Integrated Controls Package
Integrated control solutions are provided by the heat pump manufacturers for listing on the ICQPL. This is meant to ensure solutions are approved by the manufacturer and do not Invalidate the manufacturer warranty for equipment installed.
To qualify, the IC must switch from heat pumps as the primary to the combustion system as the secondary. The changeover must be done automatically based on a preset outdoor temperature. The outdoor temperature can be determined by a local outdoor temperature sensor of via Wi-Fi weather data. For example, all ductless mini split heads in given heating zone must switch to existing boiler via IC communication with no user interaction.
Dual Fuel Thermostat
Dual fuel thermostats must be capable of doing at least two stages of heat and two stages of cooling and able to automate the changeover between the primary and secondary heat source based on an outdoor temperature. The temperature sensing can be via Wi-Fi weather data or via a local hard wired temperature sensor then it would be approved for the ICQPL.

Integrated Controls Package						
Manufacturer	Model Name	Model #	24v (Y/N)	Communicating (Y/N)	WiFi Enabled (Y/N)	Notes
Any IR Controlled Mini-split + Flair	Puck Pro	FLAIRPUCK001P	N	N	Y	One Flair Puck Pro is required for each mini split head unit and the Flair app must be digitally integrated with one of the following thermostats to accomplish integrated controls. Honeywell: All models of their smart wifi enabled thermostats that work with the Honeywell Home and Total Home Connect Apps. ecobee: All models of their smart wifi enabled thermostats that work with the ecobee app. Nest: All models of their smart wifi enabled thermostats that work with the Google Home app.
Any IR Controlled Mini-split + Flair	Flair Bridge Pro	FLAIRBRIDGE001P	Y	N	Y	Requires one Bridge Pro which is compatible with all brands of boilers and electric baseboard heating and communicates through our onboard radio frequency with the Flair Puck Pros (FLAIRPUCK001P) controlling each mini split head unit to acomplish integerated controls.
Aaon	VCCX	VCCX	Y	Y	N	
Aaon	VCCX	VCCX-2	Y	Y	N	
Aaon	VCCX	VCCX-IP	Y	Y	N	
Aaon	VCCX	VCCX2	Y	Y	N	
Aaon	VCCX	VCCX-454	Y	Y	N	
AprilAire	Zone Panel	6403	Y	N	N	One zone panel is needed for up to three zones. Works with most brand thermostats to control conventional heat/cool or heat pump systems with electric or fossil fuel backup heating systems. The zone panel can control single or multi-stage equipment and works with normally open/power close, normally closed/power open, or power open/power close dampers. Wired outdoor temperature sensor can be used to automatically lock out compressor on low temperature or backup heat on high outdoor temperature. Integrated LEDs indicate equipment function.
AprilAire	Zone Panel	6404	Y	N	N	One zone panel is needed for up to four zones, expandable up to twelve zones with addtional #6401 panels. Works with most brand thermostats to control conventional heat/cool or heat pump systems with electric or fossil fuel backup heating systems. The zone panel can control single or multi-stage equipment and works with normally open/power close, normally closed/power open, or power open/power close dampers. Wired outdoor temperature sensor can be used to automatically lock out compressor on low temperature or backup heat on high outdoor temperature. Integrated LEDs indicate equipment function.
Amana Heating and Air Conditioning	Amana Smart Thermostat	ATST-CWE-BL-A	N	Y	Y	Compatible with all Amana Heating and Air conditioning brand communicating equipment
Arzel Zoning Technology	HeatPump Pro	PAN-HPP02	Y	N	N	The HeatPump Pro is a Forced Air HVAC Zoning Control Compatible with conventional Heat Pump and Dual Fuel Systems. The HeatPump Pro IC automatically switches from using heat pumps as the primary source of heat, to a secondary source. The changeover is based on an adjustable outdoor temperature balance point setting that is determined by use of the included outdoor temperature sensor. The HPP is compatible with all 24 volt, hardwired, wireless or WIFI Thermostats, and can operate single and multistage heat pump and dual fuel systems using conventional single stage heating and cooling thermostats, without the need for heatpump thermostats.
Arzel Zoning Technology	HeatPump Pro	PAN-HPP03	Y	N	N	
Arzel Zoning Technology	HeatPump Pro	PAN-HPP04	Y	N	N	
Bosch	24V Interface	BMS-DRY-XXX	Y	Y	Y*	Requires one 24V Interface Kit, One Third Party Thermostat and double pole double throw (DPDT) relay per indoor unit.*Wi-Fi Enabled based on the thermostat selected.
Bosch Thermotechnology Corp.	BoschConnectedControl BCC110 Thermostat	BCC110	Y	N	Y	The BCC110 is an Energy Star certified smart thermostat. It is compatible with most HVAC applications. It is able to control dual fuel applications where heat pump is setup as primary and fossil fuel as a secondary based on outdoor ambient temperature (OAT). The OAT is received from an API that provides the temperature from the closest weather station to the zipcode provided by the user.
Carrier	Infinity User Interface	SYSTXCCITC01-C SYSTXCCWIC01-C	Y	Y	Y	
Carrier	24V Interface	KSAIC0301230	Y	Y	Y*	Requires one 24V Interface Kit, one Third Party Thermostat and Double Pole Double Throw (DPDT) relay per indoor unit. *Wi-Fi Enabled based on the Thermostat selected.

Manufacturer	Product	Model				Notes
Cielo WiGle Inc.	Cielo Breez Plus (Smart AC controller for any brand ductless systems)	BP101WA	Y	N	Y	The integrated control solution is based on Cielo's AWS Cloud platform called 'Cielo Linked'. It requires a Cielo Breez Plus smart AC controller (for ductless systems) and a Cielo Smart thermostat for the conventional ducted HVAC system (2H, 2C). No extra hardware or wiring is needed. Both Cielo Breez Plus and Cielo Smart Thermostat are connected through Cielo Linked (cloud platform). Cielo Home App is required to link the devices. Cielo Breez Plus can be powered through a 5V adapter or can be hardwired to 24V. Cielo Smart thermostat is powered through standard 24V wiring. Cielo Linked enables the interplay of connected ductless systems and conventional ducted HVAC system. After powering up the Cielo Breez Plus and Cielo Smart Thermostat, the setup of integrated control is super easy through Cielo Home App.
Cielo WiGle Inc.	Cielo Breez Max (Smart AC controller for any brand ductless systems)	BM101WA (Black Color Variant) BM102WA (White Color Variant)	Y	N	Y	The integrated control solution is based on Cielo's AWS Cloud platform called 'Cielo Linked'. It requires a Cielo Breez MAX smart AC controller (for ductless systems) and a Cielo Smart thermostat for the conventional HVAC system (2H, 2C). No extra hardware or wiring is needed. Both Cielo Breez MAX and Cielo Smart Thermostat are connected through Cielo Linked (cloud platform). Cielo Home App is required to link the devices. Cielo Breez MAX can be powered through a 5V adapter or can be hardwired to 24V. Cielo Smart thermostat is powered through standard 24V wiring. Cielo Linked enables the interplay of connected ductless systems and conventional ducted HVAC system. After powering up the Cielo Breez MAX and Cielo Smart Thermostat, the setup of integrated control is super easy through Cielo Home App.
