

SAMSUNG Electronics HVAC

SAMSUNG “WHISPER” SERIES SINGLE ZONE SPLIT SYSTEMS
HVAC Guide Specifications
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Single zone heat pump systems

Samsung Electronics “Whisper” Series Model Numbers:

Model	Indoor Unit	Outdoor Unit
AR09KSWSJWK	AR09KSWSJWKNCV	AR09KSWSJWKXCV
AR12KSWSJWK	AR12KSWSJWKNCV	AR12KSWSJWKXCV
AR18KSWSJWK	AR18KSWSJWKNCV	AR18KSWSJWKXCV
AR24KSWSJWK	AR24KSWSJWKNCV	AR24KSWSJWKXCV

Part 1 – General

1.01 SYSTEM DESCRIPTION

The variable capacity, heat pump air conditioning system shall be a Samsung Electronics System. The systems shall be (cool/heat) split system heat pump.

The heat pump system shall consist of a single outdoor condensing unit, single indoor unit, and wireless controller.

The condensing shall be a horizontal discharge, 208/230V, 1Ph, 60Hz unit.

The evaporator shall be wall-mounted (high-wall) type.

1.02 QUALITY ASSURANCE

- A. The units shall be listed by Electrical Laboratories (ETL) and bear the ETL label.
- B. All wiring shall be in accordance with the National Electrical Code (N.E.C.).
- C. The units shall be manufactured in a facility registered to ISO 9001 and ISO14001 which is a set of standards applying to environmental protection set by the International Standard Organization (ISO).
- D. A full charge of R-410A for the condensing unit only shall be provided in the condensing unit. Additional refrigerant is required based on lengths of system liquid refrigerant lines.

Part 2 – Outdoor Unit Performance

2.01 The outdoor unit shall perform as indicated below (nominal capacity):

Outdoor Unit	Nominal Capacity (Btu/h)	
	Cooling	Heating
AR09KSW SJWKXCV	9,000	12,000
AR12KSW SJWKXCV	12,000	13,600
AR18KSW SJWKXCV	18,000	20,600
AR24KSW SJWKXCV	21,000	27,000

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 43°F.

Part 3 – Products

3.01 AR**KSW SJWKXCV Condensing Unit

A. General:

The outdoor unit shall be equipped with multiple circuit boards that shall perform all functions necessary for operation. The outdoor unit shall have a powder coated finish. The outdoor unit shall be completely factory assembled, piped and wired. Each unit shall be run tested at the factory.

The outdoor unit shall have a sound rating no higher than the following:

Model	dB
AR09KSW SJWKXCV	51
AR12KSW SJWKXCV	53
AR18KSW SJWKXCV	57
AR24KSW SJWKXCV	60

1. Both refrigerant lines from the outdoor unit to indoor units shall be insulated.
2. The outdoor unit shall have an accumulator.
3. The outdoor unit shall have a high pressure safety switch, fuse, over-current protection and crank case heating device.
4. The outdoor unit shall have the ability to operate with a maximum height difference and total length noted in table below.

Model	Maximum Vertical Separation (feet)	Maximum Line Set Length (feet)
AR09KSW SJWKXCV	26	50
AR12KSW SJWKXCV	26	50
AR18KSW SJWKXCV	50	98
AR24KSW SJWKXCV	50	98

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5. The outdoor unit shall be capable of operating in outside ambient temperatures between 14⁰F to 115⁰F in cooling mode without additional low ambient controls or devices.
6. Cooling operation down to 5⁰F is possible with installation of front and back wind baffles.
7. The outdoor unit shall be capable of operating in outside ambient temperatures between -5⁰F and 75⁰F in heating mode without additional low ambient controls. When heating in outdoor conditions between -5⁰F ~ 5⁰F a field provided base pan heater may be required to prevent ice accumulation in the bottom of the outdoor unit.
8. The control circuit between the indoor units, and the outdoor unit shall be 0.5VDC - 7VDC completed using stranded, annealed copper conductor, two-core, 16 AWG, shielded cable to provide total integration of the system.

