

## Samsung "Wi-Fi Whisper", wall mounted evaporator, split system

Job Name \_\_\_\_\_  
 Purchaser \_\_\_\_\_  
 Submitted to \_\_\_\_\_  
 Unit Designation \_\_\_\_\_

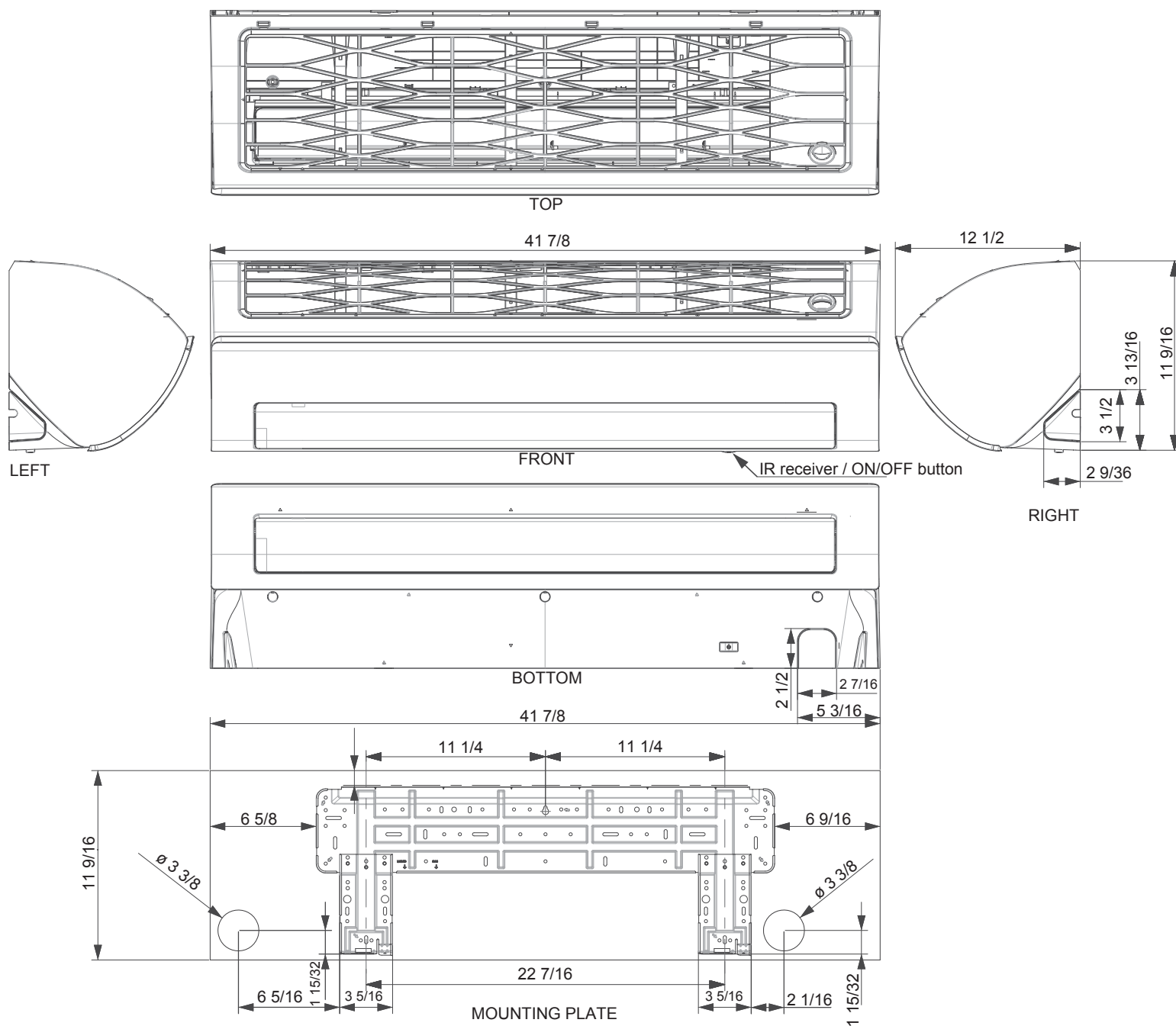
Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Reference \_\_\_\_\_ Approval \_\_\_\_\_ Construction \_\_\_\_\_  
 Schedule # \_\_\_\_\_

