRO to control humidification in the cool mode for desert climates

Equipment Interface Module
THM5421R1021

- Control heating, cooling and IAQ equipment with only 2 wires at the thermostat
- Heating, cooling and IAQ equipment wires to the Equipment Interface Module
- Used with the Redesigned Prestige IAQ and the All-New VisionPRO
- Vertical mounting
- Hardwired with screw terminals
- Up to 4H/2C Heat Pump or up to 3H/2C Conventional

EIM with Return/Discharge Air Temperature Sensors
YTHM5421R1010

- Control heating, cooling and IAQ equipment with only 2 wires at the thermostat. Heating, cooling and IAQ equipment wires to the Equipment Interface Module
- Includes THM5421R1021 Equipment Interface Module and two C7735A1000 Duct Sensors
- Used with the Redesigned Prestige IAQ
- Hardwired with screw terminals
- Up to 4H/2C Heat Pump or up to 3H/2C Conventional

Equipment Interface Module
THM5320R1000

- Easily relocate thermostat or upgrade equipment without running new wires using this module and a wireless FocusPRO® thermostat
- Powered by RedLINK™ reliability
- No interference with other wireless devices in the home
- Works with TH6320R1004 or TH5320R1002 Wireless FocusPRO® thermostats
- Up to 3 Heat/2 Cool Heat Pump or Up to 2 Heat/2 Cool Conventional
- Input for Return Air Sensor
- Quick-connect terminal blocks

Wireless Adapter
THM4000R1000

- Wireless Adapters allows easy addition of RedLINK™ enabled thermostats to TrueZONE™ systems.
- Add wireless humidity control with RedLINK-enabled TrueSTEAM. Works with Redesigned Prestige IAQ, Prestige 2.0 and the All-New VisionPRO

Wireless Entry/Exit Remote
REM1000R1003

- Works with the Redesigned Prestige IAQ, Prestige 2.0 and All-New VisionPRO
- Easily setback and recover thermostat control from anywhere in the home or building
- Ideal for managing your comfort and energy consumption especially with inconsistent schedules
- Interchangeable commercial / residential cover plates included
- One (1) Entry/Exit Remote can control up to sixteen (16) thermostats
- Each Redesigned Prestige IAQ, Prestige 2.0 or All-New VisionPRO thermostat can be linked to up to three (3) Entry/Exit Remotes

Wireless Vent and Filter Remote
HVC20A1000

- Works with the Redesigned Prestige IAQ, Prestige 2.0 and All-New VisionPRO
- Locate wireless boost remotes anywhere in the home where added ventilation is needed such as bathrooms, kitchens, basements or laundry rooms
- One-touch 20-40-60 minute ventilation and filtration boosts
- Up to six (6) Vent and Filter Boost Remotes can be connected to each RedLINK system
- Use as a clean air filter boost with or without a ventilator

Honeywell
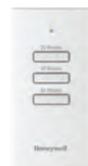
Prestige and All-New VisionPRO Comfort Systems Selection G

	Model	Kit Includes	Stages (Dedicated Terminals)	Common Features		
Redesigned Prestige IAQ						
	YTHX9421R5085	Prestige IAQ System Kit Includes: Prestige IAQ HD Thermostat, Equipment Interface Module (EIM) and two duct sensors for alerts and diagnostics.	Up to 4H/2C Heat Pump & 3H/2C Conventional	**Equipment**	**Commercial**	**Power Supply**
	YTHX9421R5101	Prestige IAQ System Kit Includes: Prestige IAQ HD Thermostat, Equipment Interface Module (EIM),Wireless Outdoor Temperature Sensor and two duct sensors for alerts and diagnostics.		Heat Pump (Geothermal & Air to Air) Forced Warm Air Hot Water Steam/Gravity	Only allows temporary setpoint adjustments to conserve energy Keypad Lockout Initiate Occupancy Connect to the internet (THM6000R1002 required) Remote setback using an occupancy sensor (THM5421R1021 Equipment Interface Module required) Pre-occupancy purge Economizer / Time of Day Commercial Dehumidification Options 365 day Holiday Schedule (Preloaded and up to 25 customer events) Programmable fan Holiday Mode	24 VAC
Prestige 2.0						
	THX9321R5030	Prestige 2.0 HD Thermostat.	Up to 3H/2C Heat Pump & 2H/2C Conventional			
	YTHX9321R5079	Prestige 2.0 System Kit Including: Prestige 2.0 HD Thermostat and Wireless Outdoor Sensor.				
	YTHX9321R5061	Prestige 2.0 System Kit Including: Prestige 2.0 HD Thermostat, Portable Comfort Controland Wireless Outdoor Sensor.				
All New VisionPRO 8000						
	TH8110R1008	RedLINK VisionPRO	1 Heat/1 Cool	**Equipment**	**Commercial**	**Power Supply**
	TH8320R1003	RedLINK VisionPRO	Up to 3 Heat/2 Cool – Heat Pump Up to 2 Heat/2 Cool – Conventional	Heat Pump (Geothermal & Air to Air) Forced Warm Air Hot Water Steam/Gravity	Only allows temporary setpoint adjustments to conserve energy Keypad Lockout Initiate Occupancy Connect to the internet (THM6000R1002 required) Remote setback using an occupancy sensor (THM5421R1021 Equipment Interface Module required) Pre-occupancy purge Economizer/ Time of Day Commercial Dehumidification Options 365 day Holiday Schedule (Preloaded and up to 25 customer events) Programmable fan Vacation Hold	Hard Wired or Battery
	TH8321R1001	RedLINK VisionPRO	Up to 3 Heat/2 Cool – Heat Pump Up to 2 Heat/2 Cool – Conventional			

uide

Home Comfort Solutions

RedLINK Accessories	Programming	Display	Alerts and Diagnostics	Limited Warranty	Wiring Terminals
Displays Outdoor Temperature and Humidity (C7089R1013 Wireless Outdoor Air Sensor Required) Remote Indoor Temperature and Humidity Sensing (C7189R1004 Wireless remote indoor air sensor required) Control indoor temperature and humidity from the internet (THM6000R1002 RedLINK Internet Gateway required) Remote Ventilation and Air Filtration Boost (HVC20A1000 Vent Boost Remote Required) Remote Setback and Comfort control at point of entry/exit (REM1000R1003 Entry/Exit Remote required)	7 Day programmable or Non-Programmable Residential or Commercial	Touchscreen user interface 8 sq. in. display size (viewable) Customizable reminders (calendar and temperature based) Simultaneous display of room and set temperature Real time clock Interview based programming and installer set up USB port for uploading Dealer information and preset installer set up	Alerts using dry contact inputs (THM5421R1021 Equipment Interface Module required) Filter, humidifier pad, and UV lamp replacement reminder User interaction log Alerts log	5-Year	Prestige IAQ – R, C Equipment Interface Module – R, C, W-O/B, W2/AUX1, W3/AUX2, Y, Y2, G, A-L/A, U1, U1, U2, U2, U3, U3, RH, RC, R, C, S1, S1, S2, S2, S3, S3, S4, S4 C, R, Rc, W-O/B, W2-Aux/E, Y, Y2, G, A-L/A, K, U1, U1, U2, U2

RedLINK Accessories	Programming	Display	Alerts and Diagnostics	Limited Warranty	R, Rc, W-O/B, Y, G, C, S1, S1, K
Displays Outdoor Temperature and Humidity (C7089R1013 Wireless Outdoor Air Sensor Required) Temperature control on demand (REM5000R1001 Portable Comfort Control Required) Remote Indoor Temperature and Humidity Sensing (C7189R1004 Wireless remote indoor air sensor required) Control indoor temperature and humidity from the internet (THM6000R1002 RedLINK Internet Gateway required) Remote Ventilation and Air Filtration Boost (HVC20A1000 Vent Boost Remote Required) Remote Setback and Comfort control at point of entry/exit (REM1000R1003 Entry/Exit Remote required)	7 Day programmable or Non-Programmable Residential or Commercial	Touchscreen user interface 10 sq. in. display size (viewable) Customizable reminders (calendar and temperature based) Simultaneous display of room and set temperature Real time clock Interview based programming and installer set up Micro SD port for uploading Dealer information and preset installer set up	Alerts using dry contact inputs (THM5421R1021 Equipment Interface Module required) Filter, humidifier pad, and UV lamp replacement reminder User interaction log Alerts log	5-Year	R, Rc, W-O/B, W2-AUX/E, Y, Y2, A-L/A, G, C, S1, S1, K R, Rc, W-O/B, W2-AUX/E, Y, Y2, A-L/A, G, C, S1, S1, U1, U1, K

Honeywell   11

Wireless FocusPRO Systems (Non-Zoned)

	Model	Kit Includes	Stages (Dedicated Terminals)	
Wireless FocusPRO 6000				
	YTH6320R1122	Wireless FocusPRO System Kit Including: Wireless FocusPRO Thermostat, Equipment Interface Module (EIM), RedLINK Internet Gateway, Wireless Outdoor Sensor and Return Air Sensor	Up to 3H/2C Heat Pump & 2H/2C Conventional	**Equipment** • Heat Pump (Geothermal & Air to Air) • Forced Warm Air • Hot Water • Steam/Gravity • EIM Power Supply 24 VAC • Thermostat Powered by Battery
	YTH6320R1114	Wireless FocusPRO System Kit Including: Wireless FocusPRO Thermostat, Equipment Interface Module (EIM), RedLINK Internet Gateway and Return Air Sensor		
	YTH6320R1001	Wireless FocusPRO System Kit Including: Wireless FocusPRO Thermostat, Equipment Interface Module (EIM), and Return Air Sensor		
Wireless FocusPRO 5000				
	YTH5320R1116	Wireless FocusPRO System Kit Including: Wireless FocusPRO Thermostat, Equipment Interface Module (EIM) RedLINK Internet Gateway, Return Air Sensor	Up to 3H/2C Heat Pump & 2H/2C Conventional	• Heat Pump (Geothermal & Air to Air) • Forced Warm Air • Hot Water • Steam/Gravity • EIM Power Supply 24 VAC • Thermostat Powered by Battery
	YTH5320R1000	Wireless FocusPRO System Kit Including: Wireless FocusPRO Thermostat, Equipment Interface Module (EIM), and Return Air Sensor		

EConnect Wireless Thermostats for Electric Heat

	Model Number			
	YTL9160AR1000	**Equipment** • Baseboard • Convector • Fan Forced Heater **Power Supply** • Thermostat: 2 AA batteries, EIM: Hardwire	**Specifications** • Color - Thermostat: White EIM: comes with White and Light Almond covers • Switching - SPST • Switching method - Relay • Maximum Load - 1500 W @ 120 V, 3000 W @ 240 V • Minimum Load - 50 W @ 120 V, 100 W @ 240 V	**Programming Options** • 7-Day/5-2 Day • Energy Aware • Temporary Override • Permanent Hold Limited Warranty • 3-Year
	YTA7210-AR-SPK			

Common Features				Wiring Terminals
Programming	**Display**	**RedLINK Accessories**	**Limited Warranty**	
5-1-1/5-2	• 5.09 sq in • Simultaneous Display of Room and Set Temperatures • Real Time Clock • Auto or Manual Changeover • Filter, Humidifier Pad and UV Lamp Replacement Reminders • Advanced Dual Fuel Heat Pump Operation	• Portable Comfort Control (REM5000R1001) • Wireless Outdoor Air Sensor (C7089R1013) • Displays Outdoor Temperature and Humidity • RedLINK Internet Gateway (THM6000R1002)	5-Year	C,R,Rc,Rh,W-O/B, W2-Aux/E, Y, Y2, G, L, RAS, RAS
Non-Programmable	• 5.09 sq in • Simultaneous Display of Room and Set Temperatures • Auto or Manual Changeover • Filter, Humidifier Pad and UV Lamp Replacement Reminders • Advanced Dual Fuel Heat Pump Operation	• Wireless Outdoor Air Sensor (C7089R1013) • Displays Outdoor Temperature and Humidity • Portable Comfort Control (REM5000R1001) • Remote Indoor Temperature and Humidity Sensing • RedLINK Internet Gateway (THM6000R1002)	5-Year	C,R,Rc,Rh,W-O/B, W2-Aux/E, Y, Y2, G, L, RAS, RAS

Common Features			Wiring Terminals

RedLINK Accessories
• Displays Outdoor Temperature only
  - Wireless Outdoor Air Sensor (C7089R1013) Required
• Temperature Control on Demand
  - Portable Comfort Control (REM5000R1001) Required
• Connect to the Internet
  - RedLINK Internet Gateway (THM6000R1002) Required
	Display
	• User Interface: Soft Keys
	• English display ONLY
	• 4.53 sq. in. Display Size (Viewable)
	• On Demand Backlighting
		Control
		• Permanent Memory Retention
		• Early Start
		• Temperature Limits
		• Unoccupied input (Req. CT240 or CT241)
		• 15' Floor Temperature Sensor
			Equipment Interface Module - 3 Wire

Honeywell   13

Programmable Thermostats

Honeywell programmable thermostats are the #1 choice of consumers. Consumers appreciate the ease-of-use, energy savings and the ability to remotely monitor and control their system settings over the Internet. Contractors appreciate the reliability, easy installation and universal compatibility.

Redesigned Prestige® IAQ

- 60% smaller than the original Prestige and available in 4 colors
- Connects to the internet when used with RedLINK Internet Gateway
- Selectable for Residential or Light Commercial applications
- Delta T Alerts and Diagnostics
- Performance log keeps a history of Delta T and Runtime to indicate heating and cooling performance
- User Interaction Log provides a searchable history of setting changes
- Assignable outputs and inputs
- Smart Schedule-programs in seconds for any lifestyle
- Up to 4 Heat/2 Cool Heat Pump or Up to 3 Heat/2 Cool Conventional
- 5-Year Limited Warranty

Prestige® 2.0

- Connects to the internet when used with RedLINK Internet Gateway
- Selectable for Residential or Light Commercial applications
- User Interaction Log provides a searchable history of setting changes
- Assignable outputs
- Smart Schedule-programs in seconds for any lifestyle
- Up to 3 heat/2 cool heat pump or 2H/2c conventional
- 5-Year Limited Warranty

All-New VisionPRO® 8000

Touchscreen 7-Day Programmable Thermostat with Message Center

- Works with RedLINK accessories
- Residential or Light Commercial use
- Micro SD port for quick installer setup
- Plain language setup, no manual needed
- On screen dealer information
- Smart Schedule - programs in seconds for any lifestyle
- Dual powered - battery or hard wired
- Up to 3 Heat/2 Cool Heat Pump* or Up to 2 Heat/2 Cool Conventional*
- Up to 4 Heat/2 Cool Heat Pump or Up to 3 Heat/ 2 Cool Conventional when used with the Equipment Interface Module
- 5-Year Limited Warranty

Wi-Fi VisionPRO®

7-day Programmable

- Remote access to the thermostat through a smart phone, tablet or computer
- Up to 3 Heat/2 Cool Heat Pump or 2 Heat/2 Cool Conventional
- Dual Fuel Control wth wired Outdoor Air Sensor
- Large 10-square-inch touchscreen display
- Requires common (C) wire
- 5-Year Limited Warranty

14

VisionPRO® IAQ

Total Home Comfort System

- Easy to upgrade to Multistage Equipment with only three wires
- Add Indoor Air Quality enhancements without the wall clutter

- Advanced dual fuel built-in
- Up to 4H/2C heat pump and up to 3H/2C conventional
- Smart change/check reminders
- 5-Year Limited Warranty

VisionPRO® 8000

Touchscreen 7-Day Programmable

- Effortless, menu-driven programming
- Up to 3H/2C heat pump and up to 2H/2C conventional

- Real-time clock – automatically updates for daylight savings
- Large 10-square-inch touchscreen display
- 5-Year Limited Warranty

Wi-Fi FocusPRO®

7-day Programmable

- Remote access to the thermostat through a smart phone, tablet or computer
- Up to 3 Heat/2 Cool Heat Pump and 2 Heat/2 Cool Conventional
- Large, clear backlit digital display
- 5-Year Limited Warranty

FocusPRO® 6000

5-1-1 Day Programmable

- Wireless option connects to the Internet
- Simplified programming and operation with built-in instructions
- Easy-access battery replacement
- Largest backlit display in its class

- Up to 3H/2C heat pump and up to 2H/2C conventional
- Dual-powered (battery and hardwire)
- 5-Year Limited Warranty

EConnect™ Wireless Comfort Control System

- RedLINK™-enabled wireless thermostat for electric heat
- Connects to the Internet
- Brings control from the floor to the wall for optimal sensing and comfort
- Compatible with baseboards, convectors, and fan-forced heaters
- EIM powered with existing wires at the heating device
- One thermostat controls up to eight baseboards in a single room
- 3-Year Limited Warranty

REDLINK
Wireless Technology

PRO 4000

5-2 Day Programmable

- Built-in instructions
- Easy-to-read backlit, digital display

- Models available for 2H/1C heat pumps and 1H/1C applications
- Dual-powered (battery and hardwire)
- 5-Year Limited Warranty

PRO 2000

5-2 Day Programmable

- Horizontal and vertical options available
- Budget price

- Basic operation
- Models available for 2H/1C heat pumps and 1H/1C applications
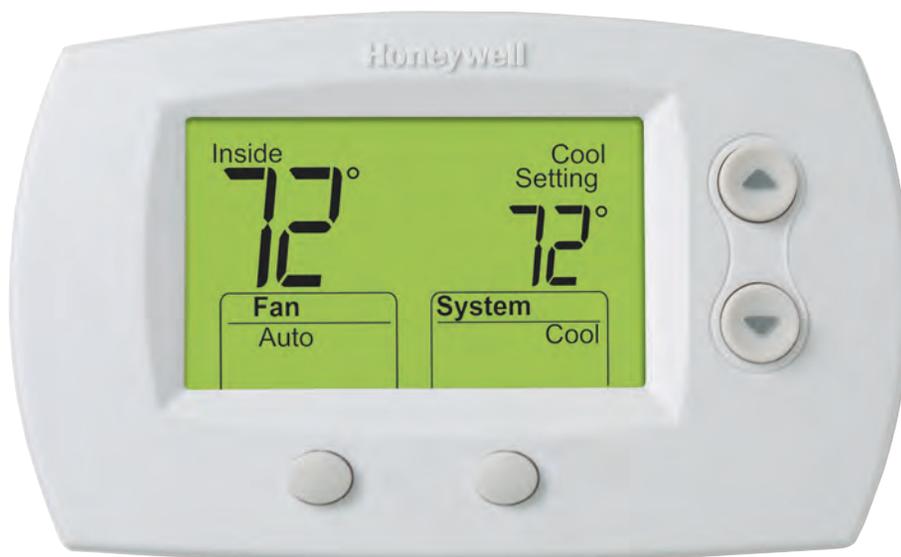- 2-Year Limited Warranty

Honeywell

Non-Programmable Thermostats

Honeywell thermostats give you one brand for every application, every budget and every customer. For customers who prefer manually-controlled settings, Honeywell's full-line of non-programmable thermostats are not only easy to use, but also deliver the reliable, consistent comfort control that is synonymous with the Honeywell name.

