

Integrated Controls Package

June 28, 2022

Manufacturer	Model Name	Model #	Integrated Control of Mini-Split System and Backup Heating System (Y/N)	Dual Fuel control of Central HP and backup central heating system (Y/N)	Notes	Operation Manual	Install Guide	Customer Facing Materials
Airzone - Corporacion Empresarial Altra S.L.	VAF control system  AZVAF	AZVAFB2[XXX] AZVAFBLUEFACE[XX] AZVAFTHINK[XX] AZVAFLITE[XX] AZX6WSC5GER AZX6WSPHUB AZVAFDAMPER[XXX]	Y	Y	Configurable electronic board with communication gateway that controls the system through wired and wireless devices. Externally powered at 110 / 230 Vac. - Controls the status of the thermostats, up to 10 zones. - Controls the proportionality and the minimum air supply of the dampers. - Control of optional auxiliary heat (up to two stages). - Control gateway management. - Communication with units of integral control of the installation. - Communications with other external control systems through integration bus.  The plate is connected to WiFi through a Webserver module for controlling Airzone systems through Airzone Cloud platform. Accessible through browser or App (available for IOS and Android).  System control is done by olor graphic interfaces with capacitive screen for controlling zones in Airzone systems.	<a href="https://doc.airzone.es/producto/Gama_AZ6/VAF-ZBS/Fichas_tecnicas/FTAZxxxRxxxx_A4_MUL.pdf">https://doc.airzone.es/producto/Gama_AZ6/VAF-ZBS/Fichas_tecnicas/FTAZxxxRxxxx_A4_MUL.pdf</a>	<a href="https://doc.airzone.es/producto/Gama_AZ6/VAF-ZBS/Manuales/MI_AZ_VAF_A4_EN.pdf">https://doc.airzone.es/producto/Gama_AZ6/VAF-ZBS/Manuales/MI_AZ_VAF_A4_EN.pdf</a>	<a href="https://doc.airzonecloud.com/Sales-Projects/Solutions-guide/Solutions_Guide_Airzone.pdf">https://doc.airzonecloud.com/Sales-Projects/Solutions-guide/Solutions_Guide_Airzone.pdf</a>
Airzone - Corporacion Empresarial Altra S.L.	Aidoo Pro Wi-Fi Controller  AZAI6WSP	AZAI6WSPDA0 AZAI6WSPDA1 AZAI6WSPFUJ AZAI6WSPHIT AZAI6WSPH2 AZAI6WSPH3 AZAI6WSPH4 AZAI6WSPH5 AZAI6WSPH6 AZAI6WSPH7 AZAI6WSPH8 AZAI6WSPH9 AZAI6WSPH10 AZAI6WSPH11 AZAI6WSPH12 AZAI6WSPH13 AZAI6WSPH14 AZAI6WSPH15 AZAI6WSPH16 AZAI6WSPH17 AZAI6WSPH18 AZAI6WSPH19 AZAI6WSPH20	Y	Y	Device to manage and integrate Split units remotely from the Cloud. Online control with the "Airzone Cloud" App (available for IOS and Android). Wireless Wi-Fi connection. Self-powered by external power supply provided.  - Dual Wi-Fi communications (2.4/5 GHz). - Possibility of integration via Local API and Cloud API. - Control of the parameters of the unit. - Communication errors detection. - Temperature and operating mode time schedules. - Multi-user and multi-session. - Port for integration via Modbus/BACnet protocol. - Third party smart thermostat integrations (3PTI). - On/Off output and input. - Relay to connect auxiliary heat through a secondary system of support resistors or burner	<a href="https://doc.airzonecloud.com/Documentacion/AZ6/Ai6/FT_AZAI6WSPDA0_MUL.pdf">https://doc.airzonecloud.com/Documentacion/AZ6/Ai6/FT_AZAI6WSPDA0_MUL.pdf</a>	<a href="https://doc.airzonecloud.com/Documentacion/AZ6/Ai6/FT_AZAI6WSPDA0_MUL.pdf">https://doc.airzonecloud.com/Documentacion/AZ6/Ai6/FT_AZAI6WSPDA0_MUL.pdf</a>	<a href="https://www.airzonecontrol.com/control-solutions/aidoo/pro/">https://www.airzonecontrol.com/control-solutions/aidoo/pro/</a>
Arzel Zoning Technology	HeatPump Pro 2 Zone HeatPump Pro 3 Zone HeatPump Pro 4 Zone	PAN-HPP02 PAN-HPP03 PAN-HPP04	N	Y	The HeatPump Pro series of zoning control panels comes with 2,3 and 4 zone options, perfect for multi-stage dual fuel systems. The control panel is fully programmable and incorporates adjustable balance point changeover, staging thresholds, adjustable limits and lockout set points. Since the HeatPump Pro is fully programmable no heat pump or multi-stage thermostats are required. The HeatPump Pro is also completely compatible with WiFi enabled thermostats. Includes transformer, duct temperature sensor and outdoor sensor. Our zoning systems are easily retrofittable in existing or new duct systems with our EzySlide series dampers and are backed with a lifetime warranty.	