Last update: 7/17/2026

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.

Dual Fuel Thermostats (Qualify as Integrated Controls with eligible 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	8446	Y			Non-Programmable
AprilAire	8448	8448	Y			Non-Programmable

AprilAire		8476	8476	Y			Programmable 5/2 or 5/1/1
AprilAire		8600	8600	Y			Programmable 7-Day
AprilAire		8910	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	S84N5U		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	8620W	8620W		Y		Y	Programmable 7-Day
AprilAire	8910W	8910W		Y		Y	Programmable 7-Day
AprilAire	8920W	8920W		Y		Y	Programmable 7-Day

AprilAire		8800	8800 Y	Y		Programmable 7-Day
AprilAire		8840	8840 Y	Y	Y	Programmable 7-Day
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-B	N	Y	Y	Available in black and white. Uses outdoor sensor for outdoor Temperature and Change over
Bryant	Evolution System Control	SYSTXBBECC01-C	N	Y	Y	Available in black and white. Uses outdoor sensor for outdoor Temperature and Change over
Bryant	Evolution System Control	SYSTXBBECF01-B	N	Y	Y	Available in black and white. Uses outdoor sensor for outdoor Temperature and Change over
Bryant	Evolution System Control	SYSTXBBWEC01-B	N	Y	Y	Available in black and white. Uses outdoor sensor for outdoor Temperature and Change over
Bryant	Evolution System Control	SYSTXBBWEC01-C	N	Y	Y	Available in black and white. Uses outdoor sensor for outdoor Temperature and Change over
Bryant	Evolution System Control	SYSTXBBWEF01-B	N	Y	Y	Available in black and white. Uses outdoor sensor for outdoor Temperature and Change over

Bryant	Ecobee3Lite for Bryant Smart Thermostat with IntelliSense	EB-STATE3LTBB-01	Y	N	Y	Uses local weather for outdoor temperature and change over
Bryant	Ecobee3Lite for Bryant Smart Thermostat with IntelliSense	EB-STATE3LTBR-01	Y	N	Y	Uses local weather for outdoor temperature and change over
Bryant	ecobee for Bryant Smart Thermostat Lite with InteliSense	EB-STATE7IBR-01	Y	N	Y	Uses local weather for outdoor temperature and change over
Bryant	ecobee for Bryant Smart Thermostat Premium with IntelliSense	EB-STATE6IBR-01	Y	N	Y	Uses local weather for outdoor temperature and change over
Bryant	Bryant Smart Thermostat	TSTATBBEWF-01	Y	N	Y	Uses local weather for outdoor temperature and change over
Bryant	Wi-Fi Programmable Controller	KSACN1501AAA		Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller + Crossover Coil Interface Kit) Only available for purchase with the model 45MULAQ - Dual Fuel Control
Bryant	Wi-Fi Programmable Controller	KSACN1701BAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Bryant	Wi-Fi Programmable Controller	KSACN1701AAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Bryant	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (37MUHA/37MURA) and AHRI-rated Bryant residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.
Bryant	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (37MUHA/37MURA) and AHRI-rated Carrier residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.

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	Infinity System Control	SYSTXCCITC01-B	N	Y	Y	Available in black and white
Carrier	Infinity System Control	SYSTXCCWiC01-B	N	Y	Y	Available in black and white
Carrier	Wi-Fi Programmable Controller	KSACN1501AAA		Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller + Crossover Coil Interface Kit) Only available for purchase with the model 45MULAQ - Dual Fuel Control
Carrier	Wi-Fi Programmable Controller	KSACN1701BAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Carrier	Wi-Fi Programmable Controller	KSACN1701AAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Carrier	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (37MUHA/37MURA) and AHRI-rated Carrier residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.