When selecting a non-programmable thermostat for your next job, look for these Honeywell features:

- Universal Application
- Large, Backlit, Digital Displays
- Easy-Access Battery Replacement*
- FREE Private Labeling*
- Precise Temperature Control (+/- 1˚ F)
- RedLINK™ Wireless Technology*

* Internet compatibility

FocusPRO® 5000

- Easy-access battery replacement
- Largest display in its class
- Up to 3H/2C heat pump and up to 2H/2C conventional
- Dual-powered (battery and/or hardwire)
- RedLINK™ wireless enabled model available
- 5-Year Limited Warranty

REDLINK
Wireless Technology

PRO 3000

- Easy-to-read backlit, digital display
- Models available for 2H/1C heat pumps and 1H/1C applications
- Dual-powered (battery and /or hardwire)
- 5-Year Limited Warranty

PRO 1000

- Horizontal and vertical options available
- Budget price
- Basic operation
- Models available for 2H/1C heat pumps and 1H/1C applications
- Heat Only model available
- 2-Year Limited Warranty

The Digital Round™

- Digital display
- One-touch backlight
- Familiar twist-to-set operation
- Available in Heat/Cool and Heat Only models
- 5-Year Limited Warranty

The Round™

- World's most-popular thermostat
- Available in Heat/Cool and Heat Only models
- Now mercury-free
- 5-Year Limited Warranty

Linevolt and Electromechanical

- Full line of non-programmable Linevolt and electromechanical thermostats

Home Comfort Solutions

Honeywell   17

Light Commercial

Programmable Thermostats For Light Commercial Applications

Many of the features that make Honeywell thermostats popular with residential customers — easy-to-understand programming, precision control, attractive style and more — are also key elements in Honeywell light commercial thermostats. Honeywell then adds in energy-saving features designed exclusively for commercial applications and to meet commercial building codes. For a wide range of commercial markets, the ideal thermostat choice is Honeywell.

After-Hours Control In Office Buildings

- The Override button can be configured for 1, 2, 3 or 4 hours and for an exact override setpoint using the lockout level and temperature range stop setups. 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 to provide the necessary comfort.
- The Override button can be configured for 1, 2, 3 or 4 hours and for an exact override setpoint using the lockout level and temperature range stop setups. A user may override to an exact setpoint or be given a setpoint range to choose from.
- During long holidays or summer vacation, programming using the Holiday button provides 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.)

Product	OS Number
Redesigned Prestige IAQ	YTHX9421R5085 or YTHX9421R5101
All-New VisionPRO 8000	TH8110R1008, TH8320R1003 or TH8321R1001
Commercial VisionPRO 8000	TB8220U1003
CommercialPRO 7000	TB7220U1012
MultiPRO 7000	TB7100A1000

Redesigned Prestige IAQ®

Programmable Touchscreen Thermostat with RedLINK™

- 60% smaller than the original Prestige and available in 4 colors
- Connects to the internet when used with RedLINK Internet Gateway
- Selectable for Residential or Light Commercial applications
- Delta T Alerts and Diagnostics
- Assignable outputs and inputs
- Performance log keeps a history of Delta T and Runtime to indicate heating and cooling performance
- User Interaction Log provides a searchable history of setting changes
- User Interaction Log provides a searchable history of setting changes
- Smart Schedule-programs in seconds for any lifestyle
- Up to 4 Heat/2 Cool Heat Pump or Up to 3 Heat/2 Cool Conventional
- 5-Year Limited Warranty

All New VisionPRO®

Programmable Touchscreen Thermostat with RedLINK

- Connects to the internet when used with RedLINK Internet Gateway
- Selectable for Residential or Light Commercial applications
- User Interaction Log provides a searchable history of setting changes
- Assignable outputs
- Smart Schedule-programs in seconds for any lifestyle
- Up to 3 heat/2 cool heat pump or 2H/2C conventional
- 5-Year Limited Warranty

Commercial VisionPRO 8000

Programmable Touchscreen Thermostat

- 7-day programmable or non-programmable
- Controls conventional or heat pump systems
- Title 24 compliant
- Economizer/time of day relay
- Multiple-screen lockout levels
- Easy-to-use, menu-driven programming
- Holiday setback and temporary override
- Up to 2H/2C Conventional or 3H/2C Heat Pump
- Commercial algorithms and configurable recovery ramps

CommercialPRO® 7000

Programmable Thermostat

- 7-day programmable or non-programmable
- Large easy-to-read display
- Controls conventional or heat pump systems
- Title 24 compliant
- Economizer/time of day relay
- Multiple-screen lockout levels
- Easy-to-use, menu-driven programming
- Holiday setback and temporary override
- Up to 2H/2C Conventional or 3H/2C Conventional
- Commercial algorithms and configurable recovery ramps

MultiPRO™ 7000

Multi-Speed And Multipurpose Thermostat

- 7-day programmable or non-programmable
- Large easy-to-read display
- Controls conventional, heat pump systems, fan coil and PTAC systems
- Multiple fan speeds for fan coil and PTAC systems
- VeraSpeed ™ fan ramp algorithm for fan control
- Auto fan rest
- 1H/1C Conventional, 2H/1C Heat Pump or 2H/1C PTAC Systems and 2 or 4-pipe Fan Coil
- Remote setback inputss

Honeywell   19

Zoning Systems

Honeywell developed its first residential temperature zoning systems in 1945. Since then, the market for individual room temperature control has continued to grow, and so has Honeywell's leadership position in the category. For applications from 2 zones to 32 zones, and for products from panels and dampers to complete system kits, Honeywell is your single-source solution for zoning.

When selecting a Zoning System for your next job, look for these Honeywell features:

- Standardized Checkout Procedure
- Robust Push Terminals
- Common-Sense LEDs
- Universal Application
- Clean, Professional Installation
- Smaller Footprint
- Variable-Speed Fan Control
- Discharge Temperature (DATS) Staging
- Advanced Dual-Fuel Operation
- Select Models Enabled with RedLINK™ Wireless Technology
- 5-Year Limited Warranty
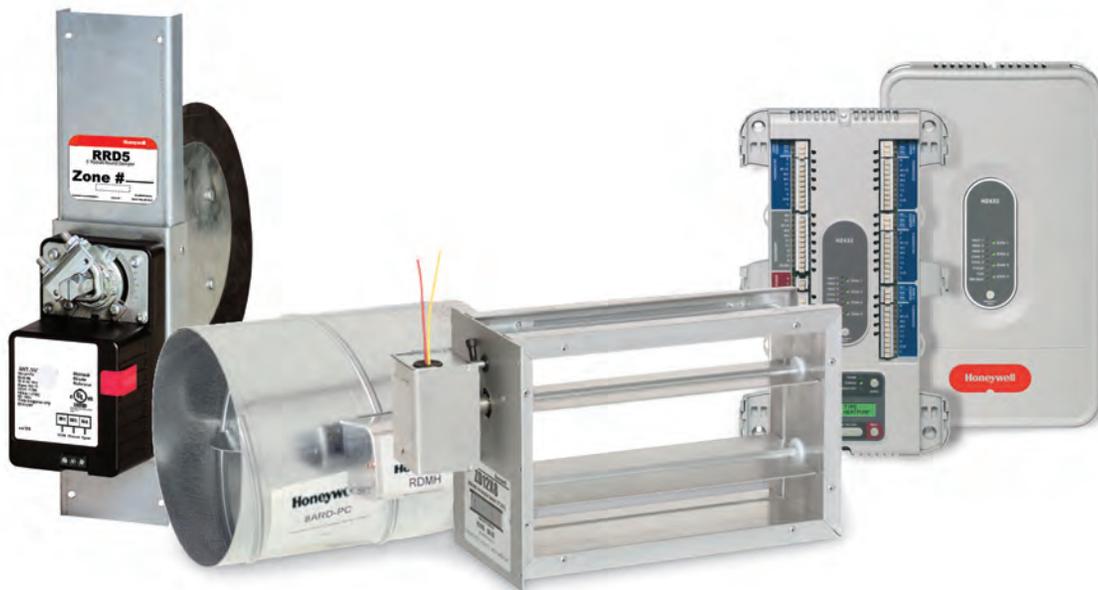
HZ432

TrueZONE® Panel

- Works with virtually any equipment brand of conventional, heat pump or dual fuel up to 3H/2C
- Up to 4 zones wired or wireless (expandable up to 32 zones wired with addition of TAZ-4 panels)
- Illuminated LEDs visually verify heat/cool and stage of equipment
- Easy-to-read digital display guides installer through patented system setup and checkout program
- RedLINK™ wireless-enabled

HZ322

TrueZONE® Panel

- Controls single-stage, multi-stage conventional and heat pump equipment up to 2H/2C.
- Controls up to three zones
- Intuitive installer setup — easy-to-follow, digital display uses real language to guide installer through four easy steps
- Common-sense LEDs
- RedLINK™ wireless-enabled
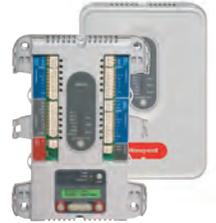
HZ311

TrueZONE® Panel

- Controls single-stage, conventional equipment
- Controls up to three zones
- Use virtually any four-wire thermostat

HZ221 Panel

TrueZONE® Panel

- Controls heat pumps with auxiliary back up heat
- Controls two zones
- Use with heat pump thermostats
- Common-Sense LEDs
- Variable-Speed Fan Control

ZD, ARD, RRD - Zone Dampers

- Wide variety of round and rectangular sizes
- Rugged gear construction and riveted for extra strength
- Built with a gasket to ensure a proper damper seal
- Adjustable minimum and maximum position stops
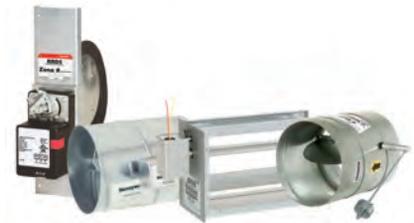
CPRD TrueZONE Bypass Damper

- Innovative Dial Set Pressure Control
- Installs any orientation
- Provides consistent pressure control regardless of blower speed
- Designed for easy installation with no external moving part

Home Comfort Solutions

Honeywell

Wireless Zoning Systems Selection Guide

	Kit Includes:	Relocate Thermostat Without Running New Wires	Upgrade to Multi-stage or Add Cooling Without Running New Thermostat Wires	Add to a TrueZONE® System Without Running New Thermostat Wires	Add Duel Fuel Control Without Running Wires To Outdoor Sensor	Program Options
			Solutions			Schedule Options
Programmable Wireless Zoning Adapter Kit YTH6320R1023	Programmable FocusPRO and Wireless Adapter	•	•	•	•**	5-1-1/ 5-2/Day With Temporary and Permanent Hold
Non-Programmable Wireless Zoning Adapter Kit YTH5320R1025	Non-Programmable FocusPRO and Wireless Adapter	•	•	•	•**	

Conventional and Networked Zoning System Selection Guide

Zone Control Panels and Kits	Model	System Type	Number of Zones	Expansion Capacity	Includes	Terminals	Standardized Menu Driven Checkout Procedure	24V Power	Stage Control	Compatible with RedLINK™ Wireless Controls	Footprint	Limited Warranty	ECW	ZoneFirst	AprilAire
							Application / Installation / Function / Cross-Reference								
	HZ432	3 Heat / 2 Cool Conventional 3 Heat / 2 Cool Heat Pump 2 Heat / 2 Cool Dual Fuel	4	Up to 32 Zones	HZ432 TrueZONE Panel	Push Terminals. 2 Wires Per Terminal	•	•	Thermostat, Timer, or % of zones calling	•	8" X 13.5"	5-Year	ST-2, ST-3, UZC, BMPlus, NCM-300	MMZ3, MMH3, MZS4	6202, 6203, 6302, 6303, 6404
	HZ432K	3 Heat / 2 Cool Conventional 3 Heat / 2 Cool Heat Pump 2 Heat / 2 Cool Dual Fuel	4	Up to 32 Zones	HZ432 TrueZONE Panel, C7735 Discharge Air Temperature Sensor (DATS), AT140 Transformer	Push Terminals. 2 Wires Per Terminal	•	•	Thermostat, Timer, or % of zones calling	•	8" X 13.5"	5-Year	ST-2, ST-3, UZC, BMPlus, NCM-300	MMZ3, MMH3, MZS4	6202, 6203, 6302, 6303, 6404
	HZ322	2 Heat / 2 Cool Conventional 2 Heat / 1 Cool Heat Pump	3	No	HZ322 TrueZONE Panel	Push Terminals. 2 Wires Per Terminal	•	•	Thermostat, Timer, or % of zones calling	•	8" X 11.5"	5-Year	ST-2, ST-3, BMPlus	MMZ3, MMH3	6202, 6203, 6302, 6303
	HZ322K	2 Heat / 2 Cool Conventional 2 Heat / 1 Cool Heat Pump	3	No	HZ322 TrueZONE Panel, C7735 Discharge Air Temperature Sensor (DATS), AT140 Transformer	Push Terminals. 2 Wires Per Terminal	•	•	Thermostat, Timer, or % of zones calling		8" X 11.5"	5-Year	ST-2, ST-3, BMPlus	MMZ3, MMH3	6202, 6203, 6302, 6303
	HZ311	1 Heat/1 Cool Conventional	3	No	HZ311 TrueZONE Panel	Push Terminals. 2 Wires Per Terminal		•	NA		8" X 8.25"	5-Year	ST-2, ST-3	MMZ3	6202, 6203
	HZ311K	1 Heat/1 Cool Conventional	3	No	HZ311 TrueZONE Panel, C7735 Discharge Air Temperature Sensor (DATS), AT140 Transformer	Push Terminals. 2 Wires Per Terminal	•	NA		8" X 8.25"	5-Year	ST-2, ST-3	MMZ3	6202, 6203
	HZ221	2 Heat/1 Cool Heat Pump with Auxiliary	2	No	HZ221 TrueZONE Panel	Push Terminals. 2 Wires Per Terminal		•	NA		8" X 8.25"	5-Year			
	HZ221K	2 Heat/1 Cool Heat Pump with Auxiliary	2	No	HZ221 TrueZONE Panel, C7735 Discharge Air Temperature Sensor (DATS), AT140 Transformer	Push Terminals. 2 Wires Per Terminal	•	NA		8" X 8.25"	5-Year			

Application	Power Method	Features and Functions				Limited Warranty
Stages		Permanent Memory Retention	Selectable Auto or Manual Changeover	Adaptive Intelligent Recovery™/Early Start™	Temperature Setpoint Limits	
Up to 3H/2C Heat Pump or 2H/2C Conventional	FocusPRO — Battery / Wireless Adapter - Hardwired	•	•	•	•	5-Year
Up to 3H/2C Heat Pump or 2H/2C Conventional	FocusPRO — Battery / Wireless Adapter - Hardwired	•	•		•	5-Year

Dampers	Model	Application		Installation						Features		Cross-Reference		
		Application	Actuation	Number of Wires	Range Stops	Voltage	VA	Motor Timing		Sizes	Limited Warranty	EWC	Zone First	April Aire
	ARD	Zone Damper For Flex or Rigid Round Ductwork	Spring Return Open (Reversible)	2	Yes	24 V	6 VA	30 seconds closed / 10 seconds spring return open		5, 6, 7, 8, 9, 10,12, 14, 16, 18, 20	5-Year	RSD	RDS	6500 Series, 6600 Series
	EARD	Zone or Ventilation Damper for Flex or Rigid Round Ductwork	Spring Return Closed (Reversible)	2	Yes	24 V	6 VA	30 seconds open / 10 seconds spring return closed		5, 6, 7, 8	5-Year	RSD	RDS	6500 Series, 6600 Series
	ZD	Zone Damper for Rectangular Ductwork	Spring Return Open	2	Yes	24 V	6 VA	30 seconds closed / 10 seconds spring return open		6X6 to 28X20	5-Year	ND-RSD	ZD	6700 Series, 6800 Series
	RRD	Retrofit Zone Damper For Rigid Round Ductwork	Power Open / Power Closed	3	Yes	24 V	2.5 VA	90 seconds		5, 6, 7, 8	5-Year	SID		6706
	MARD	Zone or Motorized Bypass Damper For Flex or Rigid Round Ductwork	Power Open / Power Closed	3	Yes	24 V	2.1 VA	90 seconds		6, 8, 10, 12, 14, 16, 18	5-Year	URD	RDM	6200 Series
	TrueZONE Bypass CPRD	Constant Pressure Bypass damper for Flex or Rigid round Ductwork	Dial Set Pressure Control	0	No	NA	NA	NA		8, 10, 12, 14	5-Year	PRD, PRD-RD	SPRD	6900 Series
	SPRD	Barometric Bypass Damper for Flex or Rigid round Ductwork	Weighted Arm	0	No	NA	NA	NA		8, 10, 12, 14, 16	5-Year	PRD, PRD-RD	SPRD	6900 Series

Honeywell

Whole-House Air Cleaners

Honeywell introduced its first Electronic Air Cleaner 50 years ago — and our history of performance and reliability have made us the preferred consumer brand ever since. Our complete portfolio of air cleaning solutions includes Electronically-Enhanced Media Air Cleaners, High-Efficiency Electronic Air Cleaners, Media Air Cleaners, Return Grille Media and Media Replacement Filters. Honeywell's complete line of Filtration Solutions allows you to customize your offering to meet your customer's needs.