Cielo WiGle Inc.	Cielo Breez Edge Pro	ED101WA	Yes	No	Yes	The integrated control solution is based on Cielo's AWS Cloud platform called 'Cielo Linked'. It requires a Cielo Breez Edge Pro smart AC controller (for ductless systems) and a Cielo Smart thermostat for the conventional HVAC system (2H, 2C). No extra hardware or wiring is needed. Both Cielo Breez Edge Pro and Cielo Smart Thermostat are connected through Cielo Linked (cloud platform). Cielo Home App is required to link the devices. Cielo Breez Edge Pro can be powered through a 5V adapter or can be hardwired to 24V. Cielo Smart thermostat is powered through standard 24V wiring. Cielo Linked enables the interplay of connected ductless systems and conventional ducted HVAC system. After powering up the Cielo Breez Edge Pro and Cielo Smart Thermostat, the setup of integrated control is super easy through Cielo Home App.
Cielo WiGle Inc.	Cielo Smart Thermostat ECO	TE101WA (White Color Variant), TE102WA (Black Color Variant)	Y	N	Y	Cielo Smart Thermostat Eco supports Conventional Systems for up to 2 stages of Heating & 2 stages of Cooling. For Heat Pumps it supports up to 4 Stages of Heating and 2 Stages of Cooling. Cielo Smart Thermostat Eco fetches outdoor temperatures data from cloud and makes decisions based on that data for switching between Heat Pump and Aux heat source (dual fuel systems). In addition, the Cielo Smart Thermostat Eco can also be linked to Cielo Breez Max and/or Cielo Breez PLUS (Cielo's smart thermostats for mini splits) using Cielo Linked (our cloud-based platform to switch between fossil fuel-based systems and mini splits). Cielo Smart Thermostat Eco stores projected temperature data for next 72 hours to ensure its smooth decision-making process even if the Wi-Fi is temporarily lost. The product is available in Black and White Color variants.
CMNA ICP-MIDEA	24V Interface	KSAIC0401230	Y	Y	Y*	Requires one 24V Interface Kit, one Third Party Thermostat and Double Pole Double Throw (DPDT) relay per indoor unit. *Wi-Fi Enabled based on the Thermostat selected.
Cooper&Hunter	IFTTT	WIFI Module CH-WIFI01M & Smartport	N	Y	Y	IFTTT App connects Cooper&Hunter with IFTTT through C&H wifi remote app. Current IFTTT compatible thermostats (for additional heat source) include Ecobee, and Honeywell as of 11/1/19. For list of devices, go to www.ifttt/services (Environment Control & Monitoring). Integration is capable by logging compatible thermostat for additional heat source and Cooper&Hunter wifi remote app for Cooper&Hunter system into IFTTT, then creating applet allowing IFTTT to adjust primary and secondary heating systems, based on outdoor temperature.
Daikin	One+ (Replaces ENVI)	DTST-ONE-ADA-A (Replaces DACA-TSI-1)	Y	Y	Y	Compatible with Daikin Mini-Split and Multi Split Heat Pump Products. Thermostat is provided with communication adaptor that requires 110-240 VAC power supply. Additional adaptor (KRP980B2E) required for connection to FTX□□NMVJU indoor units.
Daikin	Daikin One Lite Connected Thermostat	DTST-LTE-LA-A	N	Y	Y	Compatible with most Daikin brand mini and multi split systems, see www.daikinone.com for specific details
Daikin	Daikin One Touch Smart Thermostat	DTST-TOU-A	N	Y	Y	Compatible with all Daikin brand communicating equipment
Daikin (Airzone)	DKN Plus Interface	AZAI6WSPDKC	N	Y	Y	Compatible with Daikin Mini Splits and Daikin VRV indoor unit and allows integration of any thermostat to control the indoor unit operation. Can provide full integration via cloud API, Modbus or BACnet MSTP to control and monitor the indoor unit operation
Durastar	24V Interface	DR24VINT1	Y	Y	Y	Requires one 24V Interface Kit, One Third Party Thermostat and Double Pole Double Throw (DPDT) relay per indoor unit.*Wi-Fi Enabled based on the thermostat selected.
EMERSON	SENSI	ST55	Y	N	Y	Switch over based on weather data associated with zipcode during set up https://sensi.copeland.com/en-us/shop/sensi/sensi-sku-st55
EWC Controls	Ultra-Zone	BMPlus 3000	Y	Y	Y*	*With WiFi capable thermostat. Zone control for Centrally Ducted Heat Pump systems
EWC Controls	Ultra-Zone	BMPlus 5000	Y	Y	Y*	*With WiFi capable thermostat. Zone control for Centrally Ducted Heat Pump systems
EWC Controls	Ultra-Zone	BMPlus 7000	Y	Y	Y*	*With WiFi capable thermostat. Zone control for Centrally Ducted Heat Pump systems
EWC Controls	Ultra-Zone	UZC-4	Y	Y	Y*	*With WiFi capable thermostat. Zone control for Centrally Ducted Heat Pump systems
EWC Controls	Ultra-Zone	UZC-6	Y	Y	Y*	*With WiFi capable thermostat. Zone control for Centrally Ducted Heat Pump systems
Fujitsu	Auxiliary Heating Output (NON-Wall mounted indoor units)	UTY-XWZXZG	No	Yes	No	By use of external output "Aux Heater" the heat pump system can be programmed to disengage heat pump operation based on outdoor temperature and engage the "aux heater" contact to call on a secondary heating source. Programming is performed in the contractor menu "function settings" and uses the built-in outdoor temperature sensor located at the outdoor unit. Output signal is 12vdc and will need to be isolated with a third-party relay (commonly RIB U1C or equal). UTY-XWZXZG output wiring will connect to the coil of the relay to close the normally open contact which engages existing 24v secondary heating source.

UTY-XWZXZG is compatible with all Fujitsu NON-Wall Mounted Indoor Units. |

Brand	Product	Model				Notes
Fujitsu	Auxiliary Heating Output (wall mounted indoor units)	UTY-XWZXZ5	No	Yes	No	By use of external output "Aux Heater" the heat pump system can be programmed to disengage heat pump operation based on outdoor temperature and engage the "aux heater" contact to call on a secondary heating source. Programming is performed in the contractor menu "function settings" and uses the built-in outdoor temperature sensor located at the outdoor unit. Output signal is 12vdc and will need to be isolated with a third-party relay (commonly RIB U1C or equal). UTY-XWZXZ5 output wiring will connect to the coil of the relay to close the normally open contact which engages existing 24v secondary heating source. UTY-XWZXZ5 is compatible with all Fujitsu Wall Mounted Indoor Units.
Fujitsu	Wired Remote Controller (Touch Panel)	UTY-RNRUZ*	N	Y	N	J Series & RGLX only - The existing heat source is energized is to be operated through a 3rd party control circuit, via a 12 VDC external output signal from the indoor unit PC board. Primary Heat lockout or secondary heat lockout based on outdoor temperature is available.