## Specifications

Model	System Model Number		AR24HSFSJWK
	Indoor Unit Model Number		AR24HSFSJWKN
	Outdoor Unit Model Number		AR24HSFSJWKX
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	22,000 / 27,000
	Capacity Range	Cooling (Btu/h)	8,871 - 31,732
		Heating (Btu/h)	7,506 - 40,944
	SEER / EER		20.0 / 12.55
	COP		3.68
	HSPF		10.0
Condensate (pints/hour)		6.0	
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Working Voltage Range (VAC)		176 - 254 (max. 3% deviation from each)
	Operating Current (Low/Std./High)	Cooling (A)	3.2 / 8.3 / 14.0
		Heating (A)	2.6 / 11.5 / 19.0
	Maximum Current		17.0 / 19.0
	Max. Breaker	Amps	30
	Min. Circuit Ampacity (A)		18.5
Dimensions	W X H X D (inches)	Indoor Unit	41 7/8 X 11 9/16 X 12 1/2
		Outdoor Unit	34 5/8 X 37 31/32 X 12 5/8
	Weight (lbs.)	Indoor Unit	31
		Outdoor Unit	158
	Condensate Connection		11/16" OD
Heat Exchanger	Indoor & Outdoor Unit	Type	Aluminum Fin - Copper Tube
		FPI	18
		Pipe Diameter	1/4"
	Indoor Unit	Main and Sub coils	2 row / 14 step
		Upper Coil	1 row / 10 step
Outdoor Unit	2 row / 24 step		
Sound Pressure Level	Indoor Unit (dB)	Quiet / High	30 / 44
	Outdoor Unit (dB)	High	54
Operating Temperatures (°F)	Outdoor	Cooling	Standard: 14 ≤ T ≤ 115 0 ≤ T ≤ 115 with wind baffle accessory
		Heating	5 ≤ T ≤ 75
	Indoor	Cooling	61 ≤ T ≤ 90
		Heating	T ≤ 80
	Pipe Connections	Indoor & Outdoor	High side (flare)
Low side (flare)			5/8"
Maximum / Minimum Line Set Length (ft.)		98 / 10	
Maximum Vertical Separation (ft.)		50	
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
	Factory Charge	oz.	81.13
	Charged for		25'
	Additional Refrigerant		0.16 oz./ft. over 25 ft.
Compressor	Manufacturer		Samsung
	Type		DC, Inverter Driven, Rotary
	RLA	A	13.7
	Operating Frequency (Hz)	Cooling (low/std./high)	15 / 41 / 69
		Heating (low/std./high)	15 / 48 / 75
Evaporator Fan	Type	BLDC motor with cross-flow fan (1)	
	Air Volume	CFM (max.)	670
	Consumption	Watts	27
	Operating Current	Amps	0.12
Condenser Fan	Motor	BLDC motor with axial fan (1)	
	Output	Watts	95
	FLA	Amps	0.5
Optional Accessories	Condensate pump		ASP-MO-UNIV 110-250
	Wired Controller	Standard	AR-WRS (includes sub-PCB and MWR-WH00 controller)
		Premium	AR-WRP (includes sub-PCB and MWR-WE10 controller with scheduling)
	Line sets - insulated and flared, interconnect cables included		25' - ILS2509
			50' - ILS5009
	Wall bracket (for outdoor unit)		CKN-250 or CKN-500
	Wind Baffle / Guard	Front	WBMF-24/36
		Back	WBMB-24
Safety	Certifications	ETL & ETLc	
	Devices	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	
Warranty			
10 Years compressor, 10 Year Parts, 90 Day DOA Allowance			