When selecting an Air Cleaning solution for your next job, look for these Honeywell features:

- Advanced 3-Step Filtration Technology*
- Easy to Maintain
- Universal Application
- Both Washable and Replaceable Filtration Solutions
- Sizes Designed to Fit Any Application
- Customizable Labels
- Quiet Operation
- 5-Year Limited Warranty

* Select models only.

TrueCLEAN™

Enhanced Whole-House Air Cleaners

- Best of media and electronic
- Advanced 3-step filtration technology that charges, captures and destroys particles
- MERV 15 efficiency rating
- Easy maintenance and quiet operation for reduced callbacks
- Trade-only replacement filters for recurring replacement revenue
- 5-Year Limited Warranty

F300

Whole-House Electronic Air Cleaner

- Self-regulating power supply maintains high efficiency as the air cleaner loads
- Washable filter for the lowest annual cost of operation.
- MERV equivalent 12 to 15* efficiency rating
- Optional anti-microbial postfilter to increase efficiency and provide replacement opportunity
- Also available in a Return Grille Model (F52)
- 5-Year Limited Warranty

F200

Whole-House Media Air Cleaner

- Captures up two times more of the smallest airborne particles passing through the filter than the F100 Media Air Cleaner
- Pressure sensor in door indicates pressure drop and transmits to wireless receiver
- MERV 13 efficiency rating
- 5-Year Limited Warranty

F100

Whole-House Media Air Cleaner

- Up to 14 times more effective than a standard one-inch filter, capturing up to 96% of airborne particles*
- Lasts up to four times longer than a standard one-inch furnace filter. Replace every 6-12 months versus monthly or quarterly changes.
- Six space-saving sizes to fit any application
- Merv 11 efficiency rating
- 5-Year Limited Warranty

FC40R and FC20R

Return Grille Media Air Filters

- MERV 8 (FC20R) and MERV 10 (FC40R) efficiency ratings
- Captures up to 37 times more airborne particles passing through the filter than a standard 1" filter
- 18 sizes to fit most return grille applications
- Provides four inches of filtration in a one-inch grille, with three times the life of a standard one-inch filter
- Limited Warranty

Replacement Filters

- Both cartridge and PopUP™ collapsible models
- High-efficiency and low pressure drop solutions
- Sizes that fit Honeywell and competitive units
- MERV 11 (PopUP filter) efficiency rating

* Based on a third-party testing.

Honeywell

Air Cleaner Selection Guide

	Model	Type	OS#	Size	Application		Rated Airflow
TrueCLEAN™ Enhanced Whole-House Air Cleaners	FH8000	Enhanced	FH8000F1625	16x25	Inline Air Filtration		1600 CFM
			FH8000F2025	20 x 25			2000 CFM
			FH8000A1620	16x20			1350 CFM
			FH8000A2020	20x20			1800 CFM
			FH8000A2520	25x20			2000 CFM
F300 Whole-House Electronic Air Cleaner	F300E	Electronic	F300E1001	16X20	Inline air filtration		1200 CFM
			F300E1019	16X25			1400 CFM
			F300E1027	20X20			1400 CFM
			F300E1035	20X25			2000 CFM
	F300A,B		F300A1620	16X20	Inline air filtration		1200 CFM
			F300A1625	16X25			1400 CFM
			F300A2020	20X20			1400 CFM
			F300A2025	20X25			2000 CFM
			F300A2012	20X12.5			1000 CFM
			F300B2012	20X12.5			1000 CFM
F52F Return Grille Electronic Air Cleaner	F52F	Electronic Return Grille	F52F1048	20X12.5	Central return grille		1000 CFM
			F52F1055	20X25			2000 CFM
F200 Whole-House Media Air Cleaner	F200E	Media	F200E1003	16X20	Inline air filtration		1200 CFM
			F200E1011	16X25			1400 CFM
			F200E1029	20X20			1400 CFM
			F200E1037	20X25			2000 CFM
F100 Whole-House Media Air Cleaner	F100F	Media	F100F2028	16X20	Inline air filtration		1200 CFM
			F100F2002	16X25			1400 CFM
			F100F2036	20X20			1400 CFM
			F100F2010	20X25			2000 CFM
			F100F2044	25X20			2000 CFM
			F100F2051	25X22			2000 CFM

Here's How They Work:

TrueCLEAN Enhanced Air Cleaners use an advanced 3-step filtration technology to deliver cleaner air by taking a high-airflow media filter and enhancing it with electronic technology. The result is a MERV 15* efficiency that actually improves over time.

Charge. Capture. Destroy. That's the basis of the three-step process that TrueCLEAN uses to capture and deactivate up to 99%** of airborne particles and contaminants passing through the system. Here's how it works.

STEP 1

Grounding Plane   Ionizing Points

STEPS 2 & 3

Filter Enhancement Plane   Carbon-Tipped Media Filter

Provides Continuous Charge to Filter

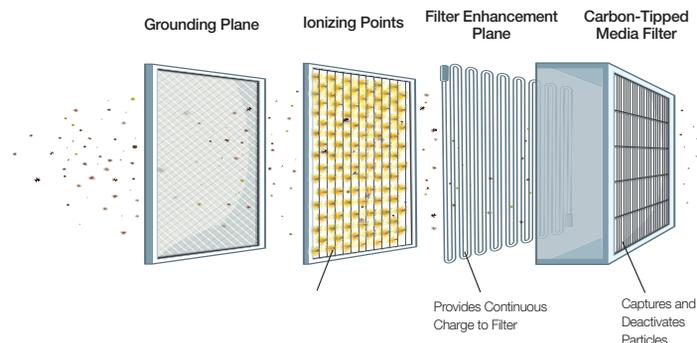Captures and Deactivates Particles

Step 1: Charge
Particles enter the TrueCLEAN system through an array of ionizing points, where they become electrically charged. The unique design charges all particles evenly.

Step 2: Capture
Next, particles travel into the media filter, where they're captured in the media fibers. A continuous charge ensures dirt is loaded 360 degrees around the filter fibers — not just on the face of the filter. This process captures more particles than a standard media filter and helps the filter last longer.

Step 3: Destroy
Once particles are captured, the charging strips on opposite sides of the carbon-tipped media filter continue to charge and deactivate particles. Particles are trapped and destroyed inside the filter, with deactivation rates of captured particles exceeding 99%.**

*Full ASHRAE testing performed at 492 FPM. ASHRAE 52.2 test of 3.0 to 10.0 micron particles performed at 492 FPM.
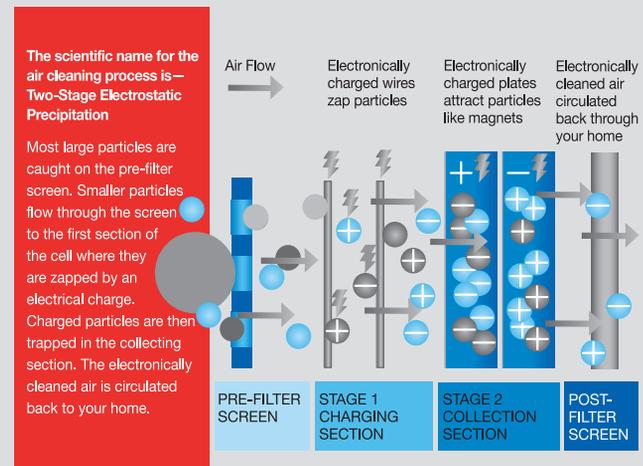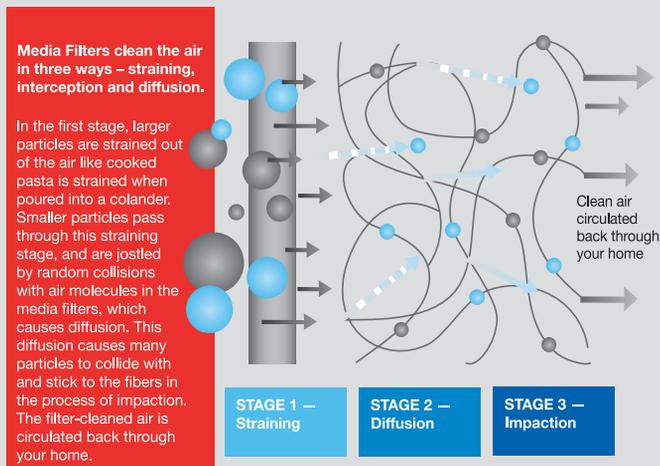**99% deactivation rate of captured particles passing through the system only when air cleaner is powered and system fan is running. Testing performed at third party labs on certain virus and bacteria applied to filter disks and then exposed to an electric field. Tested virus show a reduction of virus numbers of greater than 99% by 8 hours of exposure. Tested bacteria show a reduction of bacteria numbers of greater than 99% by 24 hours. Organisms tested: human and avian influenza virus, human cold virus surrogate, and others.
***Full ASHRAE testing performed at 295 FPM. ASHRAE 52.2 test of 3.0 to 10.0 micron particles performed at 295 FPM.

Features and Functions					Warranty
Electric Rating	Efficiency (MERV not applicable to electronic air cleaners)	Initial Pressure Drop at Rated airflow	Replacement Filter/ Postfilter	Maintenance Cycle	
120V 208-230 VAC	MERV 15 at 492 FPM 0.3 to 1.0 microns=90% 1.0 to 3.0 microns=96% 3.0 to 10.0 microns=98%	0.22 - 0.25 in w.c..	FR8000F1625 FR8000F2025 FR8000A1620 FR8000A2020 FR8000A2520	Replace filter = up to 1 year	5-Year
120V	Initial efficiency at 295 FPM 0.3 to 1.0 microns=91% 1.0 to 3.0 microns=98% 3.0 to 10.0 microns=100%	0.05 in. w.c. at 295 FPM	50000293-001 50000293-002 50000293-003 50000293-004	Vacuum prefilter = up to 6 months Wash cells = up to 1 year Replace posfilter = 6 months	5-Year
120V 120V 120V 120V 120V 240V	Initial efficiency at 492 FPM 0.3 to 1.0 microns=78% 1.0 to 3.0 microns=92% 3.0 to 10.0 microns=97%	0.15 in. w.c. at 295 FPM	50000293-001 50000293-002 50000293-003 50000293-004 50000293-004 50000293-004	Vacuum prefilter = up to 3 months Wash cells = up to 1 year	5-Year
120V	0.3 to 1.0 microns=73% 1.0 to 3.0 microns=88% 3.0 to 10.0 microns=95%	0.2 in. w.c.		Vacuum prefilter = up to 3 months Wash cells = up to 1 year	5-Year
	MERV 13 at 492 FPM 0.3 to 1.0 microns=63% 1.0 to 3.0 microns=90% 3.0 to 10.0 microns=97%	0.3 in. w.c.	FC200E1003 FC200E1011 FC200E1029 FC200E1037	Replace filter = up to 1 year	5-Year
	MERV 11 at 492 FPM 0.3 to 1.0 microns=32% 1.0 to 3.0 microns=72% 3.0 to 10.0 microns=96%	0.23 in. w.c.	FC100A1003 FC100A1029 FC100A1011 FC100A1037 FC100A1037 FC100A1037	Replace filter = up to 1 year	5-Year

Media Filters, which filter the air using webs of polypropylene fibers. Honeywell offers several media air cleaners and replacement filters, including space and time saving products like the PopUP™ media replacement filter.

Electronic Air Cleaners, which electrically charge and collect airborne particles on a collection grid. The Honeywell F300 EAC captures up to 98%*** of airborne particles passing through the product. The design of the F300's collection grid section offers the most surface area available for collecting these charged particles. The F300 power supply also increases voltage based on the amount of particles collected on these plates, so that efficiency over time stays high; an important aspect in EAC selection.

Media Filters clean the air in three ways – straining, interception and diffusion.

In the first stage, larger particles are strained out of the air like cooked pasta is strained when poured into a colander. Smaller particles pass through this straining stage, and are jostled by random collisions with air molecules in the media filters, which causes diffusion. This diffusion causes many particles to collide with and stick to the fibers in the process of impaction. The filter-cleaned air is circulated back through your home.

Clean air circulated back through your home

STAGE 1 — Straining

STAGE 2 — Diffusion

STAGE 3 — Impaction

The scientific name for the air cleaning process is— Two-Stage Electrostatic Precipitation

Most large particles are caught on the pre-filter screen. Smaller particles flow through the screen to the first section of the cell where they are zapped by an electrical charge. Charged particles are then trapped in the collecting section. The electronically cleaned air is circulated back to your home.

Air Flow

Electronically charged wires zap particles

Electronically charged plates attract particles like magnets

Electronically cleaned air circulated back through your home

PRE-FILTER SCREEN

STAGE 1 CHARGING SECTION

STAGE 2 COLLECTION SECTION

POST-FILTER SCREEN

Replacement Filter Selection Guide

Honeywell replacement filters come in a wide variety of sizes and styles to fit nearly every application. For long-lasting, high-efficiency performance that doesn't compromise airflow, advise your customers to stick with quality Honeywell filters.

What is MERV?

At its most basic, MERV (Minimum Efficiency Reporting Value) is a measure of filter efficiency. The MERV value takes information on the efficiency of the filter against a range of particles from coarse (such as pollens) to fine (such as smoke), then boils it down into one easy-to-understand number. The MERV number can be used to compare filters made by different manufacturers as long as testing conditions, such as air speed, are the same.

Filter Category	Airborne Contaminants Targeted*	Equipment Protection	Air Treatment Level
MERV 1 to 4 Coarse fiber filter	Pollen Airborne dust mite debris Carpet and clothing fibers	Minimal	–
MERV 5 to 8 Standard household filter	The above plus: Mold Plant Spores	Basic	Basic
MERV 9 to 12 Premiere household filter	The above plus: Auto emissions Airborne lead dust Airborne coal dust	Better	Improved
MERV 13 to 16 Hospital grade	The above plus: Certain bacteria Tobacco smoke Sneeze particles Cooking oil	Varies**	Superior

* From Cross-Reference and Application Guidelines (Table E-1, ASHRAE Standard 52.2).

**Higher efficiency filters can restrict airflow more than basic filters. Honeywell TrueCLEAN offers superior air treatment with good air flow.

	Model	OS#	
Cartridge			
	FR8000	FR8000F1625	
		FR8000F2025	
		FR8000A1620	
		FR8000A2020	
		FR8000A2520	
	FC200	FC200E1003	
		FC200E1029	
		FC200E1011	
		FC200E1037	
	FC100	FC100A1003	
		FC100A1029	
		FC100A1011	
		FC100A1037	
		FC100A1052	
		FC100A1045	
PopUP™			
	POPUP	POPUP1620	
		POPUP1625	
		POPUP2020	
		POPUP2025	
		POPUP2200	
		POPUP2400	
Perfect Fit™			
	TRN	TRN1427T1	
		TRN1727T1	
		TRN2121T1	
		TRN2127 T1	
		TRN2321T1	
		TRN2427T1	
		TRN2621T1	
Return Grille			
	FC40	FC40R1094	
		FC40R1037	
		FC40R1102	
		FC40R1110	
		FC40R1128	
		FC40R1045	
		FC40R1169	
		FC40R1052	
		FC40R1060	
		FC40R1136	
		FC40R1185	
		FC40R1830	
		FC40R1003	
		FC40R1144	
		FC40R1011	
		FC40R1029	
		FC40R1078	
		FC40R1177	
	FC20	FC20R1625	
		FC20R2020	
		FC20R2025	
		FC20R2030	

Size	FH8000	F100	F200	Aprilaire®	Perfect Fit™	Rated Airflow	Efficiency	Initial Pressure Drop at Rated Airflow	Maintenance Cycle
16x25	•	•	•	•	•	1600 CFM		0.25 in w.c.	
20x25	•	•	•	•	•	2000 CFM		0.25 in w.c.	
16x20	•	•	•	•	•	1350 CFM	MERV 15	0.22 in w.c.	Replace Filter every 6 to 12 months
20x20	•	•	•	•	•	1800 CFM		0.25 in w.c.	
25x20	•	•	•	•	•	2000 CFM		0.22 in w.c.	
16x20x4		•	•			1200 CFM			
16x25x4		•	•			1400 CFM	MERV 13	0.31 in. wc	Replace filter every 6 to 12 months
20x20x4		•	•			1400 CFM			
20x25x4		•	•	•		2000 CFM			
16x20x4		•	•			1200 CFM			
16x25x4		•	•			1400 CFM			
20x20x4		•	•			1400 CFM	MERV 11	0.24 in.wc	Replace filter every 6 to 12 months
20x25x4		•	•	•		2000 CFM			
20x12.5x4		F27F1032				1000 CFM			
21.5x27.5x4		F27F1057				2000 CFM			
16x20x5		•	•			1200 CFM			
16x25x5		•	•			1400 CFM			
20x20x5		•	•			1400 CFM	MERV 11	0.24 in. wc	Replace filter every 6 to 12 months
20x25x5		•	•			2000 CFM			
20x25x5				•		2000 CFM			
16x28x5				•		2000 CFM			
14.5x27x5						1400 CFM			
17.5x27x5						1600 CFM			
21.5x21x5						1600 CFM			
21x27x5						2000 CFM	MERV 10	0.17 in. wc	Replace filter every 6 to 12 months
23.5x21.5						1800 CFM			
24x27x5						2500 CFM			
26x21x5						2000 CFM			
12x12x4						500 CFM			
12x24x4						1000 CFM			
14x14x4						680 CFM			
14x20x4						972 CFM			
14x24x4						1167 CFM			
14x25x4						1215 CFM			
14x30x4						1458 CFM			
16x20x4						1111 CFM			
16x25x4						1389 CFM		0.12 in. wc at 2 cfm per sq. in.	
18x24x4		Replaces 1 inch filters in filter grilles				1500 CFM	MERV 10		Replace filter every 6 to 12 months
18x18x4						1125 CFM			
18x30x4						1875 CFM			
20x20x4						1389 CFM			
20x24x4						1667 CFM			
20x25x4						1736 CFM			
20x30x4						2083 CFM			
24x24x4						2000 CFM			
24x30x4						2500 CFM			
16x25x2						1389 CFM			
20x20x2						1389 CFM	MERV 8	0.18 in. wc at 2 cfm per sq. in.	Replace filter every 3 to 6 months
20x25x2						1736 CFM			
20x30x2						2083 CFM			

Honeywell

Home Comfort Solutions

Whole-House Humidifiers

Honeywell offers an extensive line of Whole-House Humidifiers, including steam, fan-powered and evaporative pad models, as well as quality service replacement parts and replacement pads.