Fujitsu	Wired or Wireless Remote Controller	Various	N	Y	N	See instructions for compatible equipment. The alternate heat source is operated through a 3rd party control circuit, via a 12 Vdc external output signal from the indoor unit PC board. Primary heat lockout or secondary heat lockout based on outdoor temperature is available. Fujitsu General Remote Controllers (7 Items) Fujitsu General - Integrated Heating Control (Remote Controller) - Instructions
Fujitsu	N2000 (Replaces Novus N2020)	8200200130 (Replaces 8202011300)	Y	N	N	*Former controller Novus N2020* N2000 is the replacement series controller recommend by Fujitsu to be used with Airstage or Halycon Mini-Split Heat Pump System. N2000 senses outside temperature and closes the control contact when the outside temp is about the set temp. When closed, this contact will enable the Halycon to heat or cool based on the temp setting of the Halycon System; when this contact is open, it will inhibit the Heat Pump from working. The installation requires both a wiring kit and external control board supplied by Fujitsu to be added to the inside unit. NOVUS N2020 Temperature Controller - Operation Manual NOVUS N2020 Temperature Controller - Operation Manual
Fujitsu	Thermostat Converter	UTY-TTRX	Y	N	N	Required installation includes a Thermostat Converter and 24 volt transformer (one UTY-TTRX can connect up to 16 indoor units), plus a dual fuel thermostat from QPL. Best as IC solution for single head, multihead, or air handler installations. Dual Fuel thermostat replaces central heat thermostat. Indoor units connected to each adapter (plus dual fuel themostat) acts as Single Zone. Fujitsu General - Integrated Heating Control (3rd Party Thermostat) - Instructions Third Party Thermostat Interface UTY-TTRXZ1 - Installation Manual
Fujitsu	WiFi Thermostat	Various	Y	Y	Y	Honeywell Wi-Fi thermostat compatible with Gas, Electric and Oil on forced air, and radiant boilers
Fujitsu	WiFi Interface (UART)	UTY-TFSXF1	N	Y	Y	IFTTT solution combining any of the (3) WiFi Interface Modules listed at left; a Honeywell dual-stage Wi-Fi thermostat with IFTTT capability, used to control the existing heat source; and the IFTTT App. Access to Fujitsu IFTTT Installation Instructions are available via the below link upon establishing a Fujitsu account Fujitsu General - Integrated Heating Control (IFTTT) - Instructions
Fujitsu	WiFi Interface (2-Wire Indoor Units)	UTY-TFSXZ2	N	Y	Y	2-Wire WiFi Module UTY-TFSXZ2 - Setting Manual
Airzone (Fujitsu)	Airzone Aidoo Pro (2 wire/UART)	AZA16WSPFU2	N	Y	Y	Aidoo Pro Modules communicate with the Fujitsu system through UART connection for 2 wire units and to the control terminals for 3 wire units. The controls allow for optional simultaneous use of Fujitsu control and or 3rd party thermostat from QPL. Dual Fuel thermostat replaces existing heat thermostat. Aidoo Pro module has "AUX" heat output, can be used stand alone without additional controls to disable heat pump operation and close AUX output through "AIRZONE CLOUD" app programming. FT_AZAI6WSPFU2_MUL.pdf (airzonecloud.com)
Google Nest	Nest Thermostat E	T4008ES	Y	N	Y	
Google Nest	Nest Thermostat E	T4001ES	Y	N	Y	
Google Nest	Nest Thermostat E	T4002ES	Y	N	Y	
Google Nest	Google Nest Thermostat	GA03000-US	Y	N	Y	
Google Nest	Nest Learning Thermostat 3rd Gen	T3018US	Y	N	Y	
Google Nest	Nest Learning Thermostat 3rd Gen	T3019US	Y	N	Y	
Google Nest	Nest Learning Thermostat 3rd Gen	T3032US	Y	N	Y	
Gree	Honeywell T6 Pro Smart	TH6320WF 2003	Y	N	Y	Requires Honeywell T6 Pro Smart (TH6320WF 2003) WiFi thermostat that turns on the secondary heat source at 40° and "Set Point" Programmable Flair Gateway (115v) WiFi 2.4Ghz Puck that will ensure the Gree mini split heat pump will be on when thermostat turns off the secondary heat. Appropriate WiFi accessibility is provided by the homeowner and not included in this package.
	Flair Puck	ICS001P	N	N	Y	
Haier	IFTTT	QAWF01A	N	Y	Y	Requires Ecobee Thermostat integration with Haier WiFi via IFTTT Applets. Proper understanding and installation of the Ecobee thermostat is a prerequisite.
Haier and GE Appliances	UACT32A - Wired Central Controller	UACT32A	Y	Y	Y	UACT32A is a 24VAC controller for residential and light commercial HVAC applications. Its interface supports dry contacts and digital interface with Haier and GE Appliances HVAC products.
Hisense (Airzone)	Aidoo Pro	AZAI6WSPHS1	N	Y	Y	Compatible with all ducted and non-ducted units using the CN-WIRED/CN18 terminal. It can be used with any 3rd party thermostat and the integrated control can be done through the thermostat or the Aidoo Pro can be used on its own for the integrated control as it has a Aux heat relay output. If using the thermostat, switchover can be done through the thermostat logic and if using the Aidoo Pro with native Mitsubishi controls, switchover can be done based off of outdoor temperature through the app.

Manufacturer	Product	Model				Description
Lennox	CORE	LHT***H	Y	Y	N	Lennox CORE Controller is the on board unitary controller for Lennox High Efficiency packaged Heat Pump and Dual Fuel Models (LHT***H / LDT***H). Unitary controller operates heating and cooling based on inputs from 24v thermostat, communicating room sensor, or Building Automation system. Primary heating method is heat pump with secondary heating source as (optional) electric heat or backup gas heat. Balance point determines the temperature at which heating source changes to secondary, and is selectable onboard the unitary controller.
Lennox	CORE	LDT***H	Y	Y	N	Lennox CORE Controller is the on board unitary controller for Lennox High Efficiency packaged Heat Pump and Dual Fuel Models (LHT***H / LDT***H). Unitary controller operates heating and cooling based on inputs from 24v thermostat, communicating room sensor, or Building Automation system. Primary heating method is heat pump with secondary heating source as (optional) electric heat or backup gas heat. Balance point determines the temperature at which heating source changes to secondary, and is selectable onboard the unitary controller.
Lennox Industries Inc.	CS8500 Communicating Sensor	24K53 / 24K55	Y	Y	N	Communicating 4 Heat/4 Cool
Lennox Industries Inc.	CS7500 Commercial Thermostat	24K41	Y	N	N	Universal 4 Heat/3 Cool
LG Electronics	Aux Heater Kit Highwall Multi	PRARS1	Y	Y	N	LG Option 2: Wall Units Multi Zone Idu Aux Htr Relay Prars1 (1 Per IDU)
LG Electronics	Aux Heater Kit All Ducted/Cassette	PRARH0	Y	Y	N	LG Option 3: Aux Htr Relay Prarh0 Ducted, Cassette Idu (1 Per IDU)
LG Electronics	A Series Idu Model - Dry Contact Built In	ALL "A" SERIES IDU	Y	Y	Y	LG Option 5: Arnu Series IDU + 2 Stage Tsat With Wired/Wireless/Internet Odt Sensing Wired Through Relay To Cn-Ext Of Any (1) IDU
LG MFG	Thermostat	PREMTC00U	Y	Y	N	Simple Thermostat
LG MFG	Dry Contact	PDRYCB320	Y	N	N	Dry contact for third party t-stat
Mitsubishi Electric	Outdoor Temperature Sensor	C7089U1006/U				
	Kumo Cloud wireless interface	PAC-USWHS002-WF-1 or PAC-USWHS002-WF-2	N	N	Y	PAC-USWHS002-WF-1 has been discontinued by Mitsubishi. Projects installed using this adapter to satisfy the Integrated Controls (ICs) requirement on or before December 31, 2025 will remain eligible for incentives, but projects installed using this adapter on or after January 1, 2026 will no longer be eligible for incentives. PAC-USWHS002-WF-2 is the latest adapter model and will remain on the QPL.
Mitsubishi Electric	Thermostat Interface	PAC-US444CN-1 or PAC-US445CN-1	Y	Y*	Y*	Requires a T-stat interface and transformer for each indoor unit, and a 2 stage thermostat by any manufacturer. ACTS AS IC WITH QPL LISTED THERMOSTAT. To operate the indoor unit via Thermostat Interface (PAC-US444CN-1) using a 24VAC thermostat in the heat pump configuration (using O/B with Y1 & Y2 output) requires a double pole-double throw relay
	Transformer	VPL24-210				
Mitsubishi Electric	Kumo Cloud with IFTTT compatible Thermostat	PAC-USWHS002-WF-1 PAC-USWHS002-WF-2	N	Y	Y	IFTTT App connects Mitsubishi Electric Kumo Cloud with any IFTTT compatible thermostat. Current IFTTT compatible thermostats include Ecobee, and Honeywell as of 11/1/19. For list of devices, go to www.ifttt/services (Environment Control & Monitoring). Integration is capable by logging compatible thermostat and Kumo Cloud into IFTTT, then creating applet allowing IFTTT to adjust primary and secondary heating systems, based on outdoor temperature.