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.	https://cms.daikincomfort.com/docs/default-source/default-document-library/manual/pm-one-st.pdf
Copeland	Sensi Touch 2 smart thermostat - White	1F96U-42WF				Energy Star rated. Multi-Stage Universal touchscreen thermostat. Dual fuel capable. Compatible with indoor remote wireless sensors (sold separately). Max of fifteen sensors per Sensi Touch 2 thermostats.	
Daikin	Daikin One Touch Smart Thermostat	DTST-TOU-A	N	Y	Y	Compatible with all Daikin brand communicating equipment	https://cms.daikincomfort.com/docs/default-source/default-document-library/manual/pm-one-st.pdf
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	One+	DTST-CWBSA-NI-B	Y	Y	Y	Compatible with all Daikin, Amana, and Goodman brand communicating equipment.	
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	
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	
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		

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.
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.
Goodman	Goodman GTST Connected Thermostat	GTST-CW-WH-A	N	Y	Y	Compatible with all Daikin, Amana, and Goodman brand communicating equipment.
Google	Nest Learning Thermostat (4th gen)	GA05169-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 Learning Thermostat (4th gen)	GA05551-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 Learning Thermostat (4th gen)	GA05171-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 Learning Thermostat (4th gen)	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	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	Nest Learning thermostat - Third Gen	T3007ES	Y	N	Y	Nest Learning Thermostat Pro - 3rd Generation (Stainless Steel, Carbon Blk, White, Copper)
Google Nest	Nest Learning thermostat - Third Gen	T3008US	Y	N	Y	Nest Learning Thermostat Pro - 3rd Generation (Stainless Steel, Carbon Blk, White, Copper)
Google Nest	Nest Learning thermostat - Third Gen	T3016US	Y	N	Y	Nest Learning Thermostat Pro - 3rd Generation (Stainless Steel, Carbon Blk, White, Copper)
Google Nest	Nest Learning thermostat - Third Gen	T3017US	Y	N	Y	Nest Learning Thermostat Pro - 3rd Generation (Stainless Steel, Carbon Blk, White, Copper)
Google Nest	Nest Learning thermostat - Third Gen	T3021US	Y	N	Y	Nest Learning Thermostat Pro - 3rd Generation (Stainless Steel, Carbon Blk, White, Copper)
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 E	T4000ES	Y		Y	
Google Nest	Nest Thermostat	GA01334-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	GA02081-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	GA02082-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	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.
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	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 ProSmart	THX321WF2003W	Y	N	Y	Up to 3 Heat 2 Cool, 24v, with Humidity or Ventillation Control
Honeywell Home/Resideo	T10+ Pro Smart Thermostat with RedLINK® 3.0 includes room sensor	THX321WFS3001W	Y	N	Y	
Honeywell Home/Resideo	Elite Pro	THX1200B6/U	y	y	y	

Honeywell Home/Resideo	Elite Pro	THX1200W5/U	y	y	y	
Honeywell Home/Resideo	Elite Pro	YTHX1200B6/U	y	y	y	kit w/sensor
Honeywell Home/Resideo	Elite Pro	YTHX1200W5/U	y	y	y	kit w/sensor
Honeywell Home/Resideo	Elite Pro	YTHX1200B8/U	y	y	y	kit with EIM
Honeywell Home/Resideo	Elite Pro	YTHX1200W7/U	y	y	y	kit with EIM
Honeywell Home/Resideo	Elite Pro	THX1100B4/U	y	y	y	
Honeywell Home/Resideo	Elite Pro	THX1100W3/U	y	y	y	
Honeywell Home/Resideo	Elite Pro	THX1000B2/U	y	y	y	
Honeywell Home/Resideo	Elite Pro	THX1000W1/U	y	y	y	
Honeywell Home/Resideo	Elite Pro	THX900B2/U	y	y	y	

Honeywell Home/Resideo	Elite Pro	THX900W1/U	y	y	y	
ICP	Wi-Fi Programmable Controller	KSACN1501AAA		Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller + Crossover Coil Interface Kit) Only available for purchase with the model 45MULAQ - Dual Fuel Control
ICP	24V Interface Gen 3	KSAIC0501230		Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller + Crossover Coil Interface Kit) Only available for purchase with the model 45MULAQ - Dual Fuel Control
ICP	Wi-Fi Programmable Controller	KSACN1701BAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
ICP	Wi-Fi Programmable Controller	KSACN1701AAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
ICP	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (D5CUHAH/D5CURAH) and AHRI-rated ICP residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.
Innovair Solutions USA	17317100009536	17317100009536	N	Y	Y	
Ion	Ion Gray Smart Thermostat	TSTATIIEWF-01	Y	N	Y	Uses local weather for outdoor temperature and change over
Lennox Industries Inc.	Harmony III	X9953	Y	Y	N	Zoning system; updated model number.
Lennox Industries Inc.	L40, Smart Programmable Thermostat	L40	Y	Y	Y	

Lennox Industries Inc.	S40 Smart Thermostat	22V24	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.	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)	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	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.
Mitsubishi Electric	Kumo Cloud	PAC-USWHS002-WF-1	N	Y	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	Kumo Cloud	PAC-USWHS002-WF-2	N	Y	Y	
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.
Payne	Wi-Fi Programmable Controller	KSACN1501AAA		Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller + Crossover Coil Interface Kit) Only available for purchase with the model 45MULAQ - Dual Fuel Control
Payne	Wi-Fi Programmable Controller	KSACN1701BAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.