<a href="https://f.hubspotusercontent30.net/hubfs/8345432/HPPPro%20manual%20and%20brochure/Contractor%20HeatPumpPro%20Install%20Manual%202021-04-27.pdf">https://f.hubspotusercontent30.net/hubfs/8345432/HPPPro%20manual%20and%20brochure/Contractor%20HeatPumpPro%20Install%20Manual%202021-04-27.pdf</a>	<a href="https://f.hubspotusercontent30.net/hubfs/8345432/HPPPro%20manual%20and%20brochure/Contractor%20HeatPumpPro%20Install%20Manual%202021-04-27.pdf">https://f.hubspotusercontent30.net/hubfs/8345432/HPPPro%20manual%20and%20brochure/Contractor%20HeatPumpPro%20Install%20Manual%202021-04-27.pdf</a>	<a href="https://f.hubspotusercontent30.net/hubfs/8345432/HPPPro%20manual%20and%20brochure/4%20HPP%20Brochure_2020.pdf">https://f.hubspotusercontent30.net/hubfs/8345432/HPPPro%20manual%20and%20brochure/4%20HPP%20Brochure_2020.pdf</a>
Bryant	Evolution Series Control	SYSTXBCEC01-B SYSTXBWEC01-B	N	Y	Compatible with Bryant Evolution® indoor equipment. Hybrid Heat Technology capable -a dual-fuel solution that combines an electric heat pump with a gas furnace or a hot water coil in combination with Bryant Evolution fan coil and heat pump. The control adjusts operation of equipment based on maximizing efficiency or a set point.	<a href="https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/OMSYSTXBCEC-07.pdf">https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/OMSYSTXBCEC-07.pdf</a>	<a href="https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/II-SYSTXBCEC-09.pdf">https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/II-SYSTXBCEC-09.pdf</a>	<a href="https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/01-8110-1562-25.pdf">https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/01-8110-1562-25.pdf</a>
Carrier	Infinity Series Control	SYSTXCCIC01-B SYSTXCCWIC01-B	N	Y	Compatible with Infinity® indoor equipment. Hybrid Heat Technology capable -a dual-fuel solution that combines an electric heat pump with a gas furnace or a hot water coil in combination with an Infinity fan coil and heat pump and adjusts operation of equipment based on maximizing efficiency or a set point.	<a href="https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/OMSYSTXCCIC-07.pdf">https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/OMSYSTXCCIC-07.pdf</a>	<a href="https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/SYSTXCCIC-09SI.pdf">https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/SYSTXCCIC-09SI.pdf</a>	<a href="https://www.sharedocs.com/hvac/docs/1010/Public/0C/01-TSTAT-093-25.pdf">https://www.sharedocs.com/hvac/docs/1010/Public/0C/01-TSTAT-093-25.pdf</a>
Carrier	24v Interface for 3rd party thermostats	KSAIC0301230	Y	N	Requires one 24V Interface Kit, one Third Party Thermostat and Double Pole Double Throw (DPDT) relay per indoor unit. Third party thermostat may be Wi-Fi enabled.	<a href="https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/IM-KSAIC03-07.pdf">https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/IM-KSAIC03-07.pdf</a>	<a href="https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/01-DLS-043-01.pdf">https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/01-DLS-043-01.pdf</a>	<a href="https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/01-DLS-043-01.pdf">https://ca-manufacturer-documents.s3.amazonaws.com/Carrier/Docs/01-DLS-043-01.pdf</a>

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CMNA ICP-MIDEA	24v Interface for 3rd party thermostats	KSAIC0401230	Y	N	Requires one 24V Interface Kit, one Third Party Thermostat and Double Pole Double Throw (DPDT) relay per indoor unit. Third party thermostat may be Wi-Fi enabled.		<a href="https://www.shareddocs.com/hvac/docs/1009/Public/08/IM-KSAIC04-04.pdf">https://www.shareddocs.com/hvac/docs/1009/Public/08/IM-KSAIC04-04.pdf</a>	
Daikin Manufacturing Company, L.P.	One+ Smart Thermostat	DTST-ONE-ADA-A	Y	Y	Compatible with Daikin Mini-Split and Multi Split Heat Pump Products, Daikin VRV Heat Pump Products, and Daikin SkyAir 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. Accessory systems can be connected to two sets of auxiliary terminals on the Daikin One+ Thermostat.	<a href="https://backend.daikincomfort.com/docs/default-source/product-documents/residential-accessories/hg-one-st.pdf?sfvrsn=c0692726_38">https://backend.daikincomfort.com/docs/default-source/product-documents/residential-accessories/hg-one-st.pdf?sfvrsn=c0692726_38</a>	<a href="https://daikinone.com/smart_thermostats/oneplus/pros/TRC-4-DaikinOnePlus-Installation-Commissioning-S21-v6.pdf">https://daikinone.com/smart_thermostats/oneplus/pros/TRC-4-DaikinOnePlus-Installation-Commissioning-S21-v6.pdf</a>	<a href="https://backend.daikincomfort.com/docs/default-source/product-documents/residential/brochures/pf-one-connect_smz.pdf">https://backend.daikincomfort.com/docs/default-source/product-documents/residential/brochures/pf-one-connect_smz.pdf</a>