When selecting a Whole-House Humidifier for your next job, look for these Honeywell features:

- Clean, Professional Installation
- Water and Energy Savings*
- Quiet Operation
- Simplified Wiring*
- Common-Sense User Interface*
- Easy Maintenance
- Enabled with RedLINK Wireless technology*
- Algon™ Anti-Microbial Pads*
- Private Labeling
- Quick-Connect Plumbing*
- PerfectFLO™ Water Distribution*
- 5-Year Limited Warranty

* Select models only.

Replacement Parts

- In-line scale and sediment water filter — requires no compression fittings to plumb inline
- AgION™ anti-microbial pads — prohibits growth of mold, bacteria and algae
  - Sizes that fit both Honeywell and competitive models
- Reverse Osmosis Filtration System — removes dissolved minerals in an advanced staged filtration process resulting in softened water.

TrueSTEAM™
Humidification System

- Highest ratio of humidity output to water efficiency
- Available in three sizes to fit nearly every application
- 1:1 humidification delivery rate — operates independent of HVAC equipment
- Mounts in minutes — requires minimal cutting and mounts on separate light weight bracket
- Application flexibility — can be remotely mounted up to 20 feet from system
- Eco-friendly — uses up to 70% less water than flow-through designs
- RedLINK™-enabled for wireless control via Prestige®
- 5-Year Limited Warranty

HE300
TrueEASE™ Advanced Fan-Powered Humidifier

- Up to 50% water savings (up to 10,000 gallons per year saved)
- Quietest residential fan humidifier on the market (more than 20 dB quieter than competitive residential fan humidifiers)
- Fast installation for labor and time savings
- Up to 18 gallons per day
- Common sense interface
- User-friendly pad access from the front of the unit
- Quick connect plumbing
- 5-Year Limited Warranty

HE100 and HE200 Series
TrueEASE™ Basic Bypass Humidifiers

- Fast installation via external mounting screws and interchangeable bypass for labor and time savings
- User Friendly Pad Access
- 12 or 17 gallons per day
- Familiar footprint
- Quick connect plumbing
- PerfectFLO Water Distribution tray
- 5-Year Limited Warranty

HE150 and HE250 Series
TrueEASE™ Advanced Bypass Humidifiers

- Same features as HE100/HE200 plus,
- Up to 30% water savings (up to 5,500 gallons per year saved)
- Powered damper that opens and close on call for humidity for energy savings
- Common sense LED based user interface
- 5-Year Limited Warranty

TrueIAQ®
Indoor Air Quality Control

- Intuitive digital display
- Integrated IAQ equipment control that manages humidification, dehumidification, ventilation and bathroom fans from a central point in your home
- Advanced temperature and humidity sensing — simultaneously displays both indoor and outdoor temperature and humidity levels on-screen; automatically adjusts indoor comfort based on outdoor conditions
- Part number: DG115EZIAQ
- 5-Year Limited Warranty

Home Comfort Solutions

Honeywell

Whole-House Humidifier Selection Guide

	Model	Type	Gallons Per Day (GPD) Liters Per Day (LPD)	GDP Requires Plenum Air Temperature Of 120° F	Gallons Humidity Delivered: Gallsons Water Wasted	Square Footage Covered (up to)	Warranty (years)	User Friendly Pad Access	Interchangeable Bypass	User Friendly Mounting
Steam Humidification										
TrueSTEAM™	HM512VPIAQ	Steam	12GPD	NO	1:1	3,000	5			•
	HM512H8908	Steam	12GPD	NO	1:1	3,000	5			•
	HM509H8908	Steam	9G	NO	9	2,500	5			•
	HM506H8908	Steam	6G	NO	6	2,000	5			•
TrueSTEAM™ and ROI	YHM512VRO1	Steam and RO Filtration	12GPD	NO	****	3,000	5			•
	YHM512HRO1	Steam and RO Filtration	12GPD	NO	****	3,000	5			•
	YHM509HRO1	Steam and RO Filtration	9GPD	NO	****	2,500	5			•
	YHM506HRO1	Steam and RO Filtration	6GPD	NO	****	2,000	5			•
Fan Powered Humidification										
TrueEASE™	HE300A1005	Evaporative Pad/Fan	18G	YES	1:2	3,000	5	•		•
Evaporative Humidification										
TrueEASE™	HE100A1000	Evaporative Pad	12G	YES	1:4	2,000	5	•	•	•
	HE100C1001**	Evaporative Pad	45L (12G)	YES	1:4	2,000	5	•	•	•
	HE150A1005	Evaporative Pad	12G	YES	1:2.8	2,000	5	•	•	•
	HE150C1014**	Evaporative Pad	45L (12G)	YES	1:2.8	2,000	5	•	•	•
	HE200A1000	Evaporative Pad	17G	YES	1:4	2,500	5	•	•	•
	HE200C1001**	Evaporative Pad	64L (17G)	YES	1:4	2,500	5	•	•	•
	HE250A1005	Evaporative Pad	17G	YES	1:2.8	2,500	5	•	•	•
	HE250C1014**	Evaporative Pad	64L (17G)	YES	1:2.8	2,500	5	•	•	•
HE225 & HE265	HE225H8908	Evaporative Pad	12G	YES	1:4	2,000	5			
	HE225A1014**	Evaporative Pad	45L (12G)	YES	1:4	2,000	5			
	HE265H8908	Evaporative Pad	17G	YES	1:4	2,500	5			
	HE265A1234**	Evaporative Pad	64L (17G)	YES	1:4	2,500	5			

*Requires outdoor sensor for automatic Frost Protection.   **Canadian models   ***Outdoor sensor has 1 year warranty   **** water waste with RO kit varies depending on factors such as age of sediment and RO canisters as w

Features and Functions															Cross Reference	
PerfectFLO Distribution Tray	Quick Connect plumbing	Integrated Damper	Automatic Damper (Energy Savings)	LED User Interface	Humidity on Demand	RedLINK™ Enabled	Remote Mount Capability	Humidity When Furnace is On	Frost Protection	UV Corrosion Protection	AgION Anti-Microbial Pads	Reverse Osmosis (RO) Filtration Kit	VisionPRO IAQ Total Comfort System	H8908 Manual Control	Aprilaire®	GeneralAire®
	•			•	•	•	•	•	•*	•			•		Model 1150/800	DS15 Elite Steam
	•			•	•	•	•	•		•				•	Model 1150/800	DS15 Elite Steam
	•			•	•	•	•	•		•				•	Model 1150/800	DS15 Elite Steam
	•			•	•	•	•	•		•				•	Model 1150/800	DS15 Elite Steam
	•			•	•	•	•	•	•*	•		•	•	•	Model 1150/800	DS15 Elite Steam
	•			•	•	•	•	•		•		•		•	Model 1150/800	DS15 Elite Steam
	•			•	•	•	•	•		•		•			Model 1150/800	DS15 Elite Steam
	•			•	•	•	•	•		•		•		•	Model 1150/800	DS15 Elite Steam
•	•	•		•	•			•	•*	•	•				Model 700/760	Model 1000
•	•	•						•	•*	•	•				Model 550	Model 570
•	•	•						•	•*	•	•				Model 550	Model 570
•	•	•	•	•	•			•	•*	•	•				Model 550	Model 570
•	•	•	•	•	•			•	•*	•	•				Model 550	Model 570
•	•	•						•	•*	•	•				Model 560/600	Model 900
•	•	•						•	•*	•	•				Model 560/600	Model 900
•	•	•	•	•	•			•	•*	•	•				Model 560/600	Model 900
•	•	•	•	•	•			•	•*	•	•				Model 560/600	Model 900
		•						•		•	•			•	Model 550	Model 570
•								•		•	•			•	Model 550	Model 570
		•						•		•	•			•	Model 560/600	Model 900
•								•		•	•			•	Model 560/600	Model 900

well as factors specific to the home

Whole-House Dehumidifiers

Honeywell's TrueDRY™ Dehumidifiers remove the latent heat (moisture) from air to increase comfort and safeguard the home. They also help the home's air conditioner run more efficiently. With integrated Fresh Air Ventilation options and high-performance air filtration, Honeywell dehumidifiers perform multiple functions in a compact enclosure and are easy to install in ducted or un-ducted applications.

When selecting a Whole-House Dehumidifier for your next job, look for these Honeywell features:

- R-410A Refrigerant
- Energy Efficient High-Capacity Moisture Removal
- Built-in Ventilation Port
- MERV 11 Air Filtration
- Internal Humidity/Ventilation Control
- 5-Year Warranty

Energy Savings

Humidity can cause the air temperature inside the home to feel warmer than the actual temperature. If the relative humidity within the home is 70% and the actual temperature is 75° F, the air will feel like 77°. With a whole-house dehumidifier, you can lower the indoor relative humidity to 40% to 60% where the indoor temperature will be 75° and feel like 75°. The home will feel cooler but there is no need to lower the actual temperature within the home.

Dehumidifier Selection Guide

	OS#	Specifications					Control Options	Features				Service-Contract Parts			Cross-Reference	
		Pints per Day	Energy Usage	Energy Star Rated	Nominal Airflow	Refrigerant	Controls	Filter Efficiency	Upflow Conversion	Dual Filter Access	Integrated Supply Vent	Filter	Backdraft Damper	Optional Damper	Aprilaire®	HealthyAir®
DR65	DR65A2000	65	5.2 A	Yes	160 CFM	R-410A	Onboard manual dehumidistat	MERV 11	•	•		50033205-009	50018995-001	EARD 6	Model 1700	DVA400H
DR90	DR90A2000	90	5.9A	Yes	235 CFM	R-410A		MERV 11		•		50049536-003	50018995-001	EARD 6	Model 1700	DVA400H
DR120	DR120A2000	120	7.3A	Yes	350 CFM	R-410A		MERV 11	•	•		50035445-020	50018995-001	EARD 6	N/A	N/A

Ultraviolet Treatment Systems

UV irradiation has been used by hospitals and restaurants for years to help disinfect and prevent the spread of germs. Honeywell helps you serve the growing homeowner market with easy-to-install, long-lasting ultraviolet Air (return) and Surface (coil) treatment systems that not only improve the indoor air quality, but can also increase equipment operation and efficiency.

When choosing a UV Treatment System for your next job, look for these Honeywell features:

- Fastest Installation and Replacement Time Available
- Patented SmartLamp™ Technology
- Built-in Brownout Protection
- Extended Lamp Life
- Safety Sealed Design With Multiple Interlocks
- SnapLamp™ Low-Cost Replacement Bulbs
- 5-Year Limited Warranty

Ultraviolet Air (Return) Treatment Systems

- Kill up to 87% of certain airborne bacteria* passing by the system
- Available in single-and dual-lamp models
- Optional SmartLamp™ Technology extends bulb run time and offers LED indication for bulb replacement
- VisionPRO IAQ integrates SmartLamp units into the system, sending messages to the homeowner on the screen of their thermostat
- 5-Year Limited Warranty

Ultraviolet Surface (Coil) Treatment Systems

- Eliminate up to 99.9%** of mold spores on cooling coils
- Optional SmartLamp™ Technology extends bulb run time and offers LED indication for bulb replacement
- Sealed design with safety interlocks
- VisionPRO IAQ integrates SmartLamp units into the system, sending messages to the homeowner on the screen of their thermostat
- 5-Year Limited Warranty

SnapLamp™ Replacement Bulb

- Economic lamp replacement solution with separate bulb/handle assembly
- Easiest replacement in the industry

* Test performed shows a single pass kill rate of *Serratia marcescens* bacteria in a clean metal 12" x 25" duct at an airflow of 2,000 CFM using new lamps. Higher kill rates expected in smaller, lower speed models.

** Test performed in a test duct showed a 3-log (99.9%) reduction in colony-forming *Aspergillus niger* mold spores when surface was irradiated at a distance of 18" for three hours in still air using new lamps.

Ultraviolet Treatment System Selection Guide

| | Model | Application | | Features and Functions | | | | SmartLamp™ Technology | | | | | Kill Rate* |
		Air Treatment	Surface Treatment	Quick and Easy Install and Maintenance	Safety is Built Into Sealed Design With Interlocks	Check Operation Safely With Light Pipe in Handle	SnapLamp™ Replacement Bulb Provides Quick and Easy Replacement at Lower Cost	Air Flow Sensor Extends Bulb Life	Bulb Cycles to Extend Bulb Life	Protection From Harsh Conditions	Bulb Life Indicator	EnviracCOM™ Communications	
	UV100E2009	•		•	•	•	•	•	•	•	•	•	87% Air Treatment
	UV100E3007		•	•	•	•	•		•	•	•	•	99.9% Surface Treatment
	UV100E1043	•		•	•	•	•	•	•	•	•	•	70% Air Treatment
	UV100A1059	•	•	•	•	•	•						75% Air Treatment or 99.9% Surface Treatment
	UV100A2008	•	•	•	•	•	•						75% Air Treatment or 99.9% Surface Treatment
	Replacement Bulbs	•	•	•	•	•	•						

* Air treatment test performed shows a single pass kill rate of Serratia marcescens bacteria in a clean metal 12" x 25" duct at an airflow of 2,000 CFM using new lamps. Surface treatment test performed in a test duct showed a 3-log (99.9%) reduction in colony-forming Aspergillus niger mold spores when surface was irradiated at a distance of 18" for three hours in still air using new lamps.

Recommended Application	Voltage	Limited Warranty	Upgrade Cross-Reference							
			Ultravation	AprilAire	Field Controls	Sanuvox	Second Wind	Dust Free	Eclipse
Up to 2,000 CFM	120 V	5-Year	UVE-1000, UVE-1036, UVE-2000, UVE-2036, UVS-1200 T, UVS-900T	1910, 1930	UV-18X	UV Bio-Wall Quattro R40006X R35006X	2181	Nomad, Nomad 2	
Any Residential System	120 V	5-Year	UVE-1000, UVE-1036, UVE-2000, UVE-2036, UVS-1200 T, UVS-900T	1910, 1930	UV-12, UV-18, UV-28	Saber APR		Triad FlexMount	
Up to 1,600 CFM	120 V	5-Year	UVE-1000, UVE-1036, UVE-2000, UVE-2036, UVS-1200 T, UVS-900T	1910, 1930	UV-12, UV-18, UV-28	R17006X R1500X	2000, 2018	Triad HO, VersaLight	UV Cleanser
Up to 1,725 CFM Air Treatment Surface Treatment – Any Residential System	120 V	5-Year	UVE-1000, UVE-1036, UVE-2000, UVE-2036, UVS-1200 T, UVS-900T	1910, 1930	UV-12, UV-18, UV-28	Saber APR		Triad FlexMount	
Up to 1,725 CFM Air Treatment Surface Treatment – Any Residential System	240 V	5-Year	UVE-1000, UVE-1036, UVE-2000, UVE-2036, UVS-1200 T, UVS-900T	1910, 1930	UV-12, UV-18, UV-28	Saber APR		Triad FlexMount	
		Limited		#90			1068, 1068A, 1076		

Whole-House Ventilation Systems

Honeywell offers a variety of energy-efficient Whole-House Ventilation System solutions for both new construction and retrofit applications. From Heat and Energy Recovery Ventilation to Fresh Air Supply Ventilation — meet all of your ventilation needs with Honeywell.

When choosing a Ventilation System for your next job, look for these Honeywell features:

- Removeable Duct Collars, Simplified Balancing and Adjustable Hanging Straps Ease Installation*
- Intuitive Balancing for HRVs and ERVs
- Simple Setup to Meet ASHRAE Ventilation Standards 62.2
- Can be Controlled with Prestige® IAQ Total Home Comfort System
- Streamlined, Lightweight Design
- Private Labeling
- 5-Year Limited Warranty

* Select models only.

Fresh Air From Outside

Exhaust Air To Outside

Exhaust Air From Home

Fresh Air From Outside

Honeywell

TrueFRESH™ Balanced Ventilation Systems

Energy Recovery Ventilators (ERV)

- Balanced ventilation with sensible and latent heat recovery
- Removable duct collars for simplified ducting
- Intuitive balancing via two variable speed motors and an integrated speed control
- Simplified hanging via adjustable straps
- Compact and light weight design
- Washable ERV core
- Tested for cold weather (down to 5°F/-15°C)
- Automatic defrost
- 5-Year Limited Warranty

TrueFRESH™ Balanced Ventilation Systems

Heat Recovery Ventilators (HRV)

- Balanced ventilation with sensible heat recovery
- Removable duct collars for simplified ducting
- Intuitive balancing via two variable speed motors and an integrated speed control
- Simplified hanging via adjustable straps
- Compact and light weight design
- Great for extreme cold weather
- Automatic defrost
- 5-Year Limited Warranty

Fresh Air Ventilation System

- Economical approach to fresh air ventilation
- Simple, flexible control helps meet local ventilation codes and ASHRAE standards
- Easy to wire and troubleshoot
- Customize ventilation rates for every home environment
- 5-Year Limited Warranty

Digital Bath Fan Control

- An easy and inexpensive way to meet ASHRAE 62.2 standards
- Backlit clock display
- Comes in two colors, Empire White and Bisuit
- Easy-to-install
- Simple programming
- Convenient display
- 5-Year Limited Warranty

Help homeowners understand their options for the best balance of energy savings and ventilation control.