Samsung "Wi-Fi Whisper", wall mounted evaporator, split system  
Indoor unit dimensional drawing

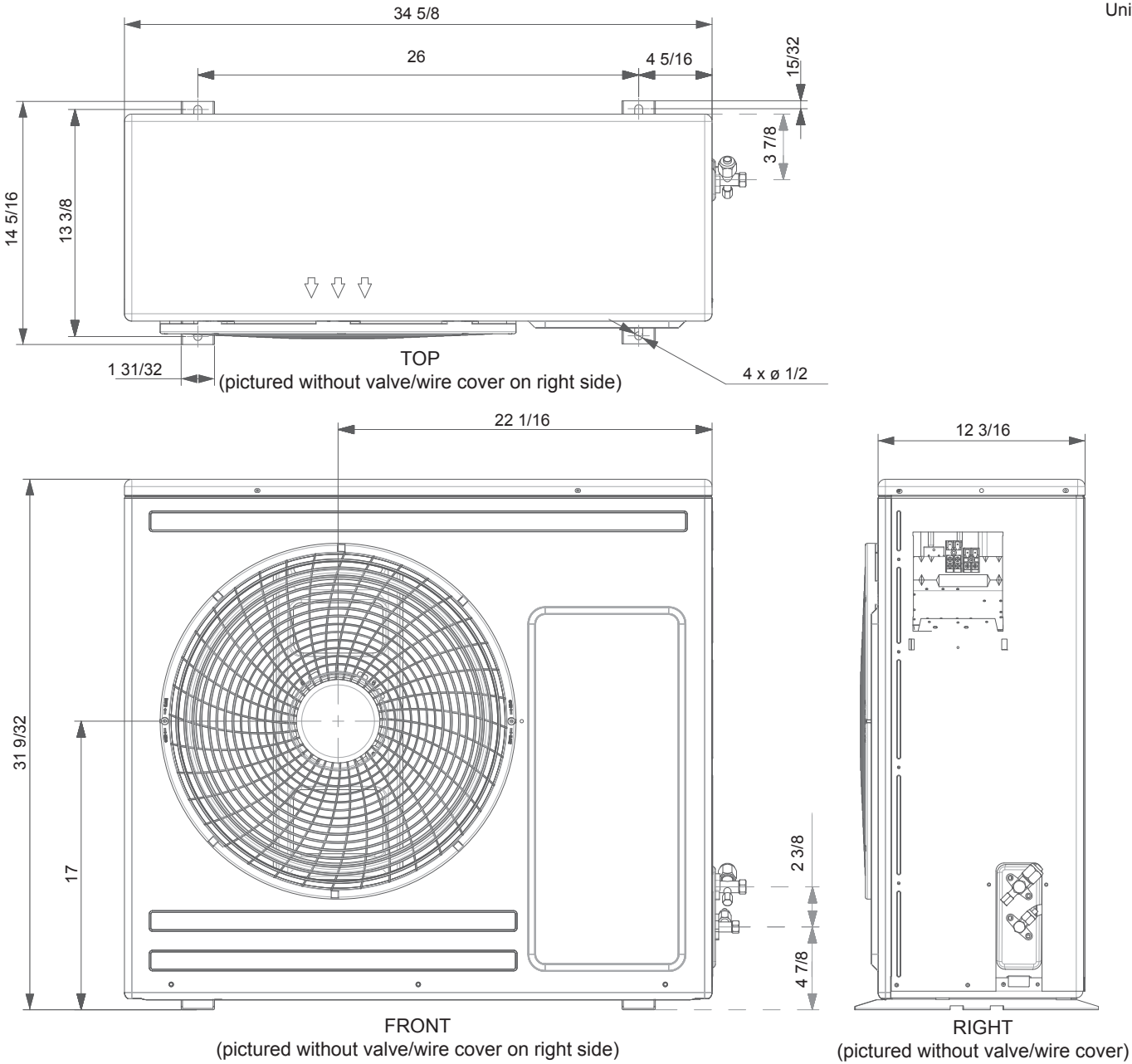
Unit: inches



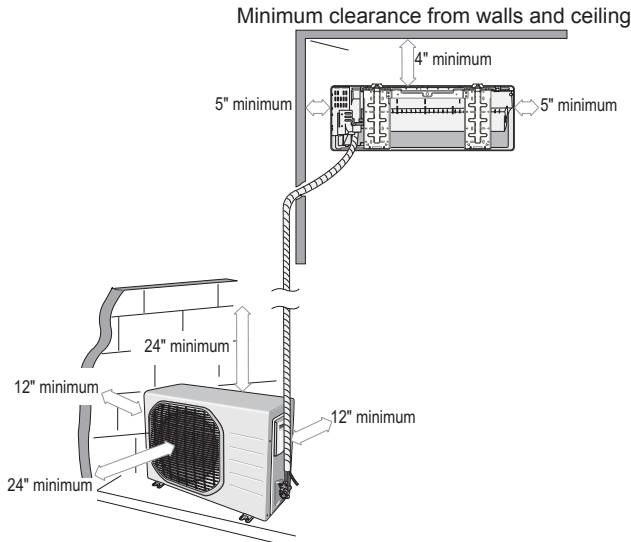


Samsung "Wi-Fi Whisper", wall mounted evaporator, split system  
Outdoor unit dimensional drawing

Unit: inches

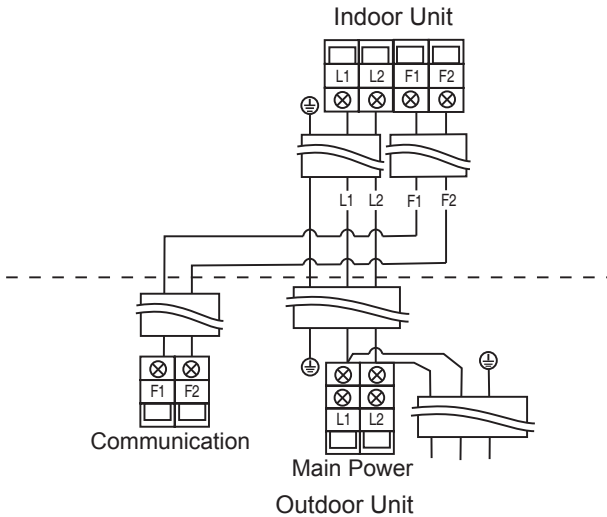


For reference only. Always refer to installation manual for complete details.



Minimum clearance from nearby obstructions  
(See installation manual for full details. Be aware of national, state, and local codes)

Basic power and communication wiring between indoor and outdoor units



## Samsung "Wi-Fi Whisper", wall mounted evaporator, split system Wi-Fi Control Details

### General Wi-Fi Control Information

• Allows control of system on a local network via Wi-Fi or through the internet when outside of home/office with Samsung's "Smart Air Conditioner" app (available in Android and Apple app stores).

### Wi-Fi Control Features

- Basic control and monitoring of: power, mode, set temperature, room temperature, fan speed, and louver swing.
