SAMSUNG

Samsung Advanced Wired Remote Controller

Job Name _____

Purchaser _____

Submitted to _____

Unit Designation _____

Location _____

Engineer _____

Reference   Approval   Construction

Schedule # _____

Features

Easy indoor unit control [1]
- Air handler operation ON/OFF
- Air handler operation mode, set temperature, air flow direction, fan speed
- Discharge air temperature setting (with supported indoor unit models)
- Filter replacement alarm display and reset
- Single indoor unit control or multiple unit control (maximum 16 units)
- Time synchronization with DMS2.5 gateways
- Dual Set Temperature (indoor unit firmware upgrade may be required [2])
- Advanced HP auto changeover control and configuration (indoor unit firmware upgrade may be required [2])
- Quiet and sleep modes
- Error display (up to 10 error codes with descriptions)

Energy saving operation [1]
- Upper/lower temperature restriction setting
- Occupied/unoccupied settings
- Setback function
- Energy saving operation mode
- Energy consumption monitoring and daily, weekly, monthly, and yearly energy consumption trending (for supported systems)
- Maximum current control for DVM S 3Ø outdoor units (AM****XV****AA)

Weekly operating schedule setting
- Weekly operating schedule
- Able to set desired A/C operation mode, setting temperature and fan speed to operate based on weekly schedules
- Able to apply schedule exception day

Other features [1]
- Different button permission levels
- Supports multiple languages (English, Spanish, French, Portuguese)
- Partial button lock options (operation on/off, heat mode, cool mode, fan mode, dry mode, auto mode, set temperature, fan speed, scheduling, Wind-Free, Long-wind, quiet mode, and sleep mode buttons can be locked individually).
- Daylight savings clock advance option
- Temperature limit setting option
- Real-time clock function
- Built-in IR receiver for indoor unit control using a wireless controller and integral room temperature sensor
- Indoor unit operation state display
- Indoor unit service mode support
- Micro SD card slot for simple firmware updating
- Independent louver control for DVM S Series 4-way cassette (AM0***N4DCH/AA) and mini 4-way cassette (AM0***NNDCH/AA) models.
- Airflow direction control for 360 Cassette (AM0**KN4DCH/AA) indoor units. 360 Cassette units manufactured before 7/1/2016 will require a firmware update to use MWR-WG00UN. Contact Samsung HVAC technical support to obtain the firmware upgrade files. Firmware updating can be done using MIM-C02N communication converter/service tool.
- Adjustable heating temperature compensation values
- Wind-Free™ Control (applies to AM0**NN4DCH/AA, AM0**RN4DCH/AA, AM0**NNNDCH/AA, AM0**NN1DCH/AA , and AC0**NN4DCH/AA when using the Wind-Free™ fascia panel)
- MDS (Motion Detection Sensor) Indirect/ Direct Control (applies to AM0***N4DCH/AA, AM0***NNDCH/AA, and AC0**NN4DCH/AA. MDS sold separately).
- Long Reach Function (for applicable indoor unit models)
- Automatic air volume enable and status viewing (for Duct S models AM0**MNMDCH/AA, AM0**MNHDCH/AA, AM0**RNMDCH/AA, and AC0**MNHDCH/AA).
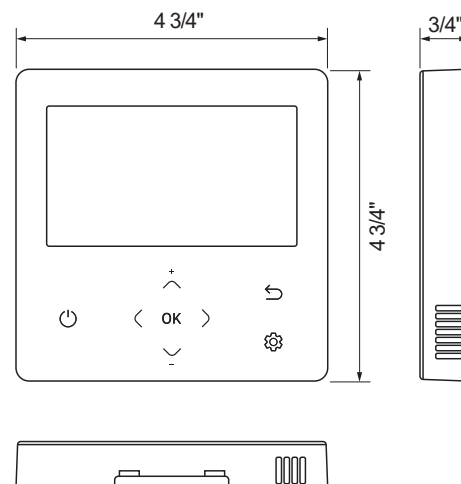
[1] Some features may not be available depending on the model of connected air handler(s)