Honeywell TrueFRESH Energy Recovery Ventilators (ERV) and Heat Recovery Ventilators (HRV) provide fresh replacement air while recovering up to 70% of the exhausted air's sensible heat, as well as some of the latent heat, by transferring moisture from one air stream to the other. The system draws fresh outdoor air through the ventilator for distribution throughout the house. Stale air is exhausted outside through the ventilator. Heat is transferred from one air stream to the other as the air passes through the opposite sides of the heat transfer core. ERV systems provide the added benefit of reducing the amount of humidity from the incoming air making ERVs a great choice for humid southern climates. HRV and ERV models also offer automatic defrost for colder climates.

Y8150 Fresh Air Ventilation Systems provide an economical way to work with the existing system fan to deliver outside air to the home, meeting the ASHRAE 62 standard. Intuitive, 'set it and forget it' programming keeps your customers from adjusting the controls, helping to reduce callbacks. With an overall low total installed cost, it is easy to wire in any orientation, requiring only the included damper, transformer and control.

Honeywell Ventilation Controls

Redesigned Prestige IAQ
Provide ventilation control from a single device, effortless programming and a wide range of comfort and energy saving features.

Digital Bath Fan Control
An economical — and aesthetically pleasing — way to meet ASHRAE Standard 62.2 with any single-speed bath fan, the control has four program setups and comes in both Empire White and Biscuit.

All-New VisionPRO
One convenient programmable control does it all: temperature, humidification, dehumidification and ventilation.

TrueIAQ®
Manage whole-house humidifiers, dehumidifiers, ventilators and bathroom fans from a single control. Plus, TrueIAQ delivers automatic humidity control based on both inside and outside temperatures to maximize efficiency.

W8150 Ventilation Control
Easily control fresh air according to ASHRAE ventilation standards. Intuitive "set it and forget it" programming reduces call backs.

Push Button Control
Boost control for ERV/HRV. Run high speed ventilation for 20-40-60 minutes as needed.

Wireless Vent and Filter Remote
A 20/40/60 minute ventilation timer that can be placed anywhere in the home where added ventilation or filtration is needed.

Ventilation System

	Model
Balanced Ventilation	
TrueFRESH™	VNT5150E1000
	VNT5200E1000
	VNT5150H1000
	VNT5200H1000
Supply Ventilation	
Y8150	Y8150A1009
	W8150A1001
Exhaust Ventilation	
Digital Bath Fan Control	HVC0001
	HVC0002
TrueFRESH™ Accessory	
Exhaust Ventilation	50053952-020
Wireless Vent and Filter Remote	HVC20A1000

Selection Guide

Type	Application			Performance				Features and Functions					Warranty
	Heat Transfer	Moisture Transfer	Automatic Defrost	Net Supply Airflow @ 0.2 in. wg	Sensible Recovery Efficieness	Total Recovery Efficiency	Input Current (amps)	Fan Speeds	Furnace Fan Interlock	HVI Certified	Insulated Cabinet	Washable Core	Limited Warranty
Energy Recovery Ventilator	•	•	•	185 CFM	67%	49%	1.5A	2	•	•	•	Yes	5-Year
Energy Recovery Ventilator	•	•	•	200 CFM	69%	53%	1.5A	2	•	•	•	Yes	5-Year
Heat Recovery Ventilator	•		•	192 CFM	78%		1.5A	2	•	•	•	Yes	5-Year
Heat Recovery Ventilator	•		•	229 CFM	71%		1.5A	2	•	•	•	Yes	5-Year
Economy Ventilation							0.25		•				5-Year
Economy Ventilation							0.25		•				5-Year
Exhaust Ventilation Control, White							Max Load 2.5A						5-Year
Exhaust Ventilation Control, Biscuit							Max Load 2.5A						5-Year
20-40-60 Minute													5-Year
20-40-60 Minute													5-Year

* Performance per CAN/CSA-C439-88

Water Solutions

With our popular zone valves, Aquastats, and the energy-saving Aquatrol™ you can meet just about every boiler room need with just one brand. AquaPUMP is the latest in Honeywell's complete lineup of hydronic heating solutions.

AquaPUMP eliminates the guesswork in the boiler room. With three sizes, multiple speeds for each size and the unique Twist-To-Fit flange, AquaPUMP has you covered for every application. And because a single AquaPUMP can replace a wide range of competitive models, you can handle nearly all retrofits with just one brand.

• Twist-To-Fit Universal Flange rotates 90° to fit every application
• Threaded conduit connection
• Stainless steel plate and can
• Impeller engineered for a quieter,
• more efficient operation
• Ceramic bearings and shaft
• Check valve available for all pumps separately
• 5-year Limited Warranty

Use this cross-reference tool to meet your installation needs. Each Honeywell circulator replaces both regular and rotated flange models.

| Honeywell | | | Grundfos | | Taco | | Bell & Gossett | Armstrong | Wilo | |
Model	Pump Length	Speed	Single Speed	3-Speed	Single Speed	3-Speed			Single Speed	3-Speed
PC3F1558IUF00	6.5"	High	UP-42F UP-42F-FC	UPS15-58 High UPS15-58-FC High	005F 007F 008F 008F-IFC	00R High 00R Med	NRF-22 LR-20WR	Astro 30 Astro 30-3 Astro 50-3 Astro 230C1	Star 16	Star S16 High
		Medium	UP15-42FC	UPS15-58 Low UPS15-58-FC Low	005F-IFC 006F 006F-IFC 007F-IFC	00R Low	NRF9F/LW NRF-25 Med			Star S16 Med
		Low	UP15-18F UP15-18F-FC							Star 5 S16 Low
PC3F2699IUF00	6.5"	High	UP26-96F UP26-96F-FC UP26-116F UP26-116F-FC	UPS26-99 High UPS26-99-FC High	0011F 0011F-IFC 0013F 0013F-IFC		NRF-36 Med NRF-45 Med H-41	E7 Astro 50 Astro 50-3	Star 30F Star 32F	S21 High
		Medium	UP26-64F UP26-99FC	UPS26-99 Low UPS26-99-FC Low	0014F 0014F-IFC		Series 100		Star 17 FX	S21 Med
		Low					NRF-33			Star S21 Low
PC3F4344IUF00	8.5"	High	UP43-44F UP43-44F-FC	UPS43-44 High UPS43-44-FC High			HV H-32	E16		
		Medium		UPS43-44 Med UPS43-44-FC Med	0010F 0012F-IFC	0010 Med	NRF-33	H32		
		Low		UPS43-44 Low UPS43-44-FC Low	0010F-IFC	0010 Low				

The information in this table is based on publicly available information as of the date of this publication. Honeywell is not liable if information is found to be incorrect.

If the cross referenced model uses a flow check valve, then use a flow check with the Honeywell model as well.

For all your hydronic heating needs,
the name to know is Honeywell.

Water Solutions/Hydronic Controls

When selecting a hydronic heating product for your next job, look for these Honeywell features:

- Application Flexibility
- ASSE Certified Thermostatic Mixing Valves
- Teflon™ Coated Thermostatic Elements
- Industry Leading Zone Valve Technology
- "In-Pipe" Serviceability
- Customizable Boiler Trim Kits

Aquatrol®
Hydronic Boiler & Zoning Controls

- Easy to select, install, set-up and troubleshoot
- Available with or without Outdoor Reset capability
- Modular design allows for future enhancements
- Easy-to-read backlit screen makes programming simple
- Pump and zone valve versatile
- Pre-programmed with most popular settings
- Zone of greatest demand control for increased energy efficiency with reduced boiler cycling
- Compatible with most digital thermostats*
- Dedicated 2-wire polarity insensitive thermostat allows for maximum efficiency

*Thermostats must have dry contact terminals

Switching Relays

R8845/RA889

- Provide switching of line- and low- voltage devices from a line- or low- voltage controller in oil-fired or gas-fired hydronic heating systems
- One model replaces several competitive models
- Replacement relay common to other Honeywell hydronic replacement controls
- Two troubleshooting LEDs and a push-to-test button

Boiler Trim Kits

- All boiler accessories in one convenient kit
- Includes SuperVent®, expansion tank and boiler fill valve/back flow preventer
- Tanks for potable water applications also available

V8043 1000 and 5000 Series

Zone Valve

- Innovative soft close motor technology reduces callbacks*
- Patented ball seal design provides a quality seal
- "Quick Fit" pushbutton actuator reduces service time*

*Thermostats must have dry connect terminals
**Available on 5000 series model only

V110 Series

Thermostatic Radiator Valve and T104 Radiator Actuator

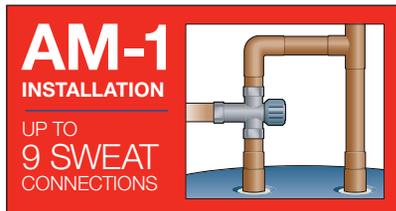- Provides precise and automatic control of room temperature in two-pipe systems
- Continually monitors and adjusts room temperature for consistent comfort
- Valve seat disc is made of resilient material (EPDM), ensuring tight shutoff on steam or hot water systems
- Actuator provides comfort and energy savings for individual room control

V200 Series

Standard Capacity Thermostatic Radiator Valve and T100 Radiator Actuator

- Continuously monitors and adjusts room temperature for consistent comfort
- Valve seat disc is made of resilient material (EPDM), ensuring tight shutoff on steam or hot water systems
- Actuator provides comfort and energy savings for individual room control
- Radiator valves - one-pipe steam TRV (V2043HSL10) includes 1/8" NPT connection, angle pattern valve body and steam vent

Water Solutions

Honeywell

Water Solutions/Potable Water Solutions

When selecting a potable product for your next job, look for these Honeywell features:

- Application Flexibility
- ASSE Certified Thermostatic Mixing Valves
- Teflon™ Coated Thermostatic Elements
- Industry Leading Zone Valve Technology
- "In-Pipe" Serviceability

AM-1
INSTALLATION
UP TO
9 SWEAT
CONNECTIONS

AMX
INSTALLATION
UP TO
6 SWEAT
CONNECTIONS

AMX 300
INSTALLATION
UP TO
2 SWEAT
CONNECTIONS

AMX300 Series
Point of Source Thermostatic Mixing Valve Kit

- Engineered for decreased installation time and increased profits
- Kit includes mixing device, cold water tee, and flexible 8" and 11" connectors
- Integrated recirculation and hot water ports (for optional use)
- Value Locking Clip included
- Helps prevent scalding injuries
- Reduces risk of legionella in water heater
- Get up to 50% more usable hot water

AMX Series
Point of Source Thermostatic Mixing Valve

- Patent-pending DirectConnect™ design for fast installation
- Integrated recirculation port allows for optional recirculation
- Available in multiple connection types
- Teflon coated wear surfaces for extended service

AM-1 Series
Point of Source Thermostatic Mixing Valve

- Available in multiple connection types
- Teflon® coating increases product life and reduces callbacks
- ASSE 1017 approved
- Lockable hand wheel prevents tampering
- Low Lead options available*

AM-1 1070 Series
Point of Use UnderSink Thermostatic Mixing Valve

- Available in multiple connection types
- Teflon® coating increases product life and reduces callbacks
- ASSE 1070 approved
- Lockable hand wheel prevents tampering
- Models for hydronic heating also available
- Low Lead options available*

DS06 Series
DialSet Pressure Regulating Valve

- Built-in adjustment dial eliminates the need for gauge when adjusting the static pressure setting
- The internal and external threading allows for use in thread-by-thred single-union or double-union configurations
- Noncorroding unitized cartridge contains all the working parts and is easily replaceable
- Outlet Pressure Adjustment ranges are suitable for household, light commercial, industrial and turf-and-irrigation applications
- Inlet pressure of 400 psi
- Flexibility to work in a variety of applications reduce inventory
- Includes tap on front and back for optional pressure gauge

SuperVent®
Air Eliminator

- Efficiently removes air from hydronic heating systems
- Easy "in-pipe" serviceability and maintenance
- Available in both sweat and NPT connections; sizes 1/2"-2"

SuperVent® Top
Air Vent

- Efficient high-point air vent for both heating and cooling systems
- Service check valve makes maintenance simple and easy
- Debris baffle controls dirt fouling and helps to prevent failure

Water Solutions

* Low lead Content <.25% by weighted average. Existing part numbers followed directly by "LF"

Honeywell

Ventilation and Zone Valve Selection Guide

Picture	Model	Specifications					
		Connection Type	Connection Size	Cv	Max GPM	Max Operating Temp	Max Pressure (psi)
PV Series SuperVent®	PV075/U	NPT	3/4"	13	10	240˚ F (110˚ C)	125
	PV075S/U	Sweat	3/4"	13	10	240˚ F (110˚ C)	125
	PV100/U	NPT	1"	22	16	240˚ F (110˚ C)	125
	PV100S/U	Sweat	1"	22	16	240˚ F (110˚ C)	125
	PV125/U	NPT	1 1/4"	38	28	240˚ F (110˚ C)	125
	PV125S/U	Sweat	1 1/4"	38	28	240˚ F (110˚ C)	125
	PV150/U	NPT	1 1/2"	53	38	240˚ F (110˚ C)	125
	PV200/U	NPT	2"	95	62	240˚ F (110˚ C)	125
	PVU075/U	Universal	3/4"	3.6	10	240˚ F (110˚ C)	125
	PVU100/U	Universal	1"	6.2	16	240˚ F (110˚ C)	125
	PVU125/U	Universal	1 1/4"	10.5	28	240˚ F (110˚ C)	125
	PVU150/U	Universal	1 1/2"	14.3	38	240˚ F (110˚ C)	125
SuperVent® Top	SV173	NPT	3/8"	N/A	N/A	240˚ F (115˚ C)	150
	SV175	NPT	1/2"	N/A	N/A	240˚ F (115˚ C)	150
*Includes check valve							
FV Series GoldTop™	FV180	NPT	1/8"	N/A	N/A	240˚ F (115˚ C)	150
	FV180A	NPT	1/4"	N/A	N/A	240˚ F (115˚ C)	150
	FV183	NPT	3/4"	N/A	N/A	240˚ F (115˚ C)	150

Zone Valve Selection Guide

Picture	Model	Specifications					
		Connection Type	Connection Size	Connectability	Cv	Max Close-off Pressure (psi)	Max Fluid Temperature
5000 Series	V8043A5011/U	Sweat	1/2"	Lead Wires	3.5	20	200˚ F (93˚ C)
	V8043A5029/U	Sweat	3/4"	Lead Wires	3.5	20	200˚ F (93˚ C)
	V8043E5004/U	Sweat	1/2"	End Switch, Lead Wires	3.5	20	200˚ F (93˚ C)
	V8043E5012/U	Sweat	3/4"	End Switch, Lead Wires	3.5	20	200˚ F (93˚ C)
	V8043E5020/U	Sweat	1"	End Switch, Lead Wires	3.5	20	200˚ F (93˚ C)
	V8043E5061/U	Sweat	3/4"	End Switch, Lead Wires	8	8	200˚ F (93˚ C)
	V8043E5079/U	Sweat	1"	End Switch, Lead Wires	8	8	200˚ F (93˚ C)
	V8043F5036/U	Sweat	3/4"	End Switch, Screw Term.	3.5	20	200˚ F (93˚ C)
	V8043F5051/U	Sweat	1"	End Switch, Screw Term.	3.5	20	200˚ F (93˚ C)
	V8043F5093/U	Sweat	3/4"	End Switch, Screw Term.	8	8	200˚ F (93˚ C)
1000 Series	V8043A1011/U	Sweat	1/2"	Lead Wires	3.5	20	200˚ F (93˚ C)
	V8043A1029/U	Sweat	3/4"	Lead Wires	3.5	20	200˚ F (93˚ C)
	V8043B1027/U[1]	Sweat	3/4"	Lead Wires	3.5	20	200˚ F (93˚ C)
	V8043E1004/U	Sweat	1/2"	End Switch, Lead Wires	3.5	20	200˚ F (93˚ C)
	V8043E1012/U	Sweat	3/4"	End Switch, Lead Wires	3.5	20	200º F (93º C)
	V8043E1020/U	Sweat	1"	End Switch, Lead Wires	3.5	20	200º F (93º C)
	V8043E1061/U	Sweat	3/4"	End Switch, Lead Wires	8	8	200º F (93º C)
	V8043E1079/U	Sweat	1"	End Switch, Lead Wires	8	8	200º F (93º C)
	V8043F1036/U	Sweat	3/4"	End Switch, Screw Terminals	3.5	20	200º F (93º C)
	V8043F1051/U	Sweat	1"	End Switch, Screw Terminals	3.5	20	200º F (93º C)
	V8043F1093/U	Sweat	3/4"	End Switch, Screw Terminals	8	8	200º F (93º C)
	V8043F1101/U	Sweat	1"	End Switch, Screw Terminals	8	8	200º F (93º C)
	V8043F1135/U[2]	Sweat	3/4"	End Switch, Screw Terminals	3.5	20	200º F (93º C)
	V8044A1010/U[3]	Sweat	1/2"	Lead Wires	4	20	200º F (93º C)
	V8044A1044/U[3]	Sweat	3/4"	Lead Wires	7	10	200º F (93º C)
	V8044E1011/U[3]	Sweat	3/4"	End Switch, Lead Wires	7	10	200º F (93º C)

Materials	Features & Functions					Upgrade Cross-Reference			
	90 Degree Rotation Vent	360 Degree Rotating Vent Collar	Stainless Steel Concentrator	Dirt Baffle	Removable Vent Assembly	Spirotherm	Taco	Danfoss	B&G
Bronze	•	•	•	•	•	VJR075FT	49-075	551045DNF	EASB-3/4 JR
Bronze	•	•	•	•	•	VJS075FT			EASB-3/4S JR
Bronze	•	•	•	•	•	VJR100TM	49-100	551046DNF	EASB-1 JR
Bronze	•	•	•	•	•	VJS100TM			EASB-1S JR
Bronze	•	•	•	•	•	VJR125TM	49-125	551047DNF	EASB-1-1/4 JR
Bronze	•	•	•	•	•	VJS125TM			EASB-1-1/4S JR
Bronze	•	•	•	•	•	VJR150TM	49-150	551048DNF	EASB-1-1/2 JR
Bronze	•	•	•	•	•	VJR200TM		551049DNF	
Bronze	•	•	•	•	•	VJV075FT			
Bronze	•	•	•	•	•	VJV100FT			
Bronze	•	•	•	•	•	VJV125FT			
Bronze	•	•	•	•	•				
Brass				•	•	VTP050FT	409		
Brass				•	•	VTP050FT	409		
Brass							400	FV-4M1 0590715	97
Brass							426	FV-4M1 0590716	
Brass							418	FV-4M1 0590723	86