Payne	Wi-Fi Programmable Controller	KSACN1701AAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Payne	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (37MUHA/37MURA) and AHRI-rated Carrier residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.
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	Pivot Thermostat	BAYSTAT814B	Y	Y	Y	https://elibrary.tranetechnologies.com/public/commercial-hvac/Literature/Installation%20Operation%20and%20Maintenance/BAS-SVX078G-EN_11082023.pdf

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.
Venstar	ColorTouch	T7900	Yes	No	Yes	
Venstar	ColorTouch	T7850	Yes	No	Yes	
Venstar	Explorer IAQ	T3950-IAQ	Yes	No	Yes	
Viessmann	Wi-Fi Programmable Controller	KSACN1501AAA	No	Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller + Crossover Coil Interface Kit) Only available for purchase with the model D5FULAH - Dual Fuel Control
Viessmann	Wi-Fi Programmable Controller	KSACN1401AAA	No	Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller) for Ductless Indoor Units/Ductless AHUs/Crossover AHUs - Heat Pump Control

Viessmann	Wired Smart Controller	KSACN1701AAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Viessmann	Wired Smart Controller	KSACN1701BAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Viessmann	24V Ductless Interface	KSAIC0801230	Yes	Yes	Yes	2026 24V Ductless Interface: Auxiliary Heat Source Support or On/Off - 12V connection option via CN3 port on the 24V interface: 12V output powered by the indoor unit main board - Comes enclosed with 24V Transformer 208/250V - optional 115V by field installation/Wi-Fi enable by the third-party 24V thermostat connected to the 24V interface
Viessmann	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (D5CUHAH/D5CURAH) and AHRI-rated ICP residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.

Last update: 7/17/2026

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.

Integrated Controls Package								
Manufacturer	Model Name	Model #	24v (Y/N)	Communicating (Y/N)	WiFi Enabled (Y/N)	Notes	Reference 1	Reference 2
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			
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)	FT_AZAI6WSPFU2_MUL.pdf (airzonecloud.com)	

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
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.
Airzone North America Corp	Aidoo Pro STI	AZAI6WP2***	Y	Y	Y	Cloud-based remote management & integration; dual Wi-Fi; supports Modbus/BACnet and API integrations.
Airzone North America Corp	Aidoo Pro HUB	AZAI8HB2***	N	Y	Y	Cloud device with Ethernet or Wi-Fi; supports Modbus/BACnet and API integrations; auxiliary heat control/locking.
Airzone North America Corp	Aidoo Pro Wi-Fi	AZAI6WSP***	N	Y	Y	Cloud + dual Wi-Fi; auxiliary heat control/locking; supports Modbus/BACnet and API integrations.
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
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.

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.
Bryant	24V Interface	KSAIC0301230	Y	Y	Y*	Requires one 24V Interface Kit, one Third Prty Thermostat and Double Pole Double Throw (DPDT) relay per indoor unit. *Wifi enabled based on thermostat selected.
Bryant	24V Interface	KSAIC0601230	Y	Y	Y*	Ductless 24V Interface Mini: Auxiliary Heat Source Support or On/Off - 12V connection option via CN3 port on the 24V interface: 12V output powered by the indoor unit main board 24V Installation Package: T1 Thermistor Included- with optional extension cable for purchase for flexible installation. Configurable Setup: Dial codes and DIP switches (SW) for precise system adjustments Power Requirements: Requires external 24V transformer input (not included). Simplified Wiring: Indoor-only wiring to the 24V interface; no outdoor connection required *Wi-Fi Ready - Wireless funcionality available depending on third-party thermostat selection
Bryant	Bryant Smart Thermostat	TSTATCCEWF-01	Y	Y	Y	