B. Unit Cabinet:

1. The chassis shall be fabricated of galvanized steel, bonderized and finished with a powder coated baked enamel.

C. Fan:

1. The outdoor unit shall be furnished with one direct drive, variable speed propeller type fan.
2. All fan motors shall be BLDC type.
3. The fan motor shall have inherent protection, have permanently lubricated bearings, and be completely variable speed.
4. The fan motor shall be mounted for quiet operation.
5. The fan shall be provided with a raised guard to prevent contact with moving parts.
6. The outdoor unit shall have horizontal discharge airflow.

D. Refrigerant

1. The condensing unit shall require R410A refrigerant.
2. The condensing unit come charged for system line set lengths up to 25 feet. Additional refrigerant is required if the system line set length is over 25 feet.
3. The condensing unit shall contain a single EEV (electronic expansion valves) with 480 positions each to control refrigerant flow to the indoor unit.

E. Coil:

1. The 9,000, 12,000, and 18,000 Btu/h outdoor coils shall be of nonferrous construction with lanced or corrugated plate fins on copper tubing.
2. The 24,000 Btu/h outdoor coil shall be flat fin, aluminum, micro channel. The flat fin, aluminum, micro channel condenser coil showed no unusual signs of corrosion development to 960 hours (ASTM G85 Annex A3).
3. Aluminum coil fins shall be coated with a hydrophilic/protective coating to reduce corrosion and promote moisture shedding. The aluminum fin with copper tub coils showed no unusual signs of corrosion development to 2,000 hours (ASTM-B117).
4. The coil shall be protected with an integral guard.

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5. Refrigerant flow from the outdoor unit shall be controlled by means of a capacity modulation capable, inverter driven, twin BLDC rotary compressor.

F. Compressor:

1. The compressor shall be an inverter driven, DC voltage, BLDC rotary compressor made by Samsung.
2. Crankcase heating shall be factory mounted in/on the compressor.
3. The outdoor unit compressor shall have a variable modulation technology to modulate capacity. The capacity shall be completely variable as noted in the table below:

Model	Cooling Capacity Range (Btu/h)*	Heating Capacity Range (Btu/h)*
AR09KSW SJWKXCV	3,378 – 10,918	3,378 – 17,742
AR12KSW SJWKXCV	3,378 – 13,648	3,378 – 20,472
AR18KSW SJWKXCV	5,459 – 23,884	4,094 – 27,296
AR24KSW SJWKXCV	8,871 – 31,732	7,506 – 39,238

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 43°F.

4. The compressor shall be equipped with an internal thermal overload.
5. The compressor shall be mounted to avoid the transmission of vibration.

G. Electrical:

1. The outdoor unit electrical power shall be 208/230 volts, 1 phase, 60 hertz.
2. The unit shall be capable of satisfactory operation within voltage limitations of 187-228 volts (208V/60Hz) or 207-253 volts (230V/60Hz).
3. The outdoor unit shall be controlled by integral microprocessors.
4. The control circuit between the indoor units and the outdoor unit shall be 0.5VDC - 7VDC completed using stranded, annealed copper conductor, 16 AWG, shielded, two-core cable to provide total integration of the system.
5. The outdoor unit shall provide power to the indoor unit with 14 AWG X 3 power wire (2 X high voltage wires, 1 X ground). The power wire shall be run from the condensing unit to indoor unit.

3.02 AR**KSW SJWKN (WALL-MOUNTED) INDOOR UNIT

A. General:

1. The indoor unit shall be wall-mounted type with a slim silhouette. The indoor unit shall ship with a wireless controller as standard.

B. Indoor Unit

1. The indoor unit shall be factory assembled, wired and run tested. Contained within the unit shall be all factory wiring, piping, control circuit board and fan motor.
2. An electronic modulating linear expansion valves is located inside the condensing

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unit for refrigerant control.

3. The unit shall have a self-diagnostic function, 3-minute time delay mechanism, and an auto restart function.
4. The system shall have a "Smart Install" operation mode to ensure system readiness after installation.
5. Indoor unit and refrigerant pipes shall be charged with dehydrated nitrogen gas before shipment from the factory.
6. The indoor unit shall have a 2-step cooling function that will run in turbo-mode initially then reduce capacity and operate in Dry mode once set point has been reached.
7. The indoor unit shall have a fast comfort option to operate the system at a fixed, high capacity for thirty (30) minutes enabled with the wireless controller.
8. The indoor unit shall have a night time sleep mode to reduce system noise and provide optimal sleep conditions enabled with the wireless controller.
9. The indoor unit shall have a single-user function enabled with the wireless controller to reduce the maximum system capacity during mild conditions.
10. The indoor unit shall have a single event, ON/OFF timer setting enabled at the wireless controller.
11. The indoor unit high voltage terminals shall have a thermal fuse to prevent overheating due to loose connections of damaged components.