- Timer ON and OFF feature allows scheduling of power ON and power OFF events on specific days at specific times.
- "My Wind" functions allows the user to save common air conditioner control configurations for quick and easy system operation (mode, set temperature, fan speed, and louver swing).
- Air filter reminder option will display hours of fan operation since last filter reminder reset.
- Optional filter reminder with four reminder intervals (180, 300, 500, and 700 hours of fan operation).
- Error notification
- System energy consumption history and adjustable threshold notification viewable with mobile app



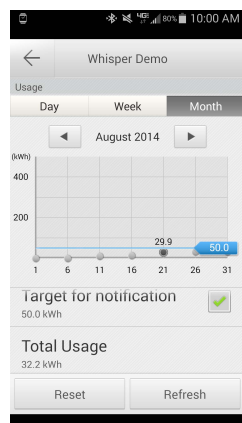
### Wi-Fi Control Specifications

- Samsung's "Smart Air Conditioner" app can monitor and control an unlimited quantity indoor units.
- A network with Wi-Fi connectivity is required to use the Wi-Fi adapter. Wi-Fi-direct control is not possible.
- Users must register each indoor unit at <http://www.samsungsmartappliance.com> to setup control.
- Use is based on acceptance of Samsung's Smart Appliance terms and conditions when creating user profile and registering devices.