Bryant	Wi-Fi Programmable Controller	KSACN1401AAA	No	Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller) for Ductless Indoor Units/Ductless AHUs/Crossover AHUs - Heat Pump Control
Bryant	24V Interface Gen 3	KSAIC0501230	Yes	Yes	Yes	Ductless 24V Interface Gen 3: 24V Third-party thermostat/App integration, Water level switch (5V) output option, (Defrost, Dehumidification, Alarm/Remote control via Dry contacts) 24V Transformer included
Bryant	Wi-Fi Programmable Controller	KSACN1701BAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Bryant	Wi-Fi Programmable Controller	KSACN1701AAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Bryant	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (37MUHA/37MURA) and AHRI-rated Bryant residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.
Bryant	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (37MUHA/37MURA) and AHRI-rated Carrier residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.
Bryant	24V Ductless Interface	KSAIC0801230	Yes	Yes	Yes	2026 24V Ductless Interface: Auxiliary Heat Source Support or On/Off - 12V connection option via CN3 port on the 24V interface: 12V output powered by the indoor unit main board - Comes enclosed with 24V Transformer 208/250V - optional 115V by field installation/Wi-Fi enable by the third-party 24V thermostat connected to the 24V interface
Carrier	Infinity User Interface	SYSTXCCITC01-C	Y	Y	Y	

Carrier	Infinity User Interface	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.
Carrier	Infinity User Interface	SYSTXCCITC01-C	N	Y	Y	Available in black and white Uses outdoor sensor for outdoor temperature and changeover
Carrier	Infinity User Interface	SYSTXCCICF01-B	N	Y	Y	Available in black and white Uses outdoor sensor for outdoor temperature and changeover
Carrier	Infinity User Interface	SYSTXCCWIC01-B	N	Y	Y	Available in black and white Uses outdoor sensor for outdoor temperature and changeover
Carrier	Infinity User Interface	SYSTXCCWIC01-C	N	Y	Y	Available in black and white Uses outdoor sensor for outdoor temperature and changeover
Carrier	Infinity User Interface	SYSTXCCWIF01-B	N	Y	Y	Available in black and white Uses outdoor sensor for outdoor temperature and changeover
Carrier	Ecobee3Lite for Carrier Smart Thermc	EB-STATE3LTICB-01	Y	N	Y	Uses local weather for outdoor temperature and change over

Carrier	Ecobee3Lite for Carrier Smart Thermc	EB-STATE3LTICR-01	Y	N	Y	Uses local weather for outdoor temperature and change over
Carrier	Ecobee for Carrier Smart Thermostat	EB-STATE7ICR-01	Y	N	Y	Uses local weather for outdoor temperature and change over
Carrier	Ecobee for Carrier Smart Thermostat	EB-STATE6ICR-01	Y	N	Y	Uses local weather for outdoor temperature and change over
Carrier	Carrier Smart Thermostat	TSTATCCEWF-01	Y	N	Y*	Uses local weather for outdoor temperature and change over
Carrier	24V Interface	KSAIC0601230	Y	Y	Y*	Ductless 24V Interface Mini: Auxiliary Heat Source Support or On/Off - 12V connection option via CN3 port on the 24V interface: 12V output powered by the indoor unit main board 24V Installation Package: T1 Thermistor Included- with optional extension cable for purchase for flexible installation. Configurable Setup: Dial codes and DIP switches (SW) for precise system adjustments Power Requirements: Requires external 24V transformer input (not included). Simplified Wiring: Indoor-only wiring to the 24V interface; no outdoor connection required *Wi-Fi Ready - Wireless funcionality available depending on third-party thermostat selection
Carrier	Wi-Fi Programmable Controller	KSACN1401AAA	No	Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller) for Ductless Indoor Units/Ductless AHUs/Crossover AHUs - Heat Pump Control
Carrier	24V Interface Gen 3	KSAIC0501230	Yes	Yes	Yes	Ductless 24V Interface Gen 3: 24V Third-party thermostat/App integration, Water level switch (5V) output option, (Defrost, Dehumidification, Alarm/Remote control via Dry contacts) 24V Transformer included
Carrier	Wi-Fi Programmable Controller	KSACN1701BAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.