C. Unit Cabinet:

1. The casing shall be UL94 V0 with a gloss white finish.
2. Multi directional drain and refrigerant piping offering four (4) directions for refrigerant piping and four (4) directions for draining shall be standard.
3. Drain hose shall be on the right-hand side of the drain pan (when facing the front) as standard with optional left-hand side connection.
4. There shall be a separate galvanized steel mounting plate which secures the unit firmly to the wall.
5. The indoor unit shall have easy-access pipe and drain connections via access panel on front of unit for easier installation and service allowing maintenance without pulling the unit out from the wall thus preventing property damage.
6. Two digit, 7-segment display on front of unit, behind louver, shall provide unit operation, temperature, and error status.

D. Fan:

1. The indoor fan assembly shall be a cross-flow fan direct driven by a single motor.
2. The indoor fan shall be statically and dynamically balanced to run on a motor with permanently lubricated bearings.
3. A manual adjustable guide vane shall provide the ability to change the airflow from side to side (left to right).
4. A motorized air sweep louver shall provide an automatic change in airflow by directing the air up and down to provide uniform air distribution.
5. The motorized supply air louver shall be hinged from the top reducing restriction and air noise.

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6. The indoor unit cabinet shall have a triangular shape allowing for a larger fan and supply air outlet providing superior air throw at lower sound levels.
7. The indoor fan shall consist of various speeds, as indicated in below table.

Model Number	Fan Speed Setting
AR09KSWSJWKNCV AR12KSWSJWKNCV AR18KSWSJWKNCV AR24KSWSJWKNCV	(UL) - Low – Mid – High - Turbo

E. Filter:

1. Return air shall be filtered by means of an easily removable, electro-static, washable filter.
2. The indoor unit air filter shall be on top of the unit and accessible without opening a panel or door providing simple access for the end-user.

F. Coil:

1. The indoor coil shall be of nonferrous construction with Slit fins on copper tubing.
2. The tubing shall have inner grooves for high efficiency heat exchange.
3. Aluminum coil fins shall be coated with a hydrophilic/protective coating to reduce corrosion and promote moisture shedding.
4. All tube joints shall be brazed with phos-copper or silver alloy.
5. The coils shall be pressure tested at the factory.
6. A condensate pan and drain shall be provided under the coil.
7. Both refrigerant lines to the indoor unit shall be insulated.

G. Electrical:

1. The unit electrical power shall be 208/230 volts, 1-phase, 60 hertz supplied from the condensing unit.
2. The system shall be capable of satisfactory operation within voltage limits of 187-228 volts (208V/60Hz) or 207-253 volts (230V/60Hz)
3. The indoor unit PCB contains a time-lag fuse.
4. The control circuit between the indoor units, and the outdoor unit shall be 0.5VDC - 7VDC completed using stranded, annealed copper conductor, two-core, 16 AWG, shielded cable to provide total integration of the system.

H. Standard Controls:

1. Wireless Controller
 - a) The indoor unit shall include a wireless controller as standard.
 - b) Function: The wireless controller shall control the following operations: On/Off, Operation Mode (auto, cool, heat, dry, and fan), temperature set point, "Fast Comfort" mode, "Single User" mode, fan speed setting, ON/OFF timer, and other settings noted in the table below.

Simple Wireless Remote Controller	
Item	Description

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Simple Wireless Remote Controller	
Item	Description
ON/OFF	Run and stop operation
ON/OFF Timer	<ul style="list-style-type: none"> • Single event ON/OFF timer • Setting range: 0 ~ 24 hours
Operation Mode	<ul style="list-style-type: none"> • Switches between Auto/Cool/Dry/Fan/Heat • "Single User" mode • "Fast Comfort" mode
Temperature Setting	<ul style="list-style-type: none"> • Sets the temperature for a single unit. • Range of temperature setting in 1⁰F increments: • Auto/Cool/Dry: 65°F-86°F • Heat: 61°F-86°F
Fan Speed Setting	<ul style="list-style-type: none"> • Models with 3 air flow speed settings: • High/Mid/Low/Auto
Option Code Editing	Allows user/installer to modify operation option codes and system settings

2. Wi-Fi Control:

- a) The indoor unit shall have Wi-Fi connection capability as standard.
- b) The integral Wi-Fi adapter shall allow control of system on a local network via Wi-Fi or through the internet when outside of home/office with Samsung's "Smart Home" app (available in Android and Apple app stores).