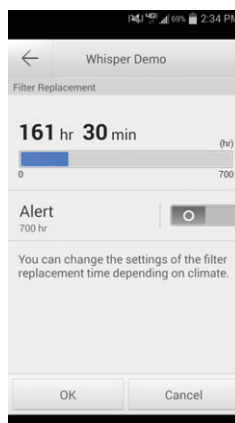
### Samsung "Smart Air Conditioner" App Examples



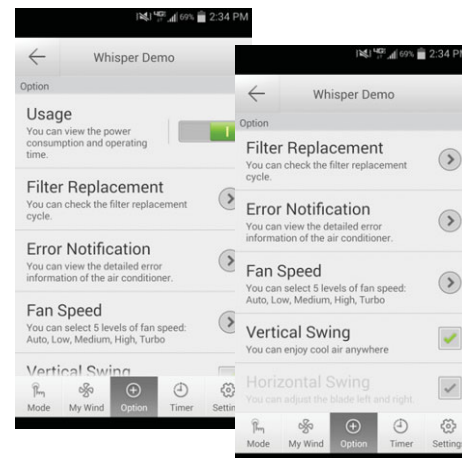
Main control page



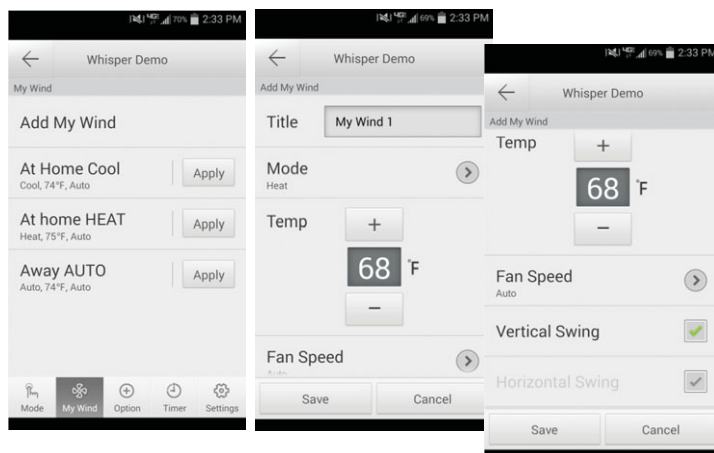
Energy usage page



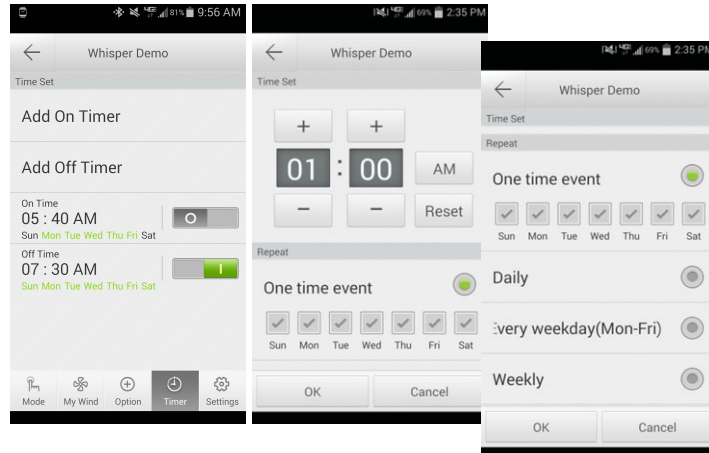
Filter reminder setting page



Options page



"My Wind" settings page



Timer setting page example