							<a href="https://daikinone.com/smart_thermostats/oneplus/pros/P1P2InstallationTraining.pdf">https://daikinone.com/smart_thermostats/oneplus/pros/P1P2InstallationTraining.pdf</a>	<a href="https://backend.daikincomfort.com/docs/default-source/product-documents/residential/brochures/pf-one-connect_vrv.pdf">https://backend.daikincomfort.com/docs/default-source/product-documents/residential/brochures/pf-one-connect_vrv.pdf</a>
								<a href="https://backend.daikincomfort.com/docs/default-source/product-documents/residential/brochures/pf-one-connect_skyair.pdf">https://backend.daikincomfort.com/docs/default-source/product-documents/residential/brochures/pf-one-connect_skyair.pdf</a>
Daikin Manufacturing Company, L.P.	One+ Smart Thermostat	DTST-CW8SA-NI-A	N	Y	Compatible with qualifying Daikin Central Heat Pump Systems. Accessory systems can be connected to two sets of auxiliary terminals on the Daikin One+ Thermostat.	<a href="https://backend.daikincomfort.com/docs/default-source/product-documents/residential-accessories/hg-one-st.pdf?sfvrsn=c0692726_38">https://backend.daikincomfort.com/docs/default-source/product-documents/residential-accessories/hg-one-st.pdf?sfvrsn=c0692726_38</a>	<a href="https://daikinone.com/smart_thermostats/oneplus/pros/DaikinOneInstallationCommissioning-webv2.pdf">https://daikinone.com/smart_thermostats/oneplus/pros/DaikinOneInstallationCommissioning-webv2.pdf</a>	<a href="https://backend.daikincomfort.com/docs/default-source/product-documents/residential/brochures/pf-one-connect_resi.pdf">https://backend.daikincomfort.com/docs/default-source/product-documents/residential/brochures/pf-one-connect_resi.pdf</a>
Daikin Manufacturing Company, L.P.	DKN Plus Wi-Fi Adaptor	AZA16WSPDKC	Y	N	Connects Daikin VRV, Daikin SkyAir and/or Daikin 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.	<a href="https://backend.daikincomfort.com/docs/default-source/product-documents/commercial/manual/operation-manuals/om_dkns-2101.pdf">https://backend.daikincomfort.com/docs/default-source/product-documents/commercial/manual/operation-manuals/om_dkns-2101.pdf</a>	<a href="https://backend.daikincomfort.com/docs/default-source/product-documents/commercial/manual/operation-manuals/om_dkns-2101.pdf">https://backend.daikincomfort.com/docs/default-source/product-documents/commercial/manual/operation-manuals/om_dkns-2101.pdf</a>	<a href="https://backend.daikincomfort.com/docs/default-source/product-documents/commercial/finer/pf-dkplus.pdf?sfvrsn=60282326_12">https://backend.daikincomfort.com/docs/default-source/product-documents/commercial/finer/pf-dkplus.pdf?sfvrsn=60282326_12</a>
ecobee	SmartThermostat Pro with voice control	EB-STATE5P-01	N	Y	<ul style="list-style-type: none"> <li>- Compatible with dual fuel applications using Flair puck and ecobee as auxiliary control</li> <li>- Compatible with any residential ductless mini-split or hybrid system using standard 24VAC interface</li> <li>- Droop from 0.5 to 3 F, in increments of 0.5</li> <li>- Full inverter functionality is possible through wired application. Can work through virtual splits but can't control the compressor. Interface adapters are required</li> <li>- If multispeed fan is enabled, there are three fan speeds to choose from, can also be optimized automatically for FCU's</li> </ul>	<a href="https://ecobee.showpad.com/share/zhGgEnOwzBUZoEuui80Q">https://ecobee.showpad.com/share/zhGgEnOwzBUZoEuui80Q</a>	<a href="https://www.ecobee.com/wp-content/themes/ecobee/dist/files/smart_thermostat_voice_installation_guide.pdf">https://www.ecobee.com/wp-content/themes/ecobee/dist/files/smart_thermostat_voice_installation_guide.pdf</a>	<a href="https://www.ecobee.com/en-us/smart-thermostats/smart-wifi-thermostat-with-voice-control/">https://www.ecobee.com/en-us/smart-thermostats/smart-wifi-thermostat-with-voice-control/</a>