Mitsubishi Electric	CN24 Relay Kit and compatible indoor units	CN24RELAY-KIT-CM3	Y	N	N	Install CN24 relay kit in parallel with or without back-up heat thermostat to activate second stage on droop temperature. Outdoor balance point temperature can be set for CN24 activation on models with handheld control. Above high set temperature, only heat pump operation is available. When outdoor temperature is below balance point temperature setting, back-up heat is available when indoor temperature droops 2.7 F below set-point. Back up heat will operate until indoor temperature reaches set-point temperature of heat pump, heat pump continues to operate throughout. **Compatible with 410A and 454B M&P series products.**
Mitsubishi Electric	Airzone	AZZBSR2MEL	N	Y	Y	Compatible with Mitsubishi M-Series, P-Series, & S-Series indoor units. Provides means of controlling any heating and cooling source equipment and specifying sequence of stages as well as differential temperature for activation of secondary sources. WIFI & Bacnet functionality optional.
Airzone (Mitsubishi)	Aidoo Pro	AZAI6WSPMEL	N	Y	Y	The Airzone Aidoo Pro is compatible with all ducted and non-ducted units that have a CN105 plug. The Aidoo Pro can be used with any 3rd party thermostat and the integrated control can be done through the thermostat or the Aidoo Pro can be used on its own for the integrated control as it has a Aux heat relay output. If using the thermostat, switchover can be done through the thermostat logic and if using the Aidoo Pro with native Mitsubishi controls, switchover can be done based off of outdoor temperature through the app. https://doc.airzonecloud.com/Documentation/AZ6/AI6/FT_AZAI6WSPMEL_MUL.pdf
Mitsubishi Electric	PAR-41MAAU Deluxe MA Remote Controller	PAR-41MAAU	N	Y	N	**Use in cojunction with CN24 relay kit (CN24RELAY-KIT-CM3).** - Select the outdoor air temperatures at which outdoor unit operation will be enabled and disabled: enable on rise, disable on fall. - Select the outdoor air temperatures at which backup heater operation will be enabled and disabled: enable on fall, disable on rise. https://mylinkdrive.com/viewPdf?srcUrl=http://s3.amazonaws.com/enter.mehvac.com/DAMRoot/Original/10007\M_%20Submittal_PAR-41MAAU.pdf
Airzone (Mitsubishi)	VAF	AZVAFCB2MEL	N	Y	Y	Compatible with Mitsubishi M-Series, P-Series, & S-Series indoor units. Provides means of controlling any heating and cooling source equipment and specifying sequence of stages as well as differential temperature for activation of secondary sources. WIFI & Bacnet functionality optional.
Mitsubishi Electric	intelli-HEAT Cased Coil	PAA-A18AA1, PAA-A18BA1, PAA-A24AA1, PAA-A24BA1, PAA-A30AA1, PAA-A30BA, PAA-A36BA1, PAA-A36CA1, PAA-A42BA1, PAA-A42CA1	Y	N	N	Compatible with any thermostatically controlled ANSIZ21.47/CSA2.3 certified furnaces natural gas or propane furnace. Multiple balance point settings for heat pump and furnace operation to ensure sustainable and cost-effective heating (-11° F, 9° F, 14°F, 19° F, 27° F, 32° F, Furnace only). Intelligent Comfort Control function ensures homeowner comfort independent of balance point setting

Manufacturer	Product	Model	Col1	Col2	Col3	Notes
MRCOOL, LLC	MRCOOL Smart Wi-Fi Mini-Stat	MST05	Y	N	Y	The integrated control solution leverages our AWS Cloud platform, known as 'MRCOOL Link.' This system requires the MRCOOL Smart Wi-Fi Mini-Stat (for MRCOOL minisplits) and the MrCOOL Smart Thermostat for traditional ducted HVAC systems (2H/2C). No additional hardware or wiring is necessary. Both the MRCOOL Smart Wi-Fi Mini-Stat and the MRCOOL Smart Thermostat connect via the MRCOOL Link cloud platform using the 'MRCOOL SmartHVAC' App. The MRCOOL SmartHVAC App is essential for linking the devices. The MRCOOL Smart Wi-Fi Mini-Stat can be powered with a 5V adapter or hardwired to 24V, while the MRCOOL Smart Thermostat operates on standard 24V wiring. This setup allows seamless integration between ductless and conventional ducted HVAC systems. Once powered, the MRCOOL Smart Wi-Fi Mini-Stat and MRCOOL Smart Thermostat are easily configured through the MRCOOL SmartHVAC App.
Resideo Technology Inc. under the Honeywell Home Brand	D6 Pro Wi-Fi Ductless Controller	DC6000WF1001/U	N	N	Y	This solution is cloud-based, and utilizes a D6 controller with the Mini-Split and a T Series Wi-Fi thermostat on the conventional HVAC system. This would be at a 1:1 relationship. There are no other devices needed other than the two thermostats. There is no additional wiring needed. A simple to use feature, curated and available in the Honeywell Home thermostat App, pairs the two devices in minutes and the cloud algorithm takes over from there. The D6 Controller will work with the Honeywell Home T5, T5+, T6, T9 and T10, demand response capable, smart thermostat line. These models include: RCHT8612WF2005/U or W; RCHT8610WF2006/U or W; RCHT9610WFSW2003/U or W; RCHT9510WFW2001/U or W; TH6220WF2006/U and TH6320WF2003/U. The D6 Controller and T-Series Thermostats can be found at the Resideo.com website for more information. (The D6 Controller is powered by 120V - it plugs into a standard wall outlet)
Rheem	Econet Smart Thermostat	RETST800SYS	Y	Y	Y	For use with Rheem communicating equipment only.
Samsung HVAC	Thermostat Adaptor	MIM-A60UN	Y	N	N	Requires T-Stat adaptor (maximum 2 indoor untis per adaptor), 24VAC transformer, and dual fuel thermostat by any manufacturer
Samsung HVAC	Samsung Wi-Fi Adapter	MIM-H04UN	N	Y	Y	Compatible with all Samsung: DVMS, single zone CAC systems, FJM systems with Ducted, Cassette, and/or Console units connected. Once the Wifi adaptor is installed the Smart Things App controls up to 16 indoor units simultainiously and the balance point changover of the Honeywell thermostat. The following thermostats are required for the integration of secondary heat source. Honeywell: TH6320WF2003/U, TH6220WF2006/U, TH8321WF1001/U, TH9320WF5003/U. All Samsung residential wind free wall units already have WiFi adaptor pre- installed and would just require one of the listed thermostats.