(1) Control Features

- (a) The Wi-Fi adapter shall provide basic control and monitoring of: power, mode, set temperature, room temperature, fan speed, and louver swing.
- (b) The Wi-Fi adapter shall provide timer ON and OFF feature allowing scheduling of power ON and power OFF events on specific days at specific times.
- (c) The Wi-Fi adapter shall provide the ability to configure and store common control settings ("My Wind" function) allowing the user to save common air conditioner control configurations for quick and easy system operation (mode, set temperature, fan speed, and louver swing).
- (d) The Wi-Fi adapter shall provide an air filter reminder option that will display hours of fan operation since last filter reminder reset.
- (e) The Wi-Fi adapter shall provide an optional filter reminder with four reminder intervals (180, 300, 500, and 700 hours of fan operation).
- (f) The Wi-Fi adapter shall provide error notifications.

(2) Specifications

- (a) Samsung's "Smart Home" app can monitor and control an unlimited quantity indoor units.
- (b) A network with Wi-Fi connectivity is required to use the Wi-Fi adapter. Wi-Fi-direct control is not possible.
- (c) Use is based on acceptance of manufacturer's terms and conditions when creating user profile and registering devices.
- (d) Wired and wireless controllers can be used in conjunction with the Wi-Fi adapter.

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3.03 OPTIONAL ACCESSORIES

A. AR-WRP Premium wired controller kit

1. AR-WRP kit shall consist of MWR-WE10 wired controller, DB93-11405A wire harness, and DB93-11412A sub-PCB.
2. MWR-WE10 connection: Can control up to 16 Samsung indoor units (defined and controlled as one group). Sub-PCB shall install inside the indoor unit.
3. Controller dimensions: 4 5/8" x 4 7/8" in size and white in color
4. Easy indoor unit control
 - a) Indoor unit operation ON/OFF
 - b) Indoor unit operation mode, set temperature, air flow direction, fan speed
 - c) Quiet and sleep modes
 - d) Error display
 - e) Filter replacement alarm display and reset
 - f) Single indoor unit control or multiple unit control (maximum 16 units)
 - g) Upper/lower temperature setting
 - h) Automatic operation stop function
 - i) Daily/weekly operating schedule setting

Premium Wired Controller			
Item	Description	Operation	Display
ON/OFF	Run and stop operation for a single group	Each Group	Each Group
Operation Mode	Switches between Auto/Cool/Dry/ Fan/Heat	Each Group	Each Group
Temperature Setting	<ul style="list-style-type: none"> • Set the temperature for a single group. • Range of temperature setting <ul style="list-style-type: none"> ○ Auto/Cool/Dry: 65°F-86°F ○ Heat: 61°F-86°F 	Each Group	Each Group
Fan Speed Setting	Models with 3 air flow speed settings: High /Mid/Low/Auto	Each Group	Each Group
Air Flow Direction Setting	<ul style="list-style-type: none"> • Air flow 2-step direction (Swing/Stop) • Direct setting at a specific angle. • Air flow operation varies depending on the model. 	Each Group	Each Group
Weekly Schedule	<ul style="list-style-type: none"> • ON/OFF, temperature, fan speed, and mode settings can be specified • Maximum 6 schedules may be set for each day. • Real-time clock function: current time, day display function 	Each Group	Each Group
Button lock	<ul style="list-style-type: none"> • Button permission level setting (On/Off / Temperature setting / Mode button / Fan speed) • Temperature limit setting • After power reset, setting value is restored • Various restriction capabilities 	Each Group	Each Group
Specified Function	<ul style="list-style-type: none"> • Automatic stop setting • Setting time range : 0-12 hours 	Each Group	Each Group
Service Mode	<ul style="list-style-type: none"> • Setting/Viewing indoor unit option code • Viewing indoor unit RMC address 	Each Group	Each Group