ecobee	ecobee3 lite Pro	EB-STATE3LTP-02	N	Y	<ul style="list-style-type: none"> <li>- Compatible with dual fuel applications using Flair puck and ecobee as auxiliary control</li> <li>- Compatible with any residential ductless mini-split or hybrid system using standard 24VAC interface</li> <li>- Droop from 0.5 to 3 F, in increments of 0.5</li> <li>- Full inverter functionality is possible through wired application. Can work through virtual splits but can't control the compressor. Interface adapters are required</li> <li>- If multispeed fan is enabled, there are three fan speeds to choose from, can also be optimized automatically for FCU's</li> </ul>	<a href="https://ecobee.showpad.com/share/zhGgEnOwzBUZoEuui80Q">https://ecobee.showpad.com/share/zhGgEnOwzBUZoEuui80Q</a>	<a href="https://www.ecobee.com/wp-content/uploads/2016/10/ecobee3lite_installation_guide.pdf">https://www.ecobee.com/wp-content/uploads/2016/10/ecobee3lite_installation_guide.pdf</a>	<a href="https://www.ecobee.com/en-us/smart-thermostats/smart-wifi-thermostat/">https://www.ecobee.com/en-us/smart-thermostats/smart-wifi-thermostat/</a>

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Flair	Puck Pro	FLAIRPUCK001P	Y	Y	Flair is compatible with all mini split brands that are controlled with IR (infrared) technology. One Puck Pro is required per mini split head unit (indoor unit). For ducted mini splits, a wall-mounted IR receiver will be required and one Puck Pro per IR receiver is required.  A smart thermostat is required to control the secondary heating system. Flair integrates with all ecobee, Google Nest and Honeywell WiFi-connected smart thermostats.	<a href="#">Secondary Heat Requirements and Settings</a>  <a href="#">Integrated Controls App Setup</a>	<a href="#">Flair Puck Pro &amp; Integrated Controls Install Guide</a>	<a href="#">Flair's Integrated Controls for Hybrid Heating</a>
Fujitsu	Wired Remote Controller (Touch Panel)	UTY-RNRUZ* UTY-RHRY UTY-RSRY	Y	N	Airstage outdoor unit series VR-II, J-IVM, J-IVS and indoor unit series TLAV1 and TLAV2 (External Connect Kit UTY-XWZXC and a 12Vdc control relay required for aux. heating control connection).  Halcyon (single-zone system indoor units only): Models ASUG09-12LMAS, ASUG09-15LZAS, ASUG09-15LZBS (External IO PCB UTY-SCSXZ2, External Connect Kit UTY-XWZXZ5 and a 12Vdc control relay required for aux heat control connection).  Models ASUH09-12LMAS, ADUH09-18LUAS1, ARU12-48RGLX, ACUH09-18LUAS1, AUU18-48RGLX, AMUG24-48LMAS (External Connect Kit UTY-XWZXZ5 and a 12Vdc control relay required for aux heating control connection).		<a href="#">UTY-RNRUZ5 Installation Manual</a>  <a href="#">UTY-RHRY Installation Manual</a>  <a href="#">UTY-RSRY Installation Manual</a>	<a href="#">Integrated Heating Control (Remote Controller)</a>
Fujitsu	Wireless Remote Controller	UTY-LNHU	Y	N	Compatible with all Airstage models (External Connect Kit UTY-XWZXC and a 12Vdc control relay required for aux. heating control connection).	<a href="#">UTY-LNHU Operation Manual</a>		
Fujitsu	Wireless Remote Controller	UTY-LBTUC	Y	N	Compatible with Halcyon model AUU18-48RGLX (External Connect Kit UTY-XWZXZ5 and a 12Vdc control relay required for aux heating control connection).	<a href="#">UTY-LBTUC Operation Manual</a>		
Fujitsu	Wireless Remote Controller	UTY-LBTUM	Y	N	Compatible with Halcyon models ADUH09-18LUAS1, ARU12-48RGLX, AMUG24-48LMAS (External Connect Kit UTY-XWZXZ5 and a 12Vdc control relay required for aux heating control connection).	<a href="#">UTY-LBTUM Operation Manual</a>		<a href="#">Integrated Heating Control (Remote Controller)</a>
Fujitsu	Wireless Remote Controller	UTY-LNTU	Y	N	Halcyon model ACUH09-18LUAS1 (External Connect Kit UTY-XWZXZ5 and a 12Vdc control relay required for aux heating control connection).	<a href="#">UTY-LNTU Operation Manual</a>		