Samsung HVAC	SmartThings with SmartThings compatible Thermostat	All Samsung SmartThings-enabled Mini-splits, Heat Pumps, Cassettes, etc. See Notes for Models.	N	Y	Y	Samsung HVAC products using SmartThings App to connect to any of the following ST enabled thermostats from the following brands: 2gig, American Standard, Ecobee, Fibaro, Nest, Honeywell, Lux, Nexia, Popp, Sinope, Stelpro, Trane, Zen. See link below for specific models. https://www.smartthings.com/products-list *wifi enabled Dual Fuel Thermostat must be listed on IC QPL. Integraton is possible by adding compatible thermostat to SmartThings App and automating controls through the App. The following Samsung HVAC models support SmartThings: WindFree 2.0, WindFree 2.0e, Max Heat 2.0, Max, Quantum 2.0, Free Joint Multi, Slim Duct, Free Join Multi Max Heat, WindFree Mini 4-way Cassette, Console, 360 Cassette, Windfree 4-way Cassette, Duct S, Multi-Position Air Handler, High Wall, Light Commercial Outdoor Unit, Light Commercial Max Heat Outdoor Unit, Windfree 4-way Cassette Max Heat, Duct S Max Heat, Multi-Position Air Handler Max Heat, minus40 Low Ambient Cooling, DVM S Eco, DVM S Water, HSP Duct, OAP Duct, Big Ceiling, Under Ceiling, Floor Standing, 30, DVM S Max Heat. See link below for specific model numbers. https://www.samsunghvac.com/products
Samsung HVAC (Airzone)	Aidoo Pro	AZAI6WSPSA2	N	Y	Y	The Airzone Aidoo Pro is compatible with all ducted and non-ducted units that have F3 and F4 communication terminals. The Aidoo Pro can be used with any 3rd party thermostat and the integrated control can be done through the thermostat or the Aidoo Pro can be used on its own for the integrated control as it has a Aux heat relay output. If using the thermostat, switchover can be done through the thermostat logic and if using the Aidoo Pro with native Samsung controls, switchover can be done based off of outdoor temperature through the app.
Trane	Symbio 700	X45091784001	Y	Y	Y	
Panasonic	Honeywell LYRIC	TH8732WFH5002/U	Y	Y	Y	Fossil Fuel Tstat For Panasonic IC QPL Solution
Panasonic	Honeywell LYRIC T6	TH6220WF2006	Y	Y	Y	Fossil Fuel Tstat For Panasonic IC QPL Solution
Panasonic	IFTTT Connect	PICDF19	N	Y	N	IFTTT App connects Honeywell D6 integrated with a Panasonic mini-split and a Honeywell Lyric integrated with and auxiliary heat system. Installation contractors shall complete Panasonic training and be authorized to install Panasonic residential mini-split heat pumps.
Pioneer	24V Interface	TST-24VIM-ECFMS	Y	Y	Y*	Requires one 24V Interface Kit, one Third Party Thermostat and Double Pole Double Throw (DPDT) relay per indoor unit. *Wi-Fi Enabled based on the Thermostat selected.
Pioneer	IFTTT	TST-APWIFIMUSB TST-LCACWIFIKP	N	Y	Y	IFTTT connects to the WiFi-enabled Pioneer split heat pump via the smartphone app, allowing for two-way communication between the mini split and the main heat source. Then an IFTTT applet can be created to allow for automatic changeover between the primary and secondary heat sources, based on the real-time outdoor temperature. The main heat source should be controlled via a WiFi and IFTTT compatible 3rd party thermostat, such as Nest, Ecobee, or Honeywell Home. For a full list, see https://ifttt.com/explore/services
Pioneer (Airzone)	Aidoo Pro	PAZAI6WSP01	N	Y	Y	The Airzone Aidoo Pro is compatible with all Pioneer ducted and non-ducted units that have X-Y-E wiring. The Aidoo Pro can be used with any 3rd party thermostat and the integrated control can be done through the thermostat, or the Aidoo Pro can be used on its own for the integrated control as it has an Aux heat relay output. If using the thermostat, switchover can be done through the thermostat logic. If using the Aidoo Pro with native controls, switchover can be done based off ot the current outdoor temperature through the app.
Pro1	755S	T755S	Y	No	No	Requires a R250s Wired Outdoor Sensor. Dual Fuel Balance Point can be set in the options.
Pro1	855sh	T855sh	Y	No	No	Requires a R250s Wired Outdoor Sensor. Dual Fuel Balance Point can be set in the options.

Pro1	855ish	T855ish	Y	No	Yes	Requires a R250s Wired Outdoor Sensor. Dual Fuel Balance Point can be set in the options.
Pro1	ProSync	T755WHO	Y	No	No	Requires a R250W Wireless Outdoor Sensor. Dual Fuel Balance Point can be set in the options
ZONEFIRST	Zone Control Panel	H32 & H32P	Y	N	N	Two and Three Zone Control for Single and Two Stage/Speed Heat Pumps w/Dual Fuel and most all conventional and wi-fi heat pump thermostats. Panel has multiple staging options: 1) from any zone thermostat, 2) adjustable timer on zone panel or 3) the percentage of zones calling. Less than 50%, first stage only, greater than 51% second stage. Dual fuel operation based on wired Outdoor Air Sensor (OAS) with adjustable temperature setting on zone panel.
ZONEFIRST	Zone Control Panel	MDP3	Y	N	N	Two and Three Zone Control Panel expandable to 100 Zones for Single and Two Stage/Speed Heat Pumps w/Dual Fuel and most all conventional and wi-fi heat pump thermostats. Panel has multiple staging options: 1) from any zone thermostat, 2) adjustable timer on zone panel, 3) the percentage of zones calling Less than 50%, first stage only, greater than 51% second stage. Staging and Dual Fuel operation can also based on wired Outdoor Air Sensor (OAS) with adjustable temperature setting on zone panel or the Leaving/Supply Air Sensor (ZPS) also with adjustable temp setting on panels menu driven display. Staging on supply air temp is a more advanced method for newer heat pumps with cold climate performance that can still deliver warm supply temps at lower outdoor temps, improving overall efficiency.
ZONEFIRST	BLISS Zone System	BZS	Y	Y	Y	Multi-Zone System with Intergrated Combination Light Switch Thermostats (LST) for each zone for remote Wi-Fi control and monitoring of system operation. Heat Pump staging and dual fuel changeover based on supply air sensors at each zone (WDS). Staging is set based on supply air temperatures rising and falling for both heating an cooling. When specific supply temp settings are not able to maintains the Bliss system stages and when needed will switch to dual fuel back-up for extreme temps. Remote monitoring and alerts can be sent when minimum system temps are not maintained.

Dual Fuel Thermostats (Qualify as Integrated Controls with eligible Heat Pump/Furnace combinations)						
Manufacturer	Model Name	Model #	24v (Y/N)	Communicating (Y/N)	WiFi Enabled (Y/N)	Notes
Amana Heating and Air Conditioning	Amana Smart Thermostat	ATST-CWE-BL-A	N	Y	Y	Compatible with all Amana Heating and Air conditioning brand communicating equipment
American Standard	Gold 824	ACONT824AS52D*	Y	N	Y	Remote wired outdoor temp sensor BAYSENS01ATEMPA. Boiler systems compatible.
American Standard	Silver 824	ACONT724AS42D*	Y	N	Y	Remote wired outdoor temp sensor BAYSENS01ATEMPA. Boiler systems compatible.
American Standard	Platinum 850	ACONT850AC52U*	Y	Y	Y	Remote wired outdoor temp sensor BAYSENS01ATEMPA. Boiler systems compatible (requires BAYWAKIT24VACA accessory).
American Standard	Platinum 1050	AZON1050AC52Z*	Y	Y	Y	Remote wired outdoor temp sensor BAYSENS01ATEMPA. Boiler systems compatible (requires BAYWAKIT24VACA accessory).
American Standard	Link 360	ALINK360A2VVU*	N	Y	Y	Product is a kit that includes 2 required pieces: a Smart Thermostat (AHUI2360A200U*) and System Controller (TSYS2C60A2VVU*). Remote wired outdoor temp sensor BAYSENS01ATEMPA.