Carrier	Wi-Fi Programmable Controller	KSACN1701AAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Carrier	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (37MUHA/37MURA) and AHRI-rated Carrier residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.
Carrier	24V Ductless Interface	KSAIC0801230	Yes	Yes	Yes	2026 24V Ductless Interface: Auxiliary Heat Source Support or On/Off - 12V connection option via CN3 port on the 24V interface: 12V output powered by the indoor unit main board - Comes enclosed with 24V Transformer 208/250V - optional 115V by field installation/Wi-Fi enable by the third-party 24V thermostat connected to the 24V interface
Cielo WiGle Inc.	Cielo Breez Max (Smart AC controller for any brand ductless systems)	BM101WA (Black 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 Max (Smart AC controller for any brand ductless systems)	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 Smart Thermostat ECO	TE101WA (White 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
Cielo WiGle Inc.	Cielo Smart Thermostat ECO	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
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.

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-6	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	
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.	
Flair	Puck 2 Pro	FLAIRPUCK2001P	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. Sensi: All models of their smart wifi enabled thermostats.	
Flair	Puck Pro	FLAIRPUCK001P	N	N	Y	Compatible Mini Split Brands and Compatible Smart Thermostats Listed at: flair.co/integrated-controls. 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.	flair.co/integrated-controls

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	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. **Replaces 8202011300	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 existing 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 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 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		
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.		

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.
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	WK-010WC1	NC20700410	Y	Y	Y	The WK-010WC1 thermostat supports communication exclusively with Gree Flex indoor and outdoor units via RS485 protocol. Integrated control requires the Gree+ App, which ensures a seamless setup process after powering up.
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. Requires Flair Puck - ICS001P
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.
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.
ICP	24V Interface	KSAIC0301230	Y	Y	Y*	Requires one 24V Interface Kit, one Third Prty Thermostat and Double Pole Double Throw (DPDT) relay per indoor unit. *Wifi enabled based on thermostat selected.
ICP	24V Interface	KSAIC0601230	Y	Y	Y*	Ductless 24V Interface Mini: Auxiliary Heat Source Support or On/Off - 12V connection option via CN3 port on the 24V interface: 12V output powered by the indoor unit main board 24V Installation Package: T1 Thermistor Included- with optional extension cable for purchase for flexible installation. Configurable Setup: Dial codes and DIP switches (SW) for precise system adjustments Power Requirements: Requires external 24V transformer input (not included). Simplified Wiring: Indoor-only wiring to the 24V interface; no outdoor connection required *Wi-Fi Ready - Wireless funcionality available depending on third-party thermostat selection
ICP	Wi-Fi Programmable Controller	KSACN1401AAA	No	Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller) for Ductless Indoor Units/Ductless AHUs/Crossover AHUs - Heat Pump Control
ICP	24V Interface Gen 3	KSAIC0501230	Yes	Yes	Yes	Ductless 24V Interface Gen 3: 24V Third-party thermostat/App integration, Water level switch (5V) output option, (Defrost, Dehumidification, Alarm/Remote control via Dry contacts) 24V Transformer included

ICP	Wi-Fi Programmable Controller	KSACN1701BAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
ICP	Wi-Fi Programmable Controller	KSACN1701AAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
ICP	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (D5CUHAH/D5CURAH) and AHRI-rated ICP residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.
ICP	24V Ductless Interface	KSAIC0801230	Yes	Yes	Yes	2026 24V Ductless Interface: Auxiliary Heat Source Support or On/Off - 12V connection option via CN3 port on the 24V interface: 12V output powered by the indoor unit main board - Comes enclosed with 24V Transformer 208/250V - optional 115V by field installation/Wi-Fi enable by the third-party 24V thermostat connected to the 24V interface
Innovair Solutions	SLIM4 Control	17317100009536	N	Y	Y	
Innovair Solutions USA	SLIM Smart Thermostat	SLIMST900X	Yes	Yes	Yes	This thermostat has both protocols, 24V and communicating.
Ion	Ion Black	SYST0101CW	N	Y	Y	Uses local weather for outdoor temperature and change over
Ion	Ion Black	SYST0201CW	N	Y	Y	Uses local weather for outdoor temperature and change over