Fujitsu	UTY-TTRX Third Party Thermostat Interface	UTY-TTRX	Y	N	Model accepts 24Vac inputs from a third-party thermostat. The aux heat source is energized as a second stage; control of the aux heat source is independent of the UTY-TTRX and Fujitsu heat pumps.  Compatible with all Airstage indoor unit series TLAV, TLAV1 and TLAV2.  Compatible with Halcyon single-zone system indoor unit models EXCEPT ASU9-12RL2, ABU18-36RULX, and ASU30CLX1.  Some indoor units require Interface Kit to connect to T-Stat interface: Wall Mount Models ASU7-15RLF1: UTY-XCBXZ2 Wall Mount Models ASUG09-12LMAS, ASUH09-12LMAS, ASUG09-15LZAS, ASUG09-15LZBS: UTY-TWRXZ2		<a href="#">UTY-TTRXZ1 Installation Manual</a>	<a href="#">Integrated Heating Control (3rd Party Thermostat)</a>
Honeywell Home/Resideo	Wi-Fi VisionPRO® 8000	TH8321WF1001/U	N	Y		<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-00000s/33-00066EFS.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-00000s/33-00066EFS.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-00000s/33-00065EFS.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-00000s/33-00065EFS.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/03-00000s/03-00058.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/03-00000s/03-00058.pdf</a>
Honeywell Home/Resideo	T6 Pro Smart Thermostat	TH6320WF2003	N	Y		<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-00000s/33-00410EFS.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-00000s/33-00410EFS.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-00000s/33-00392EFS.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-00000s/33-00392EFS.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/03-00000s/03-00308.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/03-00000s/03-00308.pdf</a>

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Honeywell Home/Resideo	T10 Pro Smart Thermostat with RedLINK indoor sensor	THX321WFS2001W	N	Y	Includes RedLINK wireless indoor sensor C7189R2002. Additional sensors C7189R2002-2 (2-Pack) sold separate. Up to 20 sensors per thermostat.	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-0000s/33-00428.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-0000s/33-00428.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-0000s/33-00479EFS.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-0000s/33-00479EFS.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/03-0000s/03-00457.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/03-0000s/03-00457.pdf</a>
Honeywell Home/Resideo	T10 Pro Smart Thermostat without RedLINK indoor sensor	THX321WF2003W	N	Y	RedLINK wireless indoor sensor C7189R2002-2 (2-Pack) sold separate. Up to 20 sensors per thermostat.	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-0000s/33-00428.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-0000s/33-00428.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-0000s/33-00479EFS.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/33-0000s/33-00479EFS.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/03-0000s/03-00457.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/03-0000s/03-00457.pdf</a>
Honeywell Home/Resideo	Prestige IAQ kit with thermostat, Equipment interface module, RedLINK Internet Gateway, wireless outdoor sensor & wireless indoor sensor	YTHX9421R7001WW	N	Y		<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2740.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2740.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2739.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2739.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1909.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1909.pdf</a>
Honeywell Home/Resideo	Prestige IAQ kit with thermostat, Equipment interface module, & RedLINK Internet Gateway	YTHX9421R5127WW	N	Y	C7089R1013 wireless outdoor sensor or C7089U1006 wired outdoor sensor (sold separate) needed for dual fuel or balance point lockouts.	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2740.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2740.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2739.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2739.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1909.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1909.pdf</a>
Honeywell Home/Resideo	Prestige IAQ kit with thermostat, Equipment interface module, & wireless outdoor sensor	YTHX9421R5101WW	N	Y	THM6000R7001 Gateway (sold separate) needed for Internet/app control	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2740.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2740.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2739.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2739.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1909.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1909.pdf</a>