Features & Functions							Upgrade Cross-Reference		
Soft Close Technology	Silent Actuator Operation	Valve In-the-Pipe Serviceable	Push-Button Quick Fit	Metal Selector Gear	Actuator Backward Compatible	Spring Return Swing Type Rotating Ball Plug	Erie	White-Rodgers	Caleffi
•	•	•	•	•	•	•	VT2213G13A020		Z421433
•	•	•	•	•	•	•	VT2313G13A020		Z421533
•	•	•	•	•	•	•	VT2213G13A02A	13S16-101	Z411433
•	•	•	•	•	•	•	VT2313G13A02A	13S16-102	Z411533
•	•	•	•	•	•	•	VT2413G13A02A	13S16-103	Z411633
•	•	•	•	•	•	•	VT2317G13A02A		Z411537
•	•	•	•	•	•	•	VT2417G13A02A	13SH16-103	Z411637
•	•	•	•	•	•	•	VT2313G13A01A		Z451533
•	•	•	•	•	•	•	VT2413G13A01A		Z451633
•	•	•	•	•	•	•	VT2317G13A01A		Z451537
	•		•			•	VT2213G13A020		
	•		•			•	VT2213G13A020		
	•		•			•	VT2313G23A020	13S05-102	
	•		•			•	VT2213G13A02A	13S16-101	Z44
	•		•			•	VT2213G13A02A	13S16-102	Z45
	•		•			•	VT2415G13A02A	13S16-103	
	•		•			•	VT2317G13A02A	13SH16-102	
	•		•			•	VT2417G13A0SA	13SH16-103	Z46
	•		•			•	VT2413G13A01A		
	•		•			•	VT2413G13A01A		
	•		•			•	VT2317G13A01A		Z55
	•		•			•	VT2417G13A01A		Z56
	•		•			•	VT2413G13A01A		
	•		•			•	VT3213G13A020		
	•		•			•	VT3317G13A020		
	•		•			•	VT3317G13A02A		

Honeywell

Mixing Valve Selection Guide

Picture	Model	Temp Range	Certification	Low Lead Option Available*	Point-of-Use	Point-of-Source	Heating Only (High Temp Range)	Connection Type	Connection Size
Point-of-Source									
	AMX300T (8" Model)	100-145º F (38-62º C)		•		•		NPT	3/4"
*CV Rating varies with mixed water temperature. See installation manual for details.	AMX302T (11" Model)	100-145º F (38-62º C)		•		•		NPT	3/4"
AMX Mixing Valves	AMX100-US-1	90-130° F (32-54° C)	ASSE1017	•		•		US	1/2"
	AMX101-US-1	90-130° F (32-54° C)	ASSE1017	•		•		US	3/4"
	AMX102-US-1	90-130° F (32-54° C)	ASSE1017	•		•		US	1"
	AMX100-UT-1	90-130° F (32-54° C)	ASSE1017	•		•		UT	1/2"
	AMX101-UT-1	90-130° F (32-54° C)	ASSE1017	•		•		UT	3/4"
	AMX102-UT-1	90-130° F (32-54° C)	ASSE1017	•		•		UT	1"
	AMX100-UCPVC-1	90-130° F (32-54° C)	ASSE1017	•		•		UCPVC	1/2"
	AMX101-UCPVC-1	90-130° F (32-54° C)	ASSE1017	•		•		UCPVC	3/4"
	AMX100-UPEX-1	90-130° F (32-54° C)	ASSE1017	•		•		UPEX	1/2"
	AMX101-UPEX-1	90-130° F (32-54° C)	ASSE1017	•		•		UPEX	3/4"
AM-1 Series Mixing Valves	AM100-1	100-145° F (38-62° C)	ASSE 1017	•		•		NPT	1/2"
	AM100-UCPVC-1	100-145° F (38-62° C)	ASSE 1017	•		•		UCPVC	1/2"
	AM100-UPEX-1	100-145° F (38-62° C)	ASSE 1017	•		•		NPT	1/2"
	AM100C-1	80-120° F (27-49° C)	ASSE 1017	•		•		NPT	1/2"
	AM100C-UCPVC-1	80-120° F (27-49° C)	ASSE 1017	•		•		UCPVC	1/2"
	AM100C-UPEX-1	80-120° F (27-49° C)	ASSE 1017	•		•		UPEX	1/2"
	AM101-1	100-145° F (38-62° C)	ASSE 1017	•		•		NPT	3/4"
	AM101-UCPVC-1	100-145° F (38-62° C)	ASSE 1017	•		•		UCPVC	3/4"
	AM101-UPEX-1	100-145° F (38-62° C)	ASSE 1017	•		•		UPEX	3/4"
	AM101C-1	80-120° F (27-49° C)	ASSE 1017	•		•		NPT	3/4"
	AM101C-UCPVC-1	80-120° F (27-49° C)	ASSE 1017	•		•		UCPVC	3/4"
	AM101C-UPEX-1	80-120° F (27-49° C)	ASSE 1017	•		•		UPEX	3/4"
	AM102-1	100-145° F (38-62° C)	ASSE 1017	•		•		NPT	1"
	AM102C-1	80-120° F (27-49° C)	ASSE 1017	•		•		NPT	1"
	AM100-US-1	100-145° F (38-62° C)	ASSE 1017	•		•		US	1/2"
	AM100C-US-1	80-120° F (27-49° C)	ASSE 1017	•		•		US	1/2"
	AM101-US-1	100-145° F (38-62° C)	ASSE 1017	•		•		US	3/4"
	AM101C-US-1	80-120° F (27-49° C)	ASSE 1017	•		•		US	3/4"
	AM102-US-1	100-145° F (38-62° C)	ASSE 1017	•		•		US	1"
	AM102C-US-1	80-120° F (27-49° C)	ASSE 1017	•		•		US	1"
	AM100-UT-1	100-145° F (38-62° C)	ASSE 1017	•		•		UT	1/2"
	AM100C-UT-1	80-120° F (27-49° C)	ASSE 1017	•		•		UT	1/2"
	AM101-UT-1	100-145° F (38-62° C)	ASSE 1017	•		•		UT	3/4"
	AM101C-UT-1	80-120° F (27-49° C)	ASSE 1017	•		•		UT	3/4"
	AM102-UT-1	100-145° F (38-62° C)	ASSE 1017	•		•		UT	1"
	AM102C-UT-1	80-120° F (27-49° C)	ASSE 1017	•		•		UT	1"
Point-of-Use									
AM-1 1070 Mixing Valves	AM100C1070-US-1	70-120° F (21-49° C)	ASSE 1070 & ASSE 1017	•	•	•		US	1/2"
	AM100C1070-UCPVC-1	70-120° F (21-49° C)	ASSE 1070 & ASSE 1017	•	•	•		UCPVC	1/2"
	AM100C1070-UPEX-1	70-120° F (21-49° C)	ASSE 1070 & ASSE 1017	•	•	•		UPEX	1/2"
	AM101C1070-US-1	70-120° F (21-49° C)	ASSE 1070 & ASSE 1017	•	•	•		US	3/4"
	AM101C1070-UCPVC-1	70-120° F (21-49° C)	ASSE 1070 & ASSE 1017	•	•	•		UCPVC	1/2"
	AM101C1070-UPEX-1	70-120° F (21-49° C)	ASSE 1070 & ASSE 1017	•	•	•		UPEX	1/2"
	AM102C1070-US-1	70-120° F (21-49° C)	ASSE 1070 & ASSE 1017	•	•	•		US	1"
	AM100C1070-UT-1	70-120° F (21-49° C)	ASSE 1070 & ASSE 1017	•	•	•		UT	1/2"
	AM101C1070-UT-1	70-120° F (21-49° C)	ASSE 1070 & ASSE 1017	•	•	•		UT	3/4"
	AM102C1070-UT-1	70-120° F (21-49° C)	ASSE 1070 & ASSE 1017	•	•	•		UT	1"
*Union CPVC & PEX connections available									
Heating ONLY - Not for Potable Usage									
AM-1 R Models (Heating Only)	AM100R-US-1	70-180° F (21-82° C)					•	US	1/2"
	AM101R-US-1	70-180° F (21-82° C)					•	US	3/4"
	AM102R-US-1	70-180° F (21-82° C)					•	US	1"
	AM100R-UT-1	70-180° F (21-82° C)					•	UT	1/2"
	AM101R-UT-1	70-180° F (21-82° C)					•	UT	3/4"
	AM102R-UT-1	70-180° F (21-82° C)					•	UT	1"
	AM100R-UPEX-1	70-180° F (21-82° C)					•	UPEX	1/2"
	AM101R-UPEX-1	70-180° F (21-82° C)					•	UPEX	3/4"
	AM102R-UPEX-1	70-180° F (21-82° C)					•	UPEX	1"

* Low lead Content option available. For this option add "LF" directly behind existing part number (example, AM100-1LF)

Functions		Competitive Cross-Reference						
CV	Internal Check Valve	Cash Acme	Conbraco	Danfoss	Powers	Taco	Watts	Wilkins
2.1*								
2.1*								
4.0	•							
4.0	•							
4.0	•							
4.0	•							
4.0	•		PATENT NO. 7,744,007					
4.0	•							
4.0	•							
4.0	•							
4.0	•							
4.0	•							
3.2			TV-T 1/2"	30 MR				
3.2			TV-T 1/2"	30 MR				
3.2			TV-T 1/2"	30 MR				
3.2	•	110-D 1/2", 160 1/2"		30 HR 1/2" NPT, 30 HV 1/2" NPT	E480			ZW1070
3.2	•	110-D 1/2", 160 1/2"		30 HR 1/2" NPT, 30 HV 1/2" NPT	E480			ZW1070
3.2	•	110-D 1/2", 160 1/2"		30 HR 1/2" NPT, 30 HV 1/2" NPT	E480			ZW1070
3.8		115-H 3/4"	TV-T 3/4"					
3.8		115-H 3/4"	TV-T 3/4"					
3.8		115-H 3/4"	TV-T 3/4"					
3.8	•	110-D 3/4", 160 3/4"		30 HR 3/4" NPT, 30 HV 3/4" NPT				ZW1017MM, ZW1070
3.8	•	110-D 3/4", 160 3/4"		30 HR 3/4" NPT, 30 HV 3/4" NPT				ZW1017MM, ZW1070
3.8	•	110-D 3/4", 160 3/4"		30 HR 3/4" NPT, 30 HV 3/4" NPT				ZW1017MM, ZW1070
4.3		115-H 1"						
4.3	•	110-D 3/4", 160 3/4"		30 HR 3/4" NPT, 30 HV 3/4" NPT				ZW1017MM, ZW1070
3.9	•	110-H 1/2"	34A 1/2", TV-S 1/2"			5002-C1		
3.9	•	110-D 1/2", 160 1/2"	34B 1/2"	30 HR 1/2" US, 30 HV 1/2" US	E490-2		MMV US 1/2", 1170 US 1/2"	ZW1070
3.9	•	110-H 3/4"	34A 3/4", TV-S 3/4"			5003-C1		
3.9	•	110-D 3/4", 160 3/4"	34B 3/4"	30 HR 3/4" US, 30 HV 3/4" US	E491-2		MMV US 3/4", 1170 US 3/4"	ZW1017MM, ZW1070
3.9	•	110-H 1"	34A 1"					
3.9	•	110-D 1", 160 1"	34B 1"		E492-2		MMV US 1", 1170 US 1"	ZW1017MM, ZW1070
3.9	•							
3.9	•	110-D 1/2", 160 1/2"	34B 1/2"		E490-1		MMV UT 1/2", 1170 UT 1/2"	
3.9	•		34A 3/4"					
3.9	•	110-D 3/4", 160 3/4"	34B 3/4"		E491-1		MMV UT 3/4", 1170 UT 3/4"	
3.9	•		34A 1"					
3.9	•	110-D 1", 160 1"	34B 1 "		E492-1		MMV UT 1", 1170 UT 1"	
1.8	•							
1.8	•							
1.8	•							
1.8	•							
1.8	•							
1.8	•							
1.8	•							
1.8	•							
1.8	•							
1.8	•							
3.9			34H 1/2"					L1170 US 1/2"
3.9			34H 3/4"				L1170 US 3/4"	
3.9			34H 1"				L1170 US 1"	
3.9			34H 1/2"				L1170 UT 1/2"	
3.9			34H, 34C 3/4"				L1170 UT 3/4"	
3.9			34H / 34C 1"				L1170 UT 1"	
3.9			34H 1/2"				L1170 UT 1/2"	
3.9			34H, 34C 3/4"				L1170 UT 3/4"	
3.9			34H / 34C 1"				L1170 UT 1"	

Residential Combustion/Gas Controls

The only thing we can't replace is you! In the HVAC industry today time is money, particularly in the

service department, which means time lost is money lost. With a part strategy that includes Honeywell's

Universsal products, you'll have the right party nearly every time.

Q314U/Q345U/Q348U/Q3451U
Universal Pilot Burners

- Replace over 120 Honeywell and OEM pilot burners for standing or intermittent pilot applications
- Adjustable Target-style or batwing hoods depending on model
- For Natural and LP applications

Glowfly® Universal Hot Surface Igniter

- The toughest technology: next generation OEM silicon nitride
- Available in single units or convenient 6-packs
- Custom designed bracketing
- Heats up faster than silicon carbide igniters for optimum light off
- Replaces over 110 OEM igniters

ST9120U1011
Universal Electric Fan Timer Board

- Integrates control of all combustion blower and circulating fan operations in a gas warm-air appliance
- Universal platform that will replace existing Honeywell ST9120's, ST9101's, ST9141's, and ST9160's
- DIP switch selectable heat and cool delay on and off times.
- EAC and HUM convenience terminal connections and continuous low speed indoor air circulation are provided

S9200U1000
Universal Hot Surface Ignition Integrated Furnace Control

- Replaces over 195 competitive models
- Complete set of wiring harnesses included for universal compatibility and simplified wiring
- LED indicators provide system status, performance and diagnostic information
- EnviraCOM™-enabled for easy set-up or remote monitoring and diagnostics

VR8345/VR8245
Universal Electronic Ignition Gas Valve

- Wide-capacity control for almost any IP, HIS or DSI gas-fired appliances
- Compact fit simplifies field replacement
- Use with 24 VAC, 50/60 Hz heating appliances, using natural, manufactured or LP gas
- Capacities from 20 to 200 (VR8245) cfh or 30 to 415 (VR8345) cfh natural gas
- True dual-redundant gas valve design

VR8300
Universal Standing Pilot Gas Valve

- Combination gas controls for use in 24 VAC, 50/60 Hz gas fired, standing pilot appliances with capacities from 30 to 300 cfh natural gas
- Includes safety shutoff, manual valve, two automatic operators, pressure regulator and pilot adjustment
- Universal replacement for virtually all Honeywell and competitive valve models

S8610U
Universal Intermittent Pilot Ignition Module

- Direct pilot flame current readout with standard micro-ammeter
- Works in both single-rod or dual-rod applications
- Field selectable pre-purge and ignition trial timings
- Single LED provides status and diagnostic information
- Integral damper connections
- Replaces over 400 Honeywell and competitive models

S8910U
Universal Hot Surface Ignition Module

- Easy field replacement for most hot surface ignition modules
- Single-rod or dual-rod application
- LED diagnostics and field-adjustable ignition timings
- Replaces over 650 Honeywell and competitive products

SmartValve™

- Family covers the full range of opening characteristics (slow, normal, fast) and ignition systems
- Universal kits include natural to LP conversion and 3/4" to 1/2" bushings
- Universal family increases service efficiency and reduces truck and warehouse inventory
- Input Voltage test harness: Order part #396085
- Flame Current Test kit: Order part #395466

Honeywell 55

Universal Pilot Burners

Q314U
Standing Pilot

- Target-style pilot burner
- Three position adjustable hood

Q345U
Intermittent Pilot

- Target-style pilot burner
- Three position adjustable hood

Q314U Cross Reference

Part Number	Use Hood	Set Hood	Orifice*	Compression Fitting	Bracket	Gas Type
Q314A3471	AS	L	As Shipped	1/8 in.	No	NAT
Q314A3513	AS	F	As Shipped	1/4 in.	Yes	NAT
Q314A3547	AS	L	As Shipped	1/4 in.	Yes	NAT
Q314A3679	AS	L	As Shipped	1/4 in.	No	NAT
Q314A3687	AS	F	As Shipped	1/4 in.	No	NAT
Q314A3703	AS	L	Green Bag	1/4 in.	No	LP
Q314A3729	AS	R	As Shipped	1/4 in.	No	NAT
Q314A3737	AS	F	As Shipped	1/4 in.	No	NAT
Q314A3802	AS	F	Green Bag	1/4 in.	No	LP
Q314A3828	AS	F	Green Bag	1/4 in.	No	LP
Q314A4586	AS	F	•	1/4 in.	•	•
Q314A6094	AS	L	•	1/4 in.	•	•
Q314A6102	AS	R	•	1/4 in.	•	•
Q314A6557	AS	F	As Shipped	1/4 in.	No	NAT
Q314A6631	AS	F	As Shipped	1/8 in.	No	NAT
Q314A6862	AS	F	•	•	No	•
Q314A6946	AS	L	As Shipped	1/4 in.	No	NAT
Q314A6953	AS	L	Green Bag	1/4 in.	No	LP
Q314A6961	AS	R	As Shipped	1/4 in.	No	NAT
Q314A9015	AS	R	As Shipped	1/4 in.	Yes	NAT
Q314U1001	•	•	•	•	•	•
Q350A1065	LB	F	Pink Bag	1/4 in.	No	NAT
Q350A1222	LB	L	Pink Bag	1/4 in.	No	NAT
Q350A1271	LB	R	Light Blue Bag	1/4 in.	No	NAT
Q350A1305	LB	R	Pink Bag	1/4 in.	No	NAT
Q350A1321	LB	L	Pink Bag	1/4 in.	No	NAT
Q350A1545	LB	L	Pink Bag	1/4 in.	Yes	NAT
Q350A1644	LB	L	Pink Bag	1/8 in.	No	NAT
Q350A1677	LB	L	Pink Bag	1/8 in.	No	NAT
Q350A1859	LB	R	Yellow Bag	1/4 in.	No	LP
Q350A1867	LB	L	Yellow Bag	1/4 in.	Yes	LP
Q350A2097	LB	F	Light Blue Bag	1/4 in.	No	NAT
Q350A2212	LB	F	Pink Bag	1/4 in.	No	NAT
Q350A2287	LB	R	•	•	Yes	•

As Shipped   BCR-18   0.018 in.
Yellow Bag   BBF-8   0.008 in.
Green Bag   BBR-10   0.010 in.
Pink Bag   CAR-12   0.012 in.
Light Blue Bag   CAR-13   0.013 in.