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	Y	Y	N	Communicating 4 Heat/4 Cool
Lennox Industries Inc.	CS8500 Communicating Sensor	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	Auxiliary Heat Relay Kit	PRARH1	Y	Y	N	
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 Electronics	Thermostat	PREMTBB11	Y	Y	Y	Standard Controller with Black Case
LG Electronics	Thermostat	PREMTB101	Y	Y	Y	Standard Controller with White Case
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	Mitsubishi PAC-US446CN-1 - Thermostat Adapter Interface	PAC-US446-CN-1	Y	Y*	N	Must provide 3rd party 2 stage thermostat and 24V transformer.
Mitsubishi Electric	Intelli-Heat	PAA Series	Y	Y	N	PAA-series (PAA-BA18NL, PAA-AA18NL,PAA-AA24NL, PAA-BA24NL, PAA-BA30NL, PAA-AA30NL, PAA-CA36NL, PAA-BA36NL, PAA-BAA42NL,PAA-CA42NL) indoor units are compatible with P-Series Outdoor units and MXZ Outdoor Units. Please review approved submittals on Mitsubishipro.com or use Diamond System Builder software to determine specific applications and capacities.
Mitsubishi Electric	Kumo Station	PAC-WHS01HC-E	N	N	Y	Requires an outdoor temperature sensor and each unit needs a Kumo Cloud interface Required outdoor temperature sensor and each unit needs a Kumo Cloud interface - C7089U1006/U Required Kumo Cloud interface for each outdoor unit. - PAC-USWHS002-WF-2

Mitsubishi Electric	Thermostat Interface	PAC-US444CN-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, see Application Note 3044. *Depends on Thermostat Selected. **Requires Transformer VPL24-210	
Mitsubishi Electric	Thermostat Interface	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, see Application Note 3044. *Depends on Thermostat Selected. **Requires Transformer VPL24-210	
Mitsubishi Electric	Kumo Cloud	PAC-USWHS002-WF-2	N	Y	Y		
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 indoor unites include Wall Mounted MSZ-FS Series, Floor Mounted MFZ-KJ Series, Ceiling Cassettes MSZ-SLZ & MSZ-MLZ, Ducted units SVZ, PVA, SEZ, PEAD series products.	
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	https://doc.airzonecloud.com/Documentation/AZ6/AI6/FT_AZAI6WSPMEL_MUL.pdf
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.	
Mitsubishi Electric	intelli-HEAT Cased Coil	PAA-A18AA1	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	
Mitsubishi Electric	intelli-HEAT Cased Coil	PAA-A18BA1	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	

Mitsubishi Electric	intelli-HEAT Cased Coil	PAA-A24AA1	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
Mitsubishi Electric	intelli-HEAT Cased Coil	PAA-A24BA1	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
Mitsubishi Electric	intelli-HEAT Cased Coil	PAA-A30AA1	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
Mitsubishi Electric	intelli-HEAT Cased Coil	PAA-A30BA	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
Mitsubishi Electric	intelli-HEAT Cased Coil	PAA-A36BA1	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
Mitsubishi Electric	intelli-HEAT Cased Coil	PAA-A36CA1	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
Mitsubishi Electric	intelli-HEAT Cased Coil	PAA-A42BA1	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
Mitsubishi Electric	intelli-HEAT Cased Coil	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

Mitsubishi Electric	Ecodan	ERSF-NM6E	N	N	N	
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
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.
Payne	24V Interface	KSAIC0301230	Y	Y	Y*	Requires one 24V Interface Kit, one Third Prty Thermostat and Double Pole Double Throw (DPDT) relay per indoor unit. *Wifi enabled based on thermostat selected.
Payne	24V Interface	KSAIC0601230	Y	Y	Y*	Ductless 24V Interface Mini: Auxiliary Heat Source Support or On/Off - 12V connection option via CN3 port on the 24V interface: 12V output powered by the indoor unit main board 24V Installation Package: T1 Thermistor Included- with optional extension cable for purchase for flexible installation. Configurable Setup: Dial codes and DIP switches (SW) for precise system adjustments Power Requirements: Requires external 24V transformer input (not included). Simplified Wiring: Indoor-only wiring to the 24V interface; no outdoor connection required *Wi-Fi Ready - Wireless funcionality available depending on third-party thermostat selection
Payne	Wi-Fi Programmable Controller	KSACN1401AAA	No	Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller) for Ductless Indoor Units/Ductless AHUs/Crossover AHUs - Heat Pump Control