Honeywell Home/Resideo	Prestige IAQ kit with thermostat & Equipment interface module	YTHX9421R5085WW	N	Y	C7089R1013 wireless outdoor sensor or C7089U1006 wired outdoor sensor (sold separate) needed for dual fuel or balance point lockouts. THM6000R7001 Gateway (sold separate) needed for Internet/app control	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2740.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2740.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2739.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2739.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1909.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1909.pdf</a>
Honeywell Home/Resideo	RedLINK VisionPRO 8000 with humidity, dehumidity or ventilation control	TH8321R1001	N	Y	C7089R1013 wireless outdoor sensor or C7089U1006 wired outdoor sensor (sold separate) needed for dual fuel or balance point lockouts. THM6000R7001 Gateway (sold separate) needed for Internet/app control	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2761EFS.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2761EFS.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2760.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2760.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1910.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1910.pdf</a>
Honeywell Home/Resideo	RedLINK VisionPRO 8000 kit with humidity, dehumidity or ventilation control. RedLINK Gateway included	YTH8321R1002	N	Y	C7089R1013 wireless outdoor sensor or C7089U1006 wired outdoor sensor (sold separate) needed for dual fuel or balance point lockouts.	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2761EFS.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2761EFS.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2760.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2760.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1910.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1910.pdf</a>
Honeywell Home/Resideo	RedLINK VisionPRO 8000	TH8320R1003	N	Y	C7089R1013 wireless outdoor sensor or C7089U1006 wired outdoor sensor (sold separate) needed for dual fuel or balance point lockouts. THM6000R7001 Gateway (sold separate) needed for Internet/app control	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2761EFS.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2761EFS.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2760.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/69-0000s/69-2760.pdf</a>	<a href="https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1910.pdf">https://customer.resideo.com/resources/TechLit/TechLitDocuments/50-0000s/50-1910.pdf</a>

Integrated Controls Package

June 28, 2022

Manufacturer	Model Name	Model #	Integrated Control of Mini-Split System and Backup Heating System (Y/N)	Dual Fuel control of Central HP and backup central heating system (Y/N)	Notes	Operation Manual	Install Guide	Customer Facing Materials
IO HVAC Control	Zone Control Panel	ZP4-ESP	Y	Y	4-zone panel that is capable for integrating up to two stages of heat pump compressor with fossil fuel furnace backup. The panel incorporates fully adjustable high and low balance point control which plays an important role in efficient HVAC system operation when a heat pump is used with a fossil fuel auxiliary heat source. Low balance point control only allows the auxiliary heat source to be used when the outdoor temperature drops below the adjustable low balance point setting or when there is a heat pump failure and a zone thermostat is placed in the emergency heat mode. The same applies to high balance point control which prevent an auxiliary heat source from being used when the outdoor temperature is above the high balance point setting. The panel has inputs for four zone thermostats; each zone thermostat must be equipment compatible. The panel also features an ESP function that eliminates the need for a conventional bypass damper when used with a forced air ducted system.		<a href="https://www.iohvaccontrols.com/images/file.php?file_id=30636">https://www.iohvaccontrols.com/images/file.php?file_id=30636</a>	<a href="https://www.iohvaccontrols.com/images/file.php?file_id=36938">https://www.iohvaccontrols.com/images/file.php?file_id=36938</a>