AprilAire	8446, 8448	8446, 8448	Y			Non-Programmable
AprilAire	8465, 8466, 8476	8476	Y			Programmable 5/2 or 5/1/1
AprilAire	8600, 8620, 8910	8600, 8620, 8910	Y			Programmable 7-Day
AprilAire	Thermostat	S86NMU	Y	N	N	Controls up to 4H/2C ducted heat pumps with dual fuel or 2H/2C ducted conventional systems. When coupled with 8052 wired outdoor temperature sensor, the thermostat can enable user-defined balance points for dual fuel switchover. Below the low balance point, only auxiliary heat is used. Above the high balance point, only compressor is used. In between, the thermostat will stage based on the demands of the room. All 4 stages have a programmable differential to customize staging thresholds. 24 VAC. Programmable schedule, but can be configured as non-programmable.
AprilAire	Thermostat	S86NMUPR	Y	N	N	Controls up to 4H/2C ducted heat pumps with dual fuel or 2H/2C ducted conventional systems. When coupled with 8052 wired outdoor temperature sensor, the thermostat can enable user-defined balance points for dual fuel switchover. Below the low balance point, only auxiliary heat is used. Above the high balance point, only compressor is used. In between, the thermostat will stage based on the demands of the room. All 4 stages have a programmable differential to customize staging thresholds. 24 VAC. Programmable schedule, but can be configured as non-programmable. Includes programmable IAQ relay for control of (1) humidifier, dehumidifier or ventilator.
AprilAire	Wi-Fi Thermostat	S86WMUPR	Y	Y	Y	Controls up to 4H/2C ducted heat pumps with dual fuel or 2H/2C ducted conventional systems. When coupled with 8052 wired outdoor temperature sensor, Z10ODT wireless outdoor sensor or home Wi-Fi network, the thermostat can enable user-defined balance points for dual fuel switchover. Below the low balance point, only auxiliary heat is used. Above the high balance point, only compressor is used. In between, the thermostat will stage based on the demands of the room. All 4 stages have a programmable differential to customize staging thresholds. 24 VAC. Programmable schedule, but can be configured as non-programmable. Includes programmable IAQ relay for control of (1) humidifier, dehumidifier or ventilator. Wi-Fi enabled for control via AprilAire Healthy Air app.
AprilAire	Thermostat	S84NSU	Y	N	N	Controls up to 2H/1C ducted heat pumps with dual fuel or 1H/1C ducted conventional systems. When coupled with 8052 wired outdoor temperature sensor, the thermostat can enable user-defined balance points for dual fuel switchover. Below the low balance point, only auxiliary heat is used. Above the high balance point, only compressor is used. In between, the thermostat will stage based on the demands of the room. All stages have a programmable differential to customize staging thresholds. 24 VAC or 2 AA Batteries. Programmable schedule, but can be configured as non-programmable.
AprilAire	8476W, 8620W, 8910W, 8920W	8476W, 8620W, 8910W, 8920W	Y		Y	Programmable 7-Day
AprilAire	8800	8800	Y	Y		Programmable 7-Day
AprilAire	8810, 8820, 8830, 8840	8810, 8820, 8830, 8840	Y	Y	Y	Programmable 7-Day

Manufacturer	Product Name	Model				Notes
Armstrong	Comfort Sync A3	507175-01	Y	Y	Y	Dual-fuel capable (Comfort Sync-enabled HP only) with two balance points.
Bosch	Bosch Connected Control BCC100 Thermostat	BCC100	Y	N	Y	Uses local weather for outdoor temperature and balance point
Bryant	Evolution System Control	SYSTXBBECC01	Y	Y	Y	
Bryant	COR	T6-WEM01-A	Y	N	Y	
Bryant	COR 5C	TSTWHA01	Y	N	Y	
Bryant	COR 7C	TSTWRH01	Y	N	Y	
Building36	Alarm.com Smart Thermostat	ADC-T2000	Optional	Y	Y	Up to 4 heat 2 cool, 24v or battery operated. Cellular enabled option. Dehumidifier and external baffle functionality
Building36	Alarm.com Smart Thermostat HD	ADC-T40K-HD	Y	Y	Y	24v operated touchscreen thermostat with up to 4 heat and 2 cool and dual fuel capability. Cellular enabled option. Dehumidifier, Humidifier, external baffle, and vent control functionality.
Building36	Alarm.com Smart Thermostat (Design Studio Series)	ADC-T3000	Optional	Y	Y	Up to 4 heat 2 cool, 24v or battery operated. Cellular enabled option. Dehumidifier and external baffle functionality
Building36	Intelligent Thermostat	B36-T10	Optional	Y	N	Up to 4 heat 2 cool, 24v or battery operated. Cellular enabled
Carrier	COR	TP-WEM01-A	Y	N	Y	Uses local weather for outdoor Temperature and Change over
Carrier	COR 5C	TSTWHA01	Y	N	Y	Uses local weather for outdoor Temperature and Change over
Carrier	COR 7C	TSTWRH01	Y	N	Y	Uses local weather for outdoor Temperature and Change over
Carrier	Infinity System Control	SYSTXCCITC01-B, SYSTXCCWiC01-B	N	Y	Y	Available in black and white
Cielo WiGle Inc.	Cielo Smart Thermostat	CT101WA	Y	N	Y	Universal 4 Heat/2 Cool/Variable Capacity. (1) Cielo Smart thermostat fetches external weather data through cloud to enable the inerplay of appliances. (2) Cielo Smart Thermostats can also be used to connect to ductless appliances (mini split with IR control) linked through Cielo Linked (cloud platform). Cielo Linked enables the interplay of connected ductless systems and conventional ducted HVAC system.
Cielo WiGle Inc.	Cielo Smart Thermostat ECO	TE101WA (White Color Variant), TE102WA (Black Color Variant)	Y	N	Y	Cielo Smart Thermostat Eco supports Conventional Systems for up to 2 stages of Heating & 2 stages of Cooling. For Heat Pumps it supports up to 4 Stages of Heating and 2 Stages of Cooling. Cielo Smart Thermostat Eco fetches outdoor temperatures data from cloud and makes decisions based on that data for switching between Heat Pump and Aux heat source (dual fuel systems). In addition, the Cielo Smart Thermostat Eco can also be linked to Cielo Breez Max and/or Cielo Breez PLUS (Cielo's smart thermostats for mini splits) using Cielo Linked (our cloud-based platform to switch between fossil fuel-based systems and mini splits). Cielo Smart Thermostat Eco stores projected temperature data for next 72 hours to ensure its smooth decision-making process even if the Wi-Fi is temporarily lost. The product is available in Black and White Color variants.
Daikin	Daikin One Touch Smart Thermostat	DTST-TOU-A	N	Y	Y	Compatible with all Daikin brand communicating equipment
Daikin	One+	DTST-ONE-ADA-A	Y	Y	Y	Compatible with Daikin Mini-Split and Multi Split Heat Pump Products. Thermostat is provided with communication adaptor that requires 110-240 VAC power supply. Additional adaptor (KRP980B2E) required for connection to FTX _ NMVJU indoor units.Refer to comprehensive guide at https://cms.daikincomfort.com/docs/default-source/default-document-library/manual/pm-one-st.pdf
Daikin	One+	DTST-CWBSA-NI-A	Y	Y	Y	Compatible with qualifying Daikin Central Heat Pump Systems. Refer to comprehensive guide at https://cms.daikincomfort.com/docs/default-source/default-document-library/manual/pm-one-st.pdf
Daikin (Airzone)	DKN Plus Interface	AZAI6WSPDKC	N	Y	Y	Connects Daikin VRV, SkyAir or Mini-split indoor units to a secondary heat source via onboard relay output. Secondary heat source can be enable via outdoor temperature configure with a BLE application. Can also integrate a 3rd party thermostat with 2 stage heating to enable secondary heat source. Integrate ecobee and Honeywell thermostats with IFTTT for dual fuel control
Daikin	Adaptive Touch Controller	BACRC-T-P01	Y	Y	N	Connects Daikin VRV, SkyAir or Mini-split indoor units to an alternative heat source via onboard relay output.Controller required for each indoor unit. Can be used with outdoor temperature sensor to enable secondary heat source.