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Premium Wired Controller			
Item	Description	Operation	Display
	<ul style="list-style-type: none"> • Viewing indoor unit cycle data • Setting/Viewing temperature sensor compensation of the wired remote controller(-9°~ +9°) • Viewing the RPM compensation • Viewing the filter time (1,000 hours or 2,000 hours) • Viewing indoor unit temperature sensor compensation under Heating (+2 or +5°) • Viewing the H/W option setting • Viewing the wired remote controller software version 		
Error	When an error is currently occurring on an air conditioner unit, the afflicted unit and the error code are displayed	Each Group	Each Group
Permit / Prohibit Local Operation	Setting/releasing of simplified locking for remote control buttons can be performed	Each Group	N/A
Quiet Mode	Select the Quiet mode to run the indoor unit to the set mode to lower the fan noise level.	Each Group	N/A
Room Temperature	Actual room temperature display (or set temperature display)	Each Group	Each Group

5. Other Premium Controller features

- a) Different button permission levels
- b) Partial button lock option (on/off, selection, temperature setting, fan speed, and schedule setting buttons can be locked individually)
- c) Backlight
- d) Daylight savings clock advance option
- e) Temperature limit setting option
- f) Real-time clock function; current time/day display function
- g) Built-in room temperature sensor
- h) Indoor unit operation state display
- i) Service mode support (indoor unit cycle data monitoring, option code monitoring and setting, and dip switch state monitoring)
- j) Specifications
- k) wire connection
- l) DC 12V (V1/V2) power supplied by indoor unit
- m) RS485 communication (F3/F4)
- n) Can sense temperature via internal sensor, temperature sensor inside the air handler, or use the average temperature between controller and air indoor unit sensors
- o) The Premium Controller shall require no addressing.
- p) The Premium Controller shall connect using four-wire (2 wires for power supply and the other two for communication), untwisted, shielded. The Premium Controller shall require cross-over wiring for grouping across indoor units.
- q) 16AWG shielded cable is necessary for proper operation

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B. AR-WRS Standard wired controller kit

1. AR-WRS kit shall consist of MWR-WH00 wired controller, DB93-11405A wire harness, and DB93-11412A sub-PCB.
2. Connection: The Standard Controller shall be capable of controlling up to 16 indoor units (defined as 1 group). The sub-PCB shall install inside the indoor unit.
3. Dimensions: 4.8" x 4.7" in size and white in color with a light-white LCD display.
4. Easy indoor unit control
5. Indoor unit operation ON/OFF
6. Indoor unit operation mode, set temperature, air flow direction, fan speed
7. Error display
8. Filter replacement alarm display and reset
9. Single indoor unit control or multiple unit control (maximum 16 units)
10. Upper/lower temperature setting
11. Automatic operation stop function

Standard Wired Controller			
Item	Description	Operation	Display
ON/OFF	Run and stop operation for a single group	Each Group	Each Group
Operation Mode	Switches between Auto/Cool/Dry/Fan/Heat	Each Group	Each Group
Temperature Setting	<ul style="list-style-type: none"> • Sets the temperature for a single group. • Range of temperature setting <ul style="list-style-type: none"> ○ Auto/Cool/Dry: 65°F-86°F ○ Heat: 61°F-86°F 	Each Group	Each Group
Fan Speed Setting	High /Mid/Low/Auto	Each Group	Each Group
Air Flow Direction Setting	<ul style="list-style-type: none"> • Air flow 2-step direction (Swing/Stop) • Direct setting at a specific angle. • Air flow operation varies depending on the model. 	Each Group	Each Group
Button lock	<ul style="list-style-type: none"> • Button permission level setting (On/Off / Temperature setting / Mode button / Fan speed) • Temperature limit setting • After power reset, the setting value is restored 	Each Group	Each Group
Specified Function	<ul style="list-style-type: none"> • Automatic stop setting • Setting time range : 0-12 hours 	Each Group	Each Group
Service Mode	<ul style="list-style-type: none"> • Setting/Viewing indoor unit option code • Viewing indoor unit RMC address • Viewing indoor unit cycle data • Setting/Viewing temperature sensor compensation of the wired remote controller(-9°~ +9°) • Viewing the RPM compensation • Viewing the filter time (1,000 hours or 2,000 hours) • Viewing indoor unit temperature sensor compensation under Heating (+2 or +5°) 	Each Group	Each Group