Lennox	S30 Ultra Smart Thermostat	S30	No	Yes	Balance Point adjustments for switchover temperatures can be done by either the Dealer and/or the Homeowner. Dealer: Reference pages 8, 23 & 47 within the iComfort S30 Ultra Smart Thermostat Installation and Setup Guide Homeowner: Reference pages 12 & 22 within the iComfort E30/S30 Smart Thermostat User Guide	<a href="https://resources.lennox.com/pdfs/owners/s30/Lennox_iComfortS30_Homeowner_Manual.pdf">https://resources.lennox.com/pdfs/owners/s30/Lennox_iComfortS30_Homeowner_Manual.pdf</a>	<a href="https://www.lennox.com/lib/pdfs/owners/icomfort/lennox_icomforts30_installation_manual_setup_guide.pdf">https://www.lennox.com/lib/pdfs/owners/icomfort/lennox_icomforts30_installation_manual_setup_guide.pdf</a>	<a href="https://resources.lennox.com/pdfs/owners/s30/Lennox_iComfortS30_Homeowner_Manual.pdf">https://resources.lennox.com/pdfs/owners/s30/Lennox_iComfortS30_Homeowner_Manual.pdf</a>
LG Electronics	Auxiliary Heater Relay Kit	PRARS1 PRARHQ PRARH1	Y	N	Compatible with most Wall Mounted LG Indoor Units (check compatibility on MYLG or contact your sales engineer). This LG Auxiliary Heater Relay Kit provides an efficient way to add one stage of auxiliary heat to your system. There are several control applications that can be utilized with an Auxiliary Heater Relay Kit: • The System is the primary heat source and the Auxiliary Heater Relay Kit controls the secondary heat source. • Auxiliary Heater Relay Kit controls the primary heat source and the system is the secondary heat source. • Auxiliary Heater Relay Kit can stage heat sources based on Outside Ambient Temperature. • The Auxiliary Heater Relay Kit can control the auxiliary heat source as an emergency heat source if the system is not operational. The LG Auxiliary Heater Relay Kit allows flexible control to optimize system efficiency and maintain space comfort.	<a href="https://files.lghvac.com/resources//Auxiliary_Heater_Relay_Kit_WP_AHU.pdf?ga=2.242399681.271787612.1636382623-1404635512.1629215067">https://files.lghvac.com/resources//Auxiliary_Heater_Relay_Kit_WP_AHU.pdf?ga=2.242399681.271787612.1636382623-1404635512.1629215067</a>	<a href="https://files.lghvac.com/resources/ITD_AuxHeaterRelayKit_ID.pdf?ga=2.234535261.271787612.1636382623-1404635512.1629215067">https://files.lghvac.com/resources/ITD_AuxHeaterRelayKit_ID.pdf?ga=2.234535261.271787612.1636382623-1404635512.1629215067</a>	<a href="https://lghvac.com/residential-light-commercial/product-type/?productId=a2x4400003XR2j&amp;iscommercial=false&amp;class=Controls&amp;ga=2.193180782.271787612.1636382623-1404635512.1629215067">https://lghvac.com/residential-light-commercial/product-type/?productId=a2x4400003XR2j&amp;iscommercial=false&amp;class=Controls&amp;ga=2.193180782.271787612.1636382623-1404635512.1629215067</a>
Mitsubishi Electric	Kumo Station	PAC-WHS01HC-E	Y	N	Requires an outdoor temperature sensor (C7089U1006/U) and each unit needs a Kumo Cloud interface (PAC-USWHS002-WF-2)	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\kumocloud_2.10_Owner-Manual.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\kumocloud_2.10_Owner-Manual.pdf</a>	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10004\M_PAC-WHS01HC-E_INSTALL_BH79A350H01_2017-06.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10004\M_PAC-WHS01HC-E_INSTALL_BH79A350H01_2017-06.pdf</a>	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10007\M_Submittal_PAC-WHS01HC-E%20kumo%20station%20Submittal.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10007\M_Submittal_PAC-WHS01HC-E%20kumo%20station%20Submittal.pdf</a>