Payne	24V Interface Gen 3	KSAIC0501230	Yes	Yes	Yes	Ductless 24V Interface Gen 3: 24V Third-party thermostat/App integration, Water level switch (5V) output option, (Defrost, Dehumidification, Alarm/Remote control via Dry contacts) 24V Transformer included
Payne	Wi-Fi Programmable Controller	KSACN1701BAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Payne	Wi-Fi Programmable Controller	KSACN1701AAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Payne	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (37MUHA/37MURA) and AHRI-rated Carrier residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.
Payne	24V Ductless Interface	KSAIC0801230	Yes	Yes	Yes	2026 24V Ductless Interface: Auxiliary Heat Source Support or On/Off - 12V connection option via CN3 port on the 24V interface: 12V output powered by the indoor unit main board - Comes enclosed with 24V Transformer 208/250V - optional 115V by field installation/Wi-Fi enable by the third-party 24V thermostat connected to the 24V interface
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	N	N	Requires a R250s Wired Outdoor Sensor. Dual Fuel Balance Point can be set in the options.		
Pro1	855sh	T855sh	Y	N	N	Requires a R250s Wired Outdoor Sensor. Dual Fuel Balance Point can be set in the options.		
Pro1	855ish	T855ish	Y	N	Y	Requires a R250s Wired Outdoor Sensor. Dual Fuel Balance Point can be set in the options.		
Pro1	ProSync	T755WHO	Y	N	N	Requires a R250W Wireless Outdoor Sensor. Dual Fuel Balance Point can be set in the options		
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.		
Rheem	Econet Smart Thermostat	RETST800SYS	Y	Y	Y	For use with Rheem communicating equipment only.		
Samsung	DMS 2.5 Data Management Server	MIM-D01AUN	N	Y	N	The Samsung DMS 2.5 Data Management Server Model MIM-D01AUN has the capability to enable/disable Samsung heat pumps and external heat sources through a programmable logic function and onboard digital output terminals. Sequence: • The DMS 2.5 will monitor the outdoor temperature sensor of the Samsung outdoor heat pump unit. • When the outdoor temperature falls below the programmed setting, the Samsung indoor units will be commanded off and the alternate fossil fuel heat source will be enabled. Enabling is done through one of the 8 on board digital outputs that provide 12VDC. A normally open relay with a 12VDC coil is required.		
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	https://www.smartthings.com/products-list	https://www.samsunghvac.com/products

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-
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	
Venstar	Explorer Mini	T2000	Yes	No	Yes	
Venstar	ColorTouch	T7900	Yes	No	Yes	
Venstar	ColorTouch	T7850	Yes	No	Yes	
Venstar	Explorer IAQ	T3950-IAQ	Yes	No	Yes	

Viessmann	Wi-Fi Programmable Controller	KSACN1501AAA	No	Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller + Crossover Coil Interface Kit) Only available for purchase with the model D5FULAH - Dual Fuel Control
Viessmann	Wi-Fi Programmable Controller	KSACN1401AAA	No	Yes	Yes	Wi-Fi & App Control: (Wired Programmable Controller) for Ductless Indoor Units/Ductless AHUs/Crossover AHUs - Heat Pump Control
Viessmann	Wired Smart Controller	KSACN1701AAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Viessmann	Wired Smart Controller	KSACN1701BAA	Yes	Yes	Yes	Two-Wire or 24V Wire Connection, Wi-Fi & App-Enabled, Wired Programmable Controller for Ductless Multi-Positional AHUs, Multi-Family AHUs, Crossover Multi-Positional AHUs, Crossover Coil, and Furnace Applications (Standard Installation). Compatible with standard Ductless Indoor Units only when paired with a compatible 24V interface.
Viessmann	24V Ductless Interface	KSAIC0801230	Yes	Yes	Yes	2026 24V Ductless Interface: Auxiliary Heat Source Support or On/Off - 12V connection option via CN3 port on the 24V interface: 12V output powered by the indoor unit main board - Comes enclosed with 24V Transformer 208/250V - optional 115V by field installation/Wi-Fi enable by the third-party 24V thermostat connected to the 24V interface
Viessmann	24V Crossover Interface	KSAIC0701230	Yes	Yes	Yes	Designed for use with Crossover Heat Pumps (D5CUHAH/D5CURAH) and AHRI-rated ICP residential furnaces and fan coils. Supports one 24V interface per system for full 24V control while connected via the CN17 S1/S2 2-wire connection between the interface and the outdoor unit (ODU). Includes RT1 thermistor. A compatible third-party 24V Wi-Fi thermostat enables wireless connectivity through its corresponding App integration.
ZONEFIRST	Zone Control Panel	H32	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	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 changoever 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.