Daikin	Adaptive Touch Controller	BACRC-TH-P01	Y	Y	N	Connects Daikin VRV, SkyAir or Mini-split indoor units to an alternative heat source via onboard relay output.Controller required for each indoor unit. Can be used with outdoor temperature sensor to enable secondary heat source.
Daikin	Adaptive Touch Controller	BACRC-THO-P01	Y	Y	N	Connects Daikin VRV, SkyAir or Mini-split indoor units to an alternative heat source via onboard relay output.Controller required for each indoor unit. Can be used with outdoor temperature sensor to enable secondary heat source.
Daikin	Adaptive Touch Controller	BACRC-THOC-P01	Y	Y	N	Connects Daikin VRV, SkyAir or Mini-split indoor units to an alternative heat source via onboard relay output.Controller required for each indoor unit. Can be used with outdoor temperature sensor to enable secondary heat source.
Daikin	Wiring Adaptor PCB	KRP1C74/75	N	N	N	Connects Daikin VRV, SkyAir or Mini-split indoor units to a secondary heat source via onboard relay output. Install KRP1C74/75 with back up heat thermostat. Configure outdoor temperture lockout to enable secondary heat source https://daikinlibraryapi.daikincomfort.com/api/Download/GetDocument?id=f93267d4-303d-696b-9e5f-ff0000a9a572
Ecoer	Ecoer Smart Thermostat	EST02			Y	
Ecoer	Ecoer Smart Thermostat	EST1701	Y	Y	Y	The Ecoer Thermostat when coupled with the Ecoer Heat Pump will enable fuel switching at a predetermined outdoor temperature. The Ecoer Heat pump has an onboard outdoor ambient temperature sensor which can be programmed to initiate a second stage of heat at a predetermined outdoor temperature and during defrost operation. When coupled with the Ecoer EG910L Gateway, the switching temperature may be remotely programmed. Further, the Ecoer EST1701 has a two-speed indoor fan feature which allows the fan to a reduced speed when approaching the thermostat setpoint.

Manufacturer	Model	Model Number				Notes
Ecoer	Ecoer Gateway	EG910L				The Ecoer Gaeway is a two way cellular enabled communication device which transmits operating data from the Ecoer heat pump to the Ecoer monitoring computer. When enabled, critical operating information is recorded and relayed back to the installing contractor via a web enabled App. temperature setpoints may be addressed remotely through the app to enable fuel switching setpoints.
Ecobee	Ecobee 3 Lite	EB-STATE3LT***, EB-STATE3-01	Y	N	Y	Not a current model, but still available
Ecobee	Ecobee 4	EB-STATE4***	Y		Y	Ecobee 4 is now Ecobee Smart Thermostat, but Ecobee 4 is still available
Ecobee	Ecobee Smart Thermostat with Voice Control	EB-STATE5***	Y	N	Y	Model numbers may be slightly different due to color or vendor
Ecobee	Ecobee Thermostat	EB-STATE6***	Y	N	Y	Model numbers may be slightly different due to color or vendor. External Temperature Detection, Time of Day Usage, Additional Home Temperature Sensor, Geofencing (User Device Based), Additional Occupancy Sensor, Occupancy Sensor on Device, Humidity Sensing
Ecobee	Ecobee Thermostat	EB-STATE7P-01	Y	N	Y	
Heil	Ion™ System Control	SYST0101CW	Y	Y	Y	
Honeywell	FocusPRO S200 Smart Thermostat	TH2320WF4010				Wi-Fi dual fuel Thermostat, Energy Star Certified
Honeywell	FocusPRO P200 Programmable Thermostat	TH2320U4006				Non-connected dual fuel programmable/non-programmable thermostat
Honeywell	FocusPRO N200 Non-Programmable Thermostat	TH1320U4002				Non-connected dual fuel thermostat
Honeywell Home	Prestige IAQ	YTHX9421R5085WW	Y		Y	Requires THM6000R7001 Internet Gateway
Honeywell Home	Prestige IAQ	YTHX9421R5101WW	Y		Y	Requires THM6000R7001 Internet Gateway
Honeywell Home	Smart Round	TH8732WFH 5002	Y	Y	Y	Use with C7089U Wired Outdoor Sensor
Honeywell Home	T6 Pro	TH6320U 2008	Y	N	N	Use with C7089U Wired Outdoor Sensor
Honeywell Home	T6 Pro Smart	TH6320WF 2003	Y	Y	Y	Two options: 1) Use with C7089U Wired Outdoor Sensor or 2) Use local weather thru WiFi for outdoor temp and changeover.
Honeywell Home	VisionPro 8000 Smart	TH8320R 1003	Y	Y	N/Y	Use with C7089R Wireless Outdoor Sensor. Needs HW Thm6000R 7001 Gateway For Wi-Fi
Honeywell Home	VisionPro 8000 Smart	TH8321R 1001	Y	Y	N/Y	Use with C7089R Wireless Outdoor Sensor. Needs HW Thm6000R 7001 Gateway For Wi-Fi
Honeywell Home	WiFi 9000	TH9320WF5003/U	Y	N	Y	Outdoor temperature and humidity via WiFi, appear after registration.
Honeywell Home	WiFi 8000	TH8321WF 1001	Y	N	Y	
Honeywell Home/Resideo	True Zone Dual Fuel Zoning Panel	HZ432	Y	N	N	Use with C7089U1006 outdoor sensor. Zone control for centrally ducted heat pump system.
Honeywell Home/Resideo	True Zone Dual Fuel Zoning Panel Kit	HZ432K	Y	N	N	Use with C7089U1006 outdoor sensor. Zone control for centrally ducted heat pump system.