Mitsubishi Electric	Kumo Cloud with IFTTT compatible thermostat	PAC-USWHS002-WF-2	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 <a href="http://www.ifttt.com/services">www.ifttt.com/services</a> (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.	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\kumocloud_2.10_Owner-Manual.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\kumocloud_2.10_Owner-Manual.pdf</a>	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\PAC-USWHS002-WF-2_Install_Manual_04_21.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\PAC-USWHS002-WF-2_Install_Manual_04_21.pdf</a>	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10009\M_Submittal_PAC-USWHS002-WF-2.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10009\M_Submittal_PAC-USWHS002-WF-2.pdf</a>

Integrated Controls Package

June 28, 2022

Manufacturer	Model Name	Model #	Integrated Control of Mini-Split System and Backup Heating System (Y/N)	Dual Fuel control of Central HP and backup central heating system (Y/N)	Notes	Operation Manual	Install Guide	Customer Facing Materials
Mitsubishi Electric	CN24 Relay Kit	CN24RELAY-KIT-CM3	Y	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.	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\Application%20Note%203056%20ME%20-%20Enabling%20Backup%20Heat%20on%20Ductless%20M-Series.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\Application%20Note%203056%20ME%20-%20Enabling%20Backup%20Heat%20on%20Ductless%20M-Series.pdf</a>	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10004\CN24RELAY-KIT-CM3_12-01-09.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10004\CN24RELAY-KIT-CM3_12-01-09.pdf</a>	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\IM_Submittal_CN24RELAY-KIT-CM3.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\IM_Submittal_CN24RELAY-KIT-CM3.pdf</a>
Mitsubishi Electric	PAC444 Interface for Third-Party Thermostats	PAC-US444CN-1	Y	N	Requires a T-Stat Interface and transformer (VPL24-210) 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.	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\Application%20Note%203057%20ME%20-%20Thermostat%20Interface%20Settings%20for%20Humid%20Climates.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10006\Application%20Note%203057%20ME%20-%20Thermostat%20Interface%20Settings%20for%20Humid%20Climates.pdf</a>	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10005\PAC-US444CN-1_Thermostat_Interface_Installation_Instructions_en_05-27-15.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10005\PAC-US444CN-1_Thermostat_Interface_Installation_Instructions_en_05-27-15.pdf</a>	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10007\IM_Submittal_PAC-US444CN-1.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10007\IM_Submittal_PAC-US444CN-1.pdf</a>
Mitsubishi Electric	Airzone	AZZBSR2MEL	Y	N	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.	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10005\USERS_MANUAL_AZ6_ZBS_A5_MUL.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10005\USERS_MANUAL_AZ6_ZBS_A5_MUL.pdf</a>	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10005\INSTALLATION_MANUAL_AZ_ZBS_A4_EN.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10005\INSTALLATION_MANUAL_AZ_ZBS_A4_EN.pdf</a>	<a href="http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10005\Solutions_Guide_Airzone_2018_MEUS.pdf">http://meus1.mylinkdrive.com/viewPdf?srcUrl=http://enter.mehvac.com.s3.amazonaws.com/DAMRoot/Original/10005\Solutions_Guide_Airzone_2018_MEUS.pdf</a>
Samsung HVAC	24VAC Thermostat Adapter	MIM-A60UN	Y	N	Adapter that will allow control of Samsung HVAC systems sold in North America with a standard 24VAC thermostat • One adapter per indoor unit connected to the F3-F4 communication line • Basic control of: oPower: ON/OFF oMode: Heat, Cool, Fan (auto, low, medium, high) • Supports 1 or 2 stages cooling inputs, 1 or 2 stages heating inputs • Can be configured to operate the Samsung indoor unit as primary heating source, secondary heating source, or cooling only with heat from an external source only	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>
Samsung HVAC	SmartThings	N/A	Y	Y	Samsung HVAC products using the SmartThings App to connect to any of the following SmartThings enabled thermostats: 2gig, American Standard, Ecobee, Fibaro, Nest, Honeywell, Lux, Nexia Popp, Sinope, Stelpro, Trane, Zen. See smartthings.com/products-list for specific models. Integration is possible by adding compatible thermostat to SmartThings App and automating changeover logic through the app.	<a href="#">Link</a>	<a href="#">Link</a>	<a href="#">Link</a>