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Standard Wired Controller			
Item	Description	Operation	Display
	<ul style="list-style-type: none"> • Viewing the H/W option setting 		
Error	When an error is currently occurring on an air conditioner unit, the afflicted unit and the error code are displayed	Each Group	Each Group
Permit / Prohibit Local Operation	Setting/releasing of simplified locking for remote control buttons can be performed	Each Group	N/A
Quiet Mode	Select the Quiet mode to run the indoor unit to the set mode to lower the fan noise level.	Each Group	N/A
Room Temperature	<ul style="list-style-type: none"> • Displays set temperature. • Room temperature is viewable when room temperature button is pressed 	Each Group	Each Group

12. Other Standard Controller features

- a) Different button permission levels
- b) Temperature limit setting option
- c) Built-in room temperature sensor
- d) Indoor unit operation state display
- e) Service mode support (indoor unit cycle data monitoring, option code monitoring and setting, and dip switch state monitoring)

13. Specifications

- a) wire connection
- b) DC 12V (V1/V2) power supplied by indoor unit
- c) RS485 communication (F3/F4)
- d) Can sense temperature via internal sensor, temperature sensor inside the air handler, or use the average temperature between controller and air indoor unit sensors
- e) The Standard Controller shall require no addressing. The Standard Controller shall connect using four-wire (2 wires for power supply and the other two for communication), untwisted, shielded control wire to the connection terminal on the indoor unit. The Standard Controller shall require cross-over wiring for grouping across indoor units.
- f) The Standard Controller wired controller shall include interconnect cable as standard (32').

C. EXTERNAL CONTACT CONTROL – INDIVIDUAL UNIT, ON/OFF CONTROL AND MONITORING (MIM-B14)

1. Function:

- a) Control option to enable/disable and monitor individual indoor units
- b) Direct indoor unit control by external contact, 0 volts OPEN/CLOSE signal
- c) Emergency control with simple contact input
- d) Unoccupied room control with applicable indoor units (DVM S only, not single zone systems).
- e) Supplemental, external heat control output with applicable indoor units (DVM S

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- only, not single zone systems).
- f) Indoor unit operation (thermal or operation)/error state output through relay contacts (5VDC)
- 2. Installation location
 - a) Installs inside/near a single indoor unit
 - b) Required components for connection:
 - (1) DB93-11405A wire harness (included with wired controller kits)
 - (2) DB93-11412A sub-PCB (included with wired controller kits)

D. EXTERNAL ROOM TEMPERATURE SENSOR (MRW-TA)

- 1. Connection:
 - a) The external remote room sensor shall connect to 1 indoor unit.
 - b) The external remote room sensor shall plug directly into PCB of indoor unit with supplied adapter.
- 2. Function:
 - a) The external remote room sensor shall be used to measure the exact room temperature.
 - b) The external remote room sensor shall include a 39 foot connection wire.

E. Wind baffles

- 1. Front wind baffle (WBMF)
 - a) WBMF-9/12/18 wind shield/baffle is compatible with: AR09KSWSJWKXCV, AR12KSWSJWKXCV, AR18KSWSJWKXCV outdoor units.
 - b) WBMF-24/36 wind shield/baffle is compatible with: AR18KSWSJWKXCV outdoor units.
 - c) Designed to be placed on fan discharge side (front).
 - d) Only a front shield is required for applications where the mini split is adjacent to a structure that would protect the intake side from prevailing wind. Applications without this protection would require a back shield (ex: roof top).
 - e) The wind baffle material shall be clear plastic.
- 2. Back wind baffle (WBMB)
 - a) WBMB-9/12/18/36 wind shield/baffle compatible with AR09KSWSJWKXCV, AR12KSWSJWKXCV, AR18KSWSJWKXCV outdoor units.
 - b) WBMB-24 wind shield/baffle is compatible with AR24KSWSJWKXCV outdoor units.
 - c) Designed to be placed on the coil intake side of the unit (back).
 - d) Note: This back shield is only required for applications where the mini split is not adjacent to a structure that would protect the intake side from prevailing wind (ex: roof top).
 - e) The wind baffle material shall be clear plastic.