Honeywell Home/Resideo	True Zone Dual Fuel Zoning Panel Kit	TZ-4	Y	N	N	Zone control for centrally ducted heat pump system. A C7089B1000 Outdoor Temperature Sensor and a C7735A1000 Discharge Air Temperature Sensor are required for dual fuel operation
Honeywell Home/Resideo	T10+ Pro Smart Thermostat with RedLINK® 3.0 includes room sensor	THX321WFS3001W	Y	N	Y	
Honeywell Home/Resideo	T10 ProSmart with Redlink Sensor	THX321WFS2001W	Y	N	Y	Up to 3 Heat 2 Cool, 24v, with wireless indoor sensor,Can control Humidity or Ventillation
Honeywell Home/Resideo	T10 ProSmart	THX321WF2003W	Y	N	Y	Up to 3 Heat 2 Cool, 24v, with Humidity or Ventillation Control
Lennox Industries Inc.	S40 Smart Thermostat	22V24	Y	Y	Y	Universal 4 Heat/2 Cool/Variable Capacity
Lennox Industries Inc.	S30 Ultra Smart Thermostat	19V30	Y	Y	Y	Universal 4 Heat/2 Cool/Variable Capacity
Lennox Industries Inc.	E30 Smart Thermostat	15S63	Y	N	Y	Universal 4 Heat/2 Cool
Lennox Industries Inc.	M30 Smart Thermostat	15Z69	Y	N	Y	Universal 4 Heat/2 Cool
Lennox Industries Inc.	iComfort E30	E30	Y	N	Y	Universal Smart
Lennox Industries Inc.	iComfort M30	M30	Y	N	Y	Universal Smart
Lennox Industries Inc.	iComfort S30	S30	Y	Y	Y	Communicating Smart Thermostat
Lennox Industries Inc.	iComfort WiFi	WiFi	Y	Y	Y	Communicating Smart Thermostat
Lennox Industries Inc.	Harmony III	505,023M5	Y	Y	N	Zoning system
LG Electronics	Thermostat	PREMTBVC2	N	Y	N	2 set pt htg&clg 7day/humid sensor opt-zigby occ sensors
LG Electronics	Thermostat	PREMTBVC3	N	Y	N	2 set pt htg&clg 7day/humid sensor opt-zigby occ sensors
LG Electronics	Thermostat	PREMTBVC4	N	Y	N	2 set pt htg&clg 7day/humid sensor + zigby occ sensors
LG Electronics	Thermostat	PREMTC00U	N	Y	N	Simple Thermostat
LG Electronics	Dry Contact	PDRYCB320	N	N	N	Dry contact for third party t-stat
LG Electronics	ZRNU Series Idu Model - Dry Contact Built In	ALL "ZRNU" SERIES IDU	Y	Y	Y	ZRNU Series IDU + 2 Stage Tsat With Wired/Wireless/Internet Odt Sensing Wired Through Relay To CN_CC Of Any (1) IDU
LG Electronics (Airzone)	Aidoo Pro	AZAI6WSPLGE	N	Y	Y	The Airzone Aidoo Pro is compatible with all ducted and non-ducted units that have a CN_REMO plug. The Aidoo Pro can be used with any 3rd party thermostat and the integrated control can be done through the thermostat or the Aidoo Pro can be used on its own for the integrated control as it has a Aux heat relay output. If using the thermostat, switchover can be done through the thermostat logic and if using the Aidoo Pro with native LG controls, switchover can be done based off of outdoor temperature through the app.
LG Electronics (Airzone)	VAF	AZVAFCB2LGE	N	Y	Y	Compatible with LG Electronics ducted indoor units using the CN_REMO plug . Provides means of controlling any heating and cooling source equipment and specifying sequence of stages as well as differential temperature for activation of secondary sources. WIFI & Bacnet functionality optional.
LG MFG	Thermostat	PREMTA201	Y	Y	Y	Wi-Fi connection built in, requires a ThinQ account
LG MFG	Thermostat	PREMTB101	Y	Y	N	Standard Controller with White Case
LG MFG	Thermostat	PREMTBB11	Y	Y	N	Standard Controller with Black Case
LG MFG	Cloud Gateway	PWFMDB200	Y	Y	Y	Connects ODU to wi-fi and allows IDUs on the system to be controlled via ThinQ. Requires ThinQ Account.

Manufacturer	Product	Model				Notes
Mitsubishi Electric	Kumo Cloud with IFTTT compatible Thermostat	PAC-USWHS002-WF-1 or PAC-USWHS002-WF-2	N	Y	Y	IFTTT App connects Mitsubishi Electric Kumo Cloud with any IFTTT compatible thermostat. Current IFTTT compatible thermostats include Ecobee, and Honeywell as of 11/1/19. For list of devices, go to www.ifttt/services (Environment Control & Monitoring). Integration is capable by logging compatible thermostat and Kumo Cloud into IFTTT, then creating applet allowing IFTTT to adjust primary and secondary heating systems, based on outdoor temperature.
MRCOOL, LLC	MRCOOL Smart Thermostat	MST04	Y	N	Y	The MRCOOL Smart Thermostat is compatible with conventional HVAC systems, supporting up to 2 stages of heating and 2 stages of cooling. For heat pump systems, it accommodates up to 4 stages of heating and 2 stages of cooling. The MRCOOL Smart Thermostat also stores projected temperature data for the next 72 hours, ensuring continuous operation and decision-making even if the Wi-Fi connection is temporarily lost.
Google Nest	Nest Learning Thermostat 3rd Gen	T3018US	Y	N	Y	
Google Nest	Nest Learning Thermostat 3rd Gen	T3019US	Y	N	Y	
Google Nest	Nest Learning Thermostat 3rd Gen	T3032US	Y	N	Y	
Google	Nest Learning Thermostat (4th gen)	GA05169-US, GA05551-US, GA05171-US, GA05560-US	Y	Y	Y	The Nest Learning Thermostat (4th gen) works with most 24V systems, including gas, electric, oil, forced air, heat pump, and radiant. It can control: Heating 1, 2, and 3 stages (W1, W2, W3); Cooling 1 and 2 stages (Y1, Y2); Heat pump with auxiliary and emergency heat (O/B, AUX, E); Fan (G, G2, G3); Power (C, RH, RC); Humidifier and dehumidifier (HUM, DEHUM); Ventilation (VENT). The Nest Learning Thermostat's* connector can accept one of these wires: W3, E, HUM, or DEHUM. The AQ+ and AQ- connectors can accept 1-wire or 2-wire VENT, HUM, or DEHUM.
Google Nest	Nest Learning Thermostat (3rd gen)	T3007ES, T3008US, T3016US, T3017US, T3021US	Y	Y	Y	
Google Nest	Nest Thermostat	GA02180-US	Y	N	Y	Works with 85% of systems (2H/1C or 1H/2C). Programmable 7-day thermostat with guided setup. Installed using our "Pro Flow" install experience made for professionals. Heat Pump Balance allows for auto switch over to conserve energy.
Google Nest	Nest Thermostat	GA01334-US, GA02081-US, GA02082-US, GA02083-US	Y	Y	Y	The Nest Thermostat works with most 24V heating and cooling systems, including furnaces, air conditioners, boilers, and heat pumps with either forced air or radiant delivery. It works with conventional systems that have one stage of heating and cooling and a second stage of either heating or cooling. It works with heat pumps that have one stage of heating and cooling and either aux or emergency heat. And it works with HVAC fans.
Google Nest	Nest Thermostat E	T4000ES	Y	Y	Y	
Robertshaw	Robertshaw	9725I2	Y		Y	9725I2 Programmable Thermostat (3 Heat - 2 Cool)
Robertshaw	Robertshaw	9825I2	Y		Y	9825I2 Programmable Thermostat (3 Heat - 2 Cool)
Ruud	Econet Thermostat	ETST700SYS	Y	Y	Y	Amazon Alexa compatible for use with communicating Ruud equipment only.
Tekmar	Invita	564	Y	N	Y	2 wire stat with equipment interface
Tekmar	Invita	564B	Y	N	Y	same but black finish
Tekmar		557	Y	Y	Y	WiFi only with additional Gateway control
Tekmar		563	Y	N	Y	Stand alone with WiFi
Trane	XL 824	TCONT824AS52D*	Y	N	Y	Remote wired outdoor temp sensor BAYSENS01ATEMPA. Boiler systems compatible.
Trane	XR 724	TCONT724AS42D*	Y	N	Y	Remote wired outdoor temp sensor BAYSENS01ATEMPA. Boiler systems compatible.
Trane	XL 850	TCONT850AC52U*	Y	Y	Y	Remote wired outdoor temp sensor BAYSENS01ATEMPA. Boiler systems compatible (requires BAYWAKIT24VACA accessory).
Trane	XL 1050	TZON1050AC52Z*	Y	Y	Y	Remote wired outdoor temp sensor BAYSENS01ATEMPA. Boiler systems compatible (requires BAYWAKIT24VACA accessory).
Trane	Link 360	TLINK360A2VVU*	N	Y	Y	Product is a kit that includes 2 required pieces: a Smart Thermostat (THUI2360A200U*) and System Controller (TSYS2C60A2VVU*). Remote wired outdoor temp sensor BAYSENS01ATEMPA.