Q345U Cross Reference

Part Number	Set Hood	Orifice*	Compression Fitting	Bracket	Gas Type
Q345A1008	L	Orange Bag	1/4 in.	No	NAT
Q345A1016	L	Gray Bag	1/4 in.	No	LP
Q345A1024	F	Orange Bag	1/4 in.	No	NAT
Q345A1065	F	Orange Bag	1/4 in.	Yes	NAT
Q345A1156	F	As Shipped	1/4 in.	No	NAT
Q345A1305	F	Orange Bag	1/4 in.	•	NAT
Q345A1313	L	Orange Bag	1/4 in.	•	NAT
Q345A1321	R	Orange Bag	1/4 in.	•	NAT
Q345A1446	L	Red Bag	1/4 in.	Yes	LP
Q345A1701	F	Orange Bag	1/4 in.	No	NAT
Q345A1750	F	Orange Bag	1/8 in.	No	NAT
Q345A1818	L	Orange Bag	1/8 in.	No	NAT
Q345A2030	L	As Shipped	1/4 in.	No	NAT
Q345A2055	F	As Shipped	1/4 in.	No	NAT
Q345A2196	L	As Shipped	1/4 in.	Yes	NAT
Q345A2360	L	Orange Bag	1/4 in.	No	NAT
Q345A2386	L	Red Bag	1/4 in.	No	LP
Q345A2402	L	As Shipped	1/4 in.	No	NAT
Q345A2816	L	Orange Bag	1/4 in.	No	NAT
Q345A2824	L	Gray Bag	1/4 in.	No	LP
Q345AFA	F	•	•	Yes	•
Q345AFB	F	•	•	No	•
Q345AFK	F	•	•	No	•
Q345AKB	R	•	•	No	•
Q345ALA	L	•	•	Yes	•
Q345ALB	L	•	•	No	•
Q345U1005	•	•	•	•	•

As Shipped   BCR-20   0.020 in
Orange Bag   BCR-18   0.018 in.
Gray Bag   BBR-12   0.012 in.
Red Bag   BBR-11   0.011 in.

Q348U
Intermittent Pilot

- 1" Batwing-style pilot burner

Q3451U
Intermittent Pilot

- Target-style pilot burner with integral ignition lead
- Three position adjustable hood

Q348U Cross Reference

Part Number	Orifice*	Compression Fitting	Bracket	Gas Type
Q348A1002	As Shipped	1/4 in.	No	NAT
Q348A1010	Brown Bag	1/4 in.	No	LP
Q348A1101	As Shipped	1/4 in.	Yes	NAT
Q348A1226	Blue Bag	1/4 in.	No	NAT
Q348A1275	White Bag	1/8 in.	No	NAT
Q348A1333	As Shipped	1/8 in.	No	NAT
Q348A1341	Brown Bag	1/8 in.	No	LP
Q348AAA	•	•	Yes	•
Q348AAB	•	•	No	•
Q348U1009	•	•	•	•

As Shipped NE22 0.022 in.
Blue A26 0.026
White KF24 0.024
Brown KR14 0.014

Notes

* = Colors refer to the color of the label on the bag
• = Check Application
AS = As Shipped
LB = Low-BTU Hood (in bag)
L = Left
F = Front
R = Right
NAT = Natural Gas
LP = LP Gas

Q3451U Cross Reference

Part Number	Hood Angle	Orifice*	Compression Fitting	Igniter Lead	Gas Type
Q3451B1004	L	Orange Bag	1/4 in.	36 in.	NAT
Q3451B1079	F	Purple Bag	1/4 in.	36 in.	LP
Q3451B1095	F	Orange Bag	1/4 in.	36 in.	NAT
Q3451B1103	L	Orange Bag	1/4 in.	55 in.	NAT
Q3451B1178	L	Orange Bag	1/4 in.	55 in.	NAT
Q3451B1186	F	Orange Bag	1/4 in.	55 in.	NAT
Q3451B1194	F	Purple Bag	1/4 in.	55 in.	LP
Q3451B1236	L	Gray Bag	1/4 in.	55 in.	LP
Q3451B1244	L	Orange Bag	1/4 in.	55 in.	NAT
Q3451B1301	L	As Shipped	1/4 in.	36 in.	NAT
Q3451B1707	L	Red Bag	1/4 in.	36 in.	LP
Q3451B1715	L	•	1/4 in.	36 in.	•
Q3451B2002	F	Orange Bag	1/4 in.	36 in.	NAT
Q3451B2010	F	Orange Bag	1/8 in.	36 in.	NAT
Q3451B2036	F	Orange Bag	1/4 in.	36 in.	NAT
Q3451B2044	F	Orange Bag	1/4 in.	55 in.	NAT
Q3451B2077	F	As Shipped	1/4 in.	36 in.	NAT
Q3451B2085	F	Gray Bag	1/4 in.	36 in.	LP
Q3451B2101	F	Orange Bag	1/4 in.	55 in.	NAT
Q3451B3018	R	Orange Bag	1/4 in.	36 in.	NAT
Q3451B3026	R	Orange Bag	1/8 in.	36 in.	NAT
Q3451B3067	R	Orange Bag	1/4 in.	36 in.	NAT
Q3451B3083	R	Orange Bag	1/4 in.	36 in.	NAT
Q3451BF	F	•	•	•	•
Q3451BK	R	•	•	•	•
Q3451BL	L	•	•	•	•
Q3451K2002	F	As Shipped	1/4 in.	55 in.	NAT
Q3451K2010	F	Gray Bag	1/4 in.	55 in.	LP
Q3451K2028	F	As Shipped	1/4 in.	55 in.	NAT
Q3451KF	F	•	•	•	•
Q3451U1000	•	•	•	•	•

As Shipped BCR-20 0.020 in.
Purple BCR-10 0.010
Red BBR-11 0.011
Gray BBR-12 0.012
Orange BCR-18 0.018
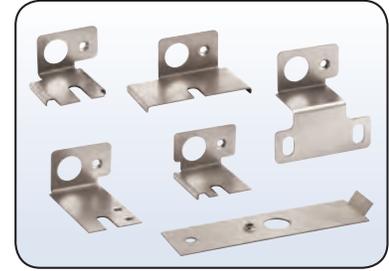
Combustion
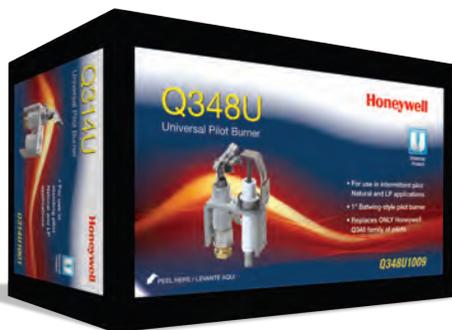
Glowfly®

Six Pack   Single Pack

Match and mount simplicity.
Simply remove the old igniter and compare it with the diagrams on Glowfly's unique packaging guide to determine the correct mounting bracket for the job.

Six brackets. 110+ possibilities.
Every Glowfly comes fully equipped with six custom mounting brackets that are optimized to replace over 110 igniter applications from nearly every furnace manufacturer without modification.

MANUFACTURER	OEM #	Q3200U BRACKET[b]
American Road Equip.	201W	A
Arco Air	1096048	D
	1380680	
Armstrong Air	38322B001	A
Carrier/ Bryant/ Payne	LH33ZS001	B or E[c]
	LH33ZS001A	
	LH33ZS002	
	LH33ZS002A	
	LH33ZS003	
	LH33ZS003A	
	LH33ZS004	
Claire Bros.	C-238	A
	C242	
Coleman	1474-051	A
	1474-052	
Comfort Maker	1096048	D
Detroit Radiant	201D	A
DMO Ind.	20834	A
Dornback Furnace	271W	A
Ducane	20015201	B
Enero Tech	10399	A
Evcon	1474-051	A
	1474-052	
Evcon Coleman	025-32625-000	B
Goodman	B1401009	D
	B1401018	C
	B1401018S	D
HB Smith	50018	A
Heil	1096048	D
Hupp Industries	09050	A
Intercity	1009604	D
	1096048	
Majestic	75-92-104	A
	75-92-105	
Metzger	201N	A
	201W	

MANUFACTURER	OEM #	Q3200U BRACKET[b]
Modine	5H76032A	C
Mor-Flo	3200618	A
	511-330-193	B
Nordyne	105141000	A
	632-0770	
	632-0880	
Norton/St Gobain	201	B
	271	
	201D	A
	201K	
	201L	
	201N	
	201R	
	201W	
	271N	
	271NM	D
	271P	A
	271W	
Raypak	600915	B
Rheem	62-22441-01	A
Roberts Gordon	90434300	B
	90436600	A
Robertshaw	41-402	A
	41-403	B
	41-404	B
	41-405	A
	41-407	B
	41-408	A
	41-409	B
	41-410	A
	41-412	D
	41-418	C
Snyder General	1380654	B
	1380672	
	1380680	
Superior Fireplace	94851	A

MANUFACTURER	OEM #	Q3200U BRACKET[b]
Tempstar	1096048	D
Trane	340039P01	A
	B138196P01	B
	B144676P01	A
	B144676P02	B
	B340039P01	A
	IGN23	A
	IGN26	B
	IGN30	B
	IGN34	A
Viessman	9302-094	A
Wayne Home Equip.	62821-001	A
	62821-002	
Weil McLain	511-330-139	B
	511-330-190	
	511-330-193	
White LB	120-07549	A
White-Rodgers	767A-301	A
	767A-303	F
	767A-306	A
	767A-311	
	767A-350	
	767A-353	F
	767A-354	A
	767A-357	F
	767A-361	A
	767A-364	
	767A-366	
	767A-370	B
	767A-371	A
	767A-372	A
	767A-373	D
	767A-376	B
	767A-377	A
	767A-382	B
Williamson	9050	A
York	025-27766-000	A
	025-27774-000	
	025-29043-000	
	025-29050-000	

[a] Table data is correct to the best of Honeywell's knowledge as of this publication's date. However, some appliances may have igniter applications that are beyond the capabilities of this kit.
[b] For igniters that require bracket A, use the template to determine the tab to be removed.
[c] For Carrier sealed combustion furnaces, you must use bracket E and retain the existing orange gasket for use with bracket E.

ST9120U Universal Electronic Fan Timer

ST9120U replaces over 44 existing models				
ST9101A1006	ST9120C2028	ST9120D3009	ST9150A1003	ST9160B1027
ST9101A1014	ST9120C3000	ST9120G2024	ST9150B2000	ST9160B1035
ST9120C1012	ST9120C3018	ST9120G2032	ST9150B2018	ST9160B1043
ST9120C1020	ST9120C4008	ST9120G4004	ST9150B2026	ST9160B1050
ST9101A1022	ST9120C4016	ST9120G4038	ST9150B2034	ST9160B1068
ST9120A2005	ST9120C4040	ST9120U1003	ST9150C4057	ST9160B1076
ST9120B1004	ST9120C4057	ST9141A1002	ST9160A1002	ST9160B1084
ST9120C2002	ST9120C5005	ST9141A1028	ST9160B1001	ST9160C1000
ST9120C2010	ST9120C5013	ST9141B1001	ST9160B1019	ST9160C1018

S9200U Universal Integrated Furnace Control

S9200U1000 Replaces These Integrated Furnace Controls	
OEM Brand	SKU
Amana/Goodman	10207704, 10207706, 10207714, 10207719, 102077-02, 102077-03, 102077-04, 102077-09, 102077-19, 1809913, 10207701, 10207702, 10207703,10207710, B1809913, B18099-13
ICM	ICM280
ICP	1010806, 1380686, 1380698, 1380699, 1380-686, 1380-699
Lennox	X445901, 1214201
Nordyne	624591, 624557, 624564, 624628, 902378, 902696, 903106, 6245570, 6245640, 6246310, 624557-0, 624591A, 624591-A, 624591-B, 624591-C, 624591-D, 624628-0, 624631-0, 624631A, 624631-A, 624631-B, 710128A, CAR903106
Other Manufacturers	350486, 8068142, 8068561, 8068563, 10334901, 99958174, 99958175, X13120666010
Rheem/Robertshaw	62-24268-01, 62-24268-02, 62-24268-03, 695-200
Texas Instruments	41F-5, 61F3, 6DT-1, 6DT-2
Trane	CNT03740, CNT1309, CNT1616, CNT1848, CNT1849, CNT2181, CNT2182, CNT2183, CNT2789, D340790P01, D341122P01, D330927P01, D330930P01, D330934P01, D340035P01, D340354P01, D340774P01, D341235P01
United Technologies	1012-83-9336AHSC1, 1012-83-9337A, 1012-83-9651B, 1012-925A, 1012-925B, 1012-925C, 1012933D, 1012-933D, 1012955A, 1012-955A
White-Rodgers	50A50-130, 50A50-131, 50A50-208, 50A50-210, 50A50-215, 50A50-216, 50A50-229, 50A50-240, 50A50-245, 50A50-298, 50A50-407, 50A50-472, 50A50-475, 50A55-245, 50A55-250, 50A55-288-05, 50A50-110, 50A50-111, 50A50-112, 50A50-113, 50A50-142, 50A50-143, 50A50-205, 50A50-206, 50A50-207, 50A50-209, 50A50-230, 50A50-241, 50A50-285, 50A50-286, 50A50-288, 50A50-295, 50A50-296, 50A50-405, 50A50-406, 50A50-408, 50A50-438, 50A50-471, 50A50-473, 50A50-474, 50A50-571, 50A55-120, 50A55-143, 50A55-241, 50A55-285, 50A55-286, 50A55-288, 50A55-438, 50A55-474, 50A55-571, 50A55-843, 50T35730, 50T35-730, 50T35743, 50T35-743
York	3101250000, 5253733900, 43101972100, 52537074000, 52537077000, 031.01234.000, 031-00662000, 031-01250-700, 031-01266-700, 031-01267-00, 331-09167-000, 431-01972-100, 31011140002, 031-00662, 031-00662, 031-00662-000, 031-00662-700, 031-01140-000, 031-01140-001, 031-01140-002, 031-01140-701, 031-01140-702, 031-01234-700, 031-01235-000, 031-01235-700, 031-01250-000, 031-01266-000, 031-01267-000, 031-01267-001, 031-01267-001A, 031-01284-000, 031-01933-000, 031-01972-000, 031-01973-000, 031-02166-000, 031-09166-000, 031-09167-000, 331-01933-000, 331-01972-200, CAR03101973000, CAR33101972200, CAR50A55843, G951ADB1401, G951ADB1401C, G951ADB-1401C, G951ADB1402, G951ADB-1402, G951AEB-1403, P03101267001, P031-01267-001, PTH031011400-00

*Always refer to box label for most updated cross reference. For wiring harness and timing specifications see installation guide.

Combustion

Universal Gas Valve Selection Guide

TRADE REPLACEMENTS (Double-Check Specifications Before Replacement)		SPECIFICATIONS					ACCESSORIES		
Universal Service Part	Direct Service Part Replacement	Opening Characteristics (standard, step)	Inlet/Outlet Size (in.)	Pressure Regulator Setting (psi)	Temperature Range		Includes		
						Q340 Thermocouple	3/4" x 1/2" Reducer Bushing	Natural to LP Conversion Kit
VR8300M4406	VR8300A4508	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	0˚ to 175˚ F (-18˚ to 79˚ C)	None	Two	One
	VR8300A3500	Standard	1/2 x 3/4	3.5 in. wc (0.87 kPa)	0˚ to 175˚ F (-18˚ to 79˚ C)	None	One	One
	VR8200A2124	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0˚ to 175˚ F (-18˚ to 79˚ C)	One	None	One
	VR8200A2132	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0˚ to 175˚ F (-18˚ to 79˚ C)	None	None	One
	VR8200A2744	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0˚ to 175˚ F (-18˚ to 79˚ C)	None	None	One
	VR8300M4406	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40 to 175°F (-40˚ to 79°C)	One	Two	One
VR8245M2530	VR8204A2076	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0˚ to 175˚ F (-18˚ to 79˚ C)	None	None	One
	VR8204M1091	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	None	One
	VR8205A2024	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0˚ to 175˚ F (-18˚ to 79˚ C)	None	None	One
	VR8245M2530	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	None	One
VR8345K4809	VR8205H1003	Slow	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0˚ to 175˚ F (-18˚ to 79˚ C)	None	None	None
	VR8304H4503	Slow	3/4 x 3/4	3.5 in. wc (0.87 kPa)	0˚ to 175˚ F (-18˚ to 79˚ C)	None	None	One
	VR8345K4809	Slow	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40˚ to 175°F (-40˚ to 79°C)	None	Two	One
VR8345M4302	VR8304M3509	Standard	1/2 x 3/4	3.5 in. wc (0.87 kPa)	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	One	One
	VR8304M4507	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	Two	One
	VR8305M3506	Standard	1/2 x 3/4	3.5 in. wc (0.87 kPa)	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	One	One
	VR8345M4302	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	Two	One
VR8345Q4563	VR8205Q2555	2-Stage	1/2 x 1/2	1.7 in. wc Low Fire; 3.5 in. wc High Fire	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	None	One
	VR8304Q4511	2-Stage	3/4 x 3/4	1.7 in. wc Low Fire; 3.5 in. wc High Fire	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	Two	One
	VR8305Q4500	2-Stage	3/4 x 3/4	1.7 in. wc Low Fire; 3.5 in. wc High Fire	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	One	One
	VR8345Q4563	2-Stage	3/4 x 3/4	1.7 in. wc Low Fire; 3.5 in. wc High Fire	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	Two	One
VS820M1309	VS820A1054	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	32˚ to 175˚ F (0˚ to 79˚ C)	None	Two	None
	VS820A1336	Standard	3/4 x 3/4	10.0 in. wc (2.49 kPa)	32˚ to 175˚ F (0˚ to 79˚ C)	None	Two	None
	VS820M1309	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40˚ to 175°F (-40˚ to 79°C)	None	Two	One

Notes:
All piloted valves have a 1/4" compression fitting.
All the VR valves come set for natural gas, but can be converted to LP gas.
The VS820A1054 is for natural gas. The VS820A1336 is for LP gas.
All the VR valves have inlet and outlet pressure taps. The VS820 valves have just an outlet pressure tap.

ACCESSORIES			COMPETITIVE REPLACEMENT		
Includes			Honeywell	White-Rodgers	Robertshaw
3/4" Straight Flange	1/2" x 3/8" Reducer Bushing	Remote Rod Adapter			
None	None	None	VR8300A4003, VR8300A4011, VR8300A4037, VR8300A4045, VR8300A4557, VR8300A4565	36C01-405	700-400, 720-406 (7200ER)
None	None	None	VR8300A3104, VR8300A3120, VR8300A3153, VR8300A3161, VR8300A3203, VR8300A3559, VR8300A3567, VR8300A3575	36C03-300, 36C03-258	720-404 (7200ER) 720-403, 720-400, 720-402
One	One	None	VR8200A2215, VR8200A2348, VR8200A2116, VR8200A2264, VR8200A2322*, VR8200A2009, VR8200A2082		720-400 (7200ER), 720-402 (7200ER)
One	One	None			720-400 (7200ER), 720-402 (7200ER)
One + One Elbow	One	None	VR8200A2322*		
One + One Elbow	One	None	VR8300A4003, VR8300A4011, VR8300A4037, VR8200A2827 VR8300A4045, VR8300A4557, VR8300A4565	36C03-400, 36C03-433	700-400
One	One	None	VR8204A1201, VR8204A1219, VR8204A2001, VR8204A2035, VR8204A2175, VR8204A2183, VR8204A2241, VR8204A2225, VR8204A2803		
One	One	None	VR8204M1075	36E01-204, 36E01-205, 36E01-206, 36E01-305, 36E93-304	722-079 (2000IPERHC)
One	One	None	VR8205A2008, VR8205A2081	36G22-214, 36J22-214	722-051 (2000DERHC), 720-051
None	One	None	VR8204A2852, VR8205M1080, VR8205M1106, VR8205M2310, VR8205M2443, VR8205M2450, VR8205M2476	36E36-304, 36E22-214	720-079 (7200IPER), 720-080 (7200IPER-LP)
None	None	None	VR8305H4013, VR8305H4039, VR8205H2605		
None	None	None	VR8204H1006, VR8204H1055		720-070 (7200IPER-S7C), 720-071 (7200IPER-S7C), 720-072 (7200IPER-S7C), 720-073 (7200IPER-LP-S7C)
None	None	None		36E98-304, 36E24-214, 36E52-214	700-052
None	None	None			
None	None	None	VR8304M4002		
One	None	None	VR8305M4066, VR8305M4165, VR8305M4231	36G22-214, 36C68-423	720-051 (7200DER)
None	None	None		36E36-304, 36C68-423, 36H32-423	
None	One	None	VR8205Q2662, VR8205Q2746, VR8205Q2787, VR8205Q2381	36E54-214	
None	None	None	VR8304Q4453	36C76-406, 36C76-420, 36C76-463	
None	None	None	VR8305Q4138, VR8305Q4146	36G54-214	
None	None	None		36D13-208, 36E96-314, 36D13-405	720-082 (7200IPER2-4)
None	One	None	VS820A1260, VS820A1005, VS820A1013, VS820A1047, VS820A1278, VS820A5204, VS820A1922		
None	One	None	VS820A1211, VS820A1740, VS820A1120, VS820A1898, VS820A1872, VS820A1906		
None	One	Yes	VS820A1807, VS820A2003, VS820A1815, VS820A1039, VS820A2011	36C03U-300, 36C03U-333, 36C03U-400, 36C03U-433	

*Canadian Numbers

Combustion

Universal Ignition Module Selection Guide

Product Number	Applications				Timings				Type of Gas
	Ignition System	Flame Senser	Ignition Sequence (Note 1)	Ignition Trials To Lockout (Note 1)	Ignition Trial Time	Between Trial Time	Pre-Purge	Flame Failure Response Time	
S8910U1000	Line Volt Hot Surface Ignition	1 or 2 Rods	P	1 or 3 Field Selectable	4 or 7 Sec. Field Selectable	96 Sec. – 3 Trial Mode Only	32 Sec.	1.5 sec.	Nat or LP
S8610U3009	Intermittent Pilot	1 or 2 Rods	C	C	15 Sec. or 90 Sec. Field Selectable	5-minute Delay After Failed Trial for Ignition	0 sec. or 30 sec. Field Selectable	2.0 Sec. Max	Nat or LP

Notes: 1. Ignition Sequence
C Continous retry.
P The number of trials for ignition and trial time is determined by the selection tab. If a selection tab is not installed, the module will operate at four seconds trial time and one ignition trial.

SmartValve™ Selection Guide

	Specifications					
					Includes	
Ignition/ Application	Universal Service Part	Opening Characteristics	Ambient Temperature Range	Natural to LP Conversion Kit	3/4" x 1/2" Reducer Bushings	
Intermittent HSI Pilot with Combustion Air Control and Limit Monitoring/ Forced Air Furnace	SV9541Q2561	2-Stage	-40˚ to 175˚ F (-40 to 79˚ C)	Yes	None	
	SV9641M4510	Standard Opening		Yes	Two	
Direct Ignition/ General Application	SV9510M2511	Standard Opening	-40˚ F to +175˚ F (-40˚ C to +79˚ C)	Yes	None	
	SV9520M2536					
	SV9510K2539	Slow Opening	-40 to 175˚ F (-40 to 79˚ C)			
	SV9520H8513	Fast-Slow Opening	0˚ to 175˚ F (-18˚ to 79˚ C)			
Intermittent HSI Pilot/ General Application	SV9601M4571	Standard Opening	-40˚ to 175˚ F (-40˚ to 79˚ C)	Yes	Two	
	SV9501M2528				None	
	SV9501M8129	Fast-Fast				
	SV9502H2522	Slow Opening	0˚ to 175˚ F (-18˚ to 79˚ C)			
	SV9602P4816	Step Opening	-40˚ to 175˚ F (-40˚ to 79˚ C)	None	Two	
	SV9602P4824					
	SV9602P4832					
	SV9602P4840					

Features and Functions			Cross-Reference			
Ignition Source	Typical Ignition Hardware	Includes	Honeywell	White-Rodgers	Robert-Shaw	Johnson Controls
Switched Line Voltage	Norton 201, Norton 271, Hot surface elements, Q354 flame rod		S89C1004, S89C1012, S89C1046, S89C1087, S89C1103, S89D1002, S89G1005, S89G1013, S89G1021, S89G1047, S89H1003, S89H1011, S89H1029, S89J1008, S890C1007, S890D1006, S890G1003, S890G1011, S890G1029, S890G1037, S890H1002, S890H1010, S890H1028	50E47-1 thru 50E47-79, 50E47-101 thru 50E47-179, 50E47-201 thru 50E47-279, 50E47-301 thru 50E47-379, 50F47-1 thru 50F47-79, 50F47-101 thru 50F47-179, 50F47-201 thru 50F47-279, 50F47-301 thru 50F47-379	HS780-17NL-104A, HS780-17NL-108A, HS780-17NL-304A, HS780-17NL-308A, HS780-17NR-104A, HS780-17NR-306A, HS780-17NR-308A, HS780-34NL-108A, HS780-34NL-304A, HS780-34NL-306A, HS780-34NL-308A, HS780-34NL-312A, HS780-34NR-104A, HS780-34NR-306A, HS780-34NR-308A, HS780-34NR-312A, HS780-34PL-308A, 780-910	
Internal	Q345, Q3451, Q3452	Integral Damper Connector	S86 Series ,S90 Series, S8600 Series, S8610 Series, S8620 Series, S8660 Series, S8670 Series, S8680 Series	50D49-350, 50D49-360, 50D49-361, 50D50-843, 50D-401	710-713, 715, 735-737, 780-002, 780-003, 780-701, 780-715, 780-735, 780-736, 780-737, 780-845, SP710, SP715, SP720, SP730, SP735, SP750 Series	CSA42, 43, 44, 45, 46, 48, 49, G60, G65, G67, G770 Series

* For a complete cross reference visit www.customer.honeywell.com.

		Cross-Reference	
Extension Harness	OEM Brands	Replaces	
No	ICP, Heil, Tempstar, Arcoaire, Comfortmaker, KeepRite	SV9540Q2464, SV9541Q3098	
	ICP, Heil, Tempstar, Arcoaire, Comfortmaker, KeepRite, Mestek, SlantFin	SV9541M2094, SV9540M2229, SV9540M2260, SV9640M4116, SV9640M4124, SV9540M2278, SV9540M2245, SV9640M3126, SV9640M4132	
No	Modine	SV9510M2347, SV9510M2362, SV9410M2902, SV9510M2412, SV9510M2354, SV9410M2910, SV9510M2388, SV9510M2420	
		SV9420M2331, SV9520M2403, SV9420M2323	
	Roberts Gordon	SV9510H2228, SV9510K2133, SV9510K2158, SV9510K2141, SV9510K2166	
	Armstrong, Concord, AireEase	SV9520H8042, SV9520H8034, SV9520H8067, SV9520H8026	
No		SV9601M4167, SV9601M3003,SV9601M4225	
	ICP, Heil, Tempstar, Arcoaire, Comfortmaker, KeepRite	SV9501M2056, SV9501M2718, SV9501M2726, SV9501M2031, SV9501M2049, SV9501M2080, SV9501M2239, SV9501M2700, SV9501M2734, SV9501M2742, SV9501M2064	
Yes		SV9501M8103	
	Laars, Utica, Armstrong, Concord, AireEase	SV9501H3415, SV9501H2417, SV9501H2409, SV9502H1706, SV9502H2704, SV9501H3423, SV9501H2425	
Yes	Burnham, ICP, Heil, Tempstar, Arcoaire, Comfortmaker, KeepRite	SV9501P2004, SV9601P4107, SV9501P2053, SV9502P2101, SV9602P4105	
	Burnham	SV9501P2087, SV9601P4172, SV9502P2127, SV9602P4121	
	Burnham	SV9501P2020, SV9501P2046, SV9601P4149, SV9601P4164, SV9502P2119, SV9502P2135, SV9602P4113, SV9602P4139	
		SV9601P4115	

Residential Combustion/Oil Burner/Boiler Controls

When it comes to burner and boiler controls, Honeywell has set the standard for

oil-fired furnaces, boilers and water heaters. With a proven track record and a large

installed base, there is a service part for nearly any application.

Honeywell Wireless AquaReset
Wireless Outdoor Reset Control

- Designed to improve boiler efficiency while maintaining comfort
- Wireless design makes for easier installation
- Combines universal electronic oil Aquastat with a simple to install energy saving outdoor reset solution
- System set-up through multi-function Aquastat display
- Available as a complete system or outdoor reset ready Aquastat add on kit

R7284U1004
Universal Digital Oil Primary

- Field adjustable safety, valve-on delay and burner motor-off delay for universal application
- 16 character two line trilingual display provides simple programming and easy to read diagnostics
- Advanced diagnostics that direct the technician to the likely cause of ignition failure

L7224U
Universal Oil Electronic Aquastat®

- Outdoor reset functionality when connected to W8735S1000
- Diagnostic LED, +/- 2° F accuracy and faster response times
- Easy installation with multiple knockouts, multizone control
- Adjustable high and low limit differential, high limit only or high plus low limit all in one

Honeywell

Honeywell AquaReset®

Product Selection

Product Name	Part Number	Includes	Typical Applications
Honeywell Wireless AquaReset Kit	W8735Y1000	W8735ER1000 Module and wireless sensor	Upsell as an add-on when installing a new boiler that comes from the OEM with an enabled L7224U or L7248 Aquastat.
Honeywell AquaReset Kit	W8735S1000	Honeywell AquaReset Module and Wired Sensor	Upsell as an add-on when installing a new boiler that comes from the OEM with an enabled L7224U or L7248 Aquastat.[2]
Honeywell Domestic Hot Water Kit	W8735S1008	DHW Module and Wired Pipe Temperature Sensor	Required to enable domestic hot water override on some applications.[3]

L7224U Universal Electronic Oil Aquastat® Selection Guide

Selection Guide

Product Number	Fuel		Low Limit		High Limit		Features and Functions		
	Gas	Oil	Operating Range, Low Limit	Differential Temperature, Low Limit	Operating Range, High Limit	Differential Temperature, High Limit	Switching Action	Anticipator Setting	Mounting
L7224U1002		•	110˚ to 220˚F	10˚ to 25˚F adj.	130˚ to 240˚F	5˚ to 20˚F adj.	3 SPST: High and Low Limit, Circulator	0.1 A	V/H/F

Replacement Sensor

Part Number	Length (in.)
50001464-001	12
50001464-004	36
50001464-005	48

Cross-Reference Guide

OS Number	Replaces	Mounting Orientation	High Limit	High Limit Difference	Low Limit	Low Limit Difference
L7224U1002	L7124A1017, L7124A1025, L7224A1008, L7224A1016, L8124A1007, L8124A1015, L8124A1049, L8124A1098, L8124A1106, L8124A1114, L8124A1122, L8124A1130, L8124A1155	Well Mounted – Vertical	130˚ to 240˚ F	10˚ F	110˚ to 220˚ F	10˚ to 25˚ F
	L7124C1005, L7224C1004, L8124C1003, L8124C1011, L8124C1029, L8124C1094, L8124C1102	Well Mounted – Horizontal	130˚ to 240˚ F	10˚ F	110˚ to 220˚ F	10˚ to 25˚ F
	L7148A1019, L7248C1014, L8148A1009, L8148A1025, L8148A1033, L8148A1058, L8148A1066, L8148A1074, L8148A1082, L8148A1090, L8148A1116, L8148A1157	Well Mounted – Horizontal	180˚ to 220˚ F	15˚ F		
	L7148A1035, L7248C1006, L8148A1017, L8148A1065, L8148A1124, L8148A1140	Well Mounted – Horizontal	140˚ to 240˚ F	15˚ F		
	L7148A1050, L7248A1000, L8148A1157	Well Mounted – Vertical	180˚ to 220˚ F	15˚ F		
	L7248C1022	Flush Mounted – Vertical	140˚ to 240˚ F	15˚ F		

R7284U Universal Electronic Oil Primary Selection Guide

	OIL PRIMARIES				
				Specifications	
Ignition Type	Universal Service Part	R7184U Service Part	Lockout Time (sec.)	Valve On Delay (sec.)	Blower Off Delay (min.)
Interrupted	R7284U1004	R7184U1004	15	0/15	0/2/4/6
				15	
				15	0.25
		R7184U1012	30	0/15	0/2/4/6
		R7184U1020	45	0/15	0/2/4/6
Intermittent	R7284U1004	R7184U1004	15		
		R7184U1012	30		
		R7184U1020	45		
	R8184M1051		45		

Specifications		Cross-Reference			
Alarm Contacts	Manual Trip Lever w/ LED Indicator	Honeywell	Beckett	Carlin	White-Rodgers
Yes*	Yes	R7184U1004, R7184P1031, R7184P1049, R7184P1056, R7184P1064, R7184P1072	7505P125M	50200-02S, 602000-02S, 6020002S015120, 6020002S030015, 6020002S030015, 6020002S030030, 6020002S030120, 6020002S030300, 6020002S030010	
		R7184A1026, R7184A1075, R7184A1000	7505A0000	40200-02S	669-640,669-670
		R7184B 1024, R7184B1032, R7184B1016	7505B1500		
		R7184P1080, R7184P1098	7505P1515		
	No	R7184U1012			
		R7184A1018, R7184A1034		42230-02S	669-440, 669-445, 669-470, 669-540
Yes*	No	R7184U1020			
		R7184A1042			
Yes*		R8184G1294, R8184G1302, R8184G4066, R8184G4074, R8184G4033, R8184G4090, R8184G1427, R8184G4058	7505A0000		668-601, 668-670
		R8184G1393, R8184G1302, R8184G4074, R8184G4033			668-501
	Yes	R8184G1286, R8184G1427, R8184G1458, R8184G4009, R184G4025, R8184G4082, R8184G4108		48245-S	668-401, 668-0415, 668-430, 668-515
Yes*					668-430
		R8184M1002			668-441, 668-451, 668-454

* W8735S3000 EnviraCOM alarm accessory module required

Honeywell Websites

Honeywell has numerous websites available to help increase the speed and ease of your everyday business.

Please be sure to visit our websites frequently for new and existing product information.

Customer Website

www.customer.honeywell.com:

- Product Specifications
- Product Cross-Reference
- Pricing
- Online Ordering
- Order Status
- Shipment Tracking
- Private Label Program
- Warranty Returns
- Literature/Image Search

Forward Thinking Website

www.forwardthinking.honeywell.com

- Full Line of Honeywell Products
- Product Information
- Product Availability
- Training Literature, Videos and Demos
- Product Photography
- Sales / Technical Literature

Homeowner Website

www.yourhome.honeywell.com

- Complete Honeywell Product Line
- Energy Savings Information
- Home Comfort Information
- Dealer Locator
- Homeowner Literature

Literature Website

www.literature.honeywell.com

- Complete Line of Sales / Technical Literature
- Get Printed Literature
- 100 Free Packs Per Year, Per Location!
- Customize Literature
- User-Friendly Online Shopping

Notes

Notes

Notes