[2] Firmware upgrade may be required for certain features. Refer to supporting technical bulletins at www.SamsungHVAC.com/downloads

Specifications*
- Compatible with Samsung DVM S Systems (AM**********AA, MCM-D211UN), and DVM Chiller FCU Kits (MIM-F00N), single zone wall-mounted systems (AR**TSF*BWKNCV), and single zone cassette, wall-mounted, and ducted systems (AC0***N****/AA)

- Can connect and control up to 16 indoor units on a single system or across multiple systems

- 2 Conductor connection

- DC 12V power supplied by indoor unit (consumption: 2W)

- PLC (power line communication) is done on F3/F4 terminals.

- Can sense temperature via internal sensor, temperature sensor inside indoor unit, or use the average temperature between controller and air handler temperature sensors
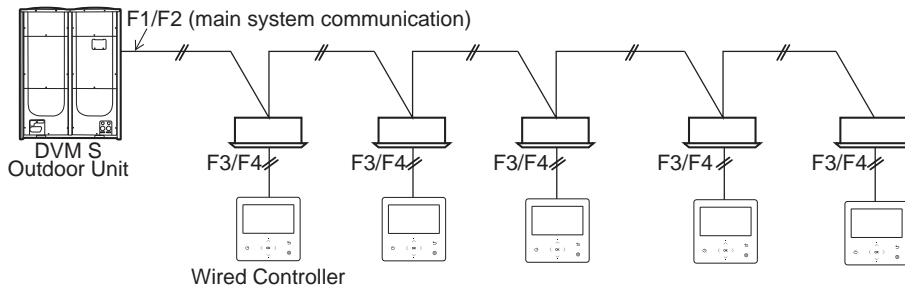
4 3/4"   3/4"

4 3/4"

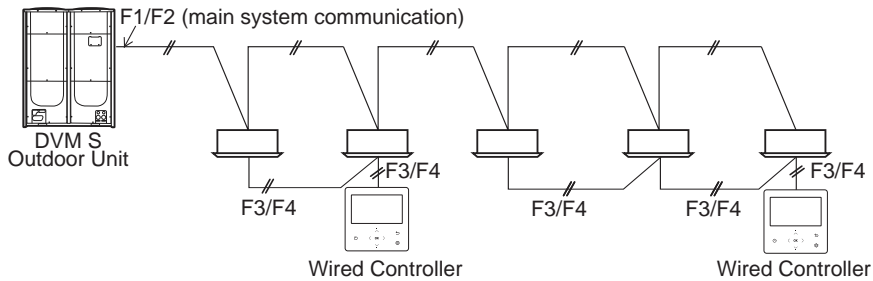www.SamsungHVAC.com

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SUBMITTAL MWR-WG00UN
Samsung Standard Wired Controller
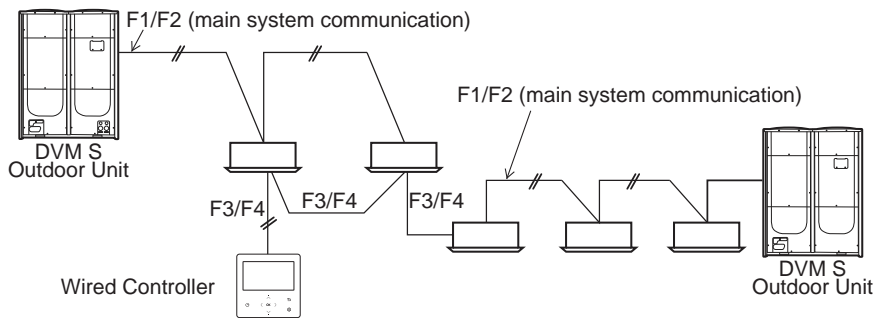Common Controller Configurations/Options

Individual control - 1 indoor unit with 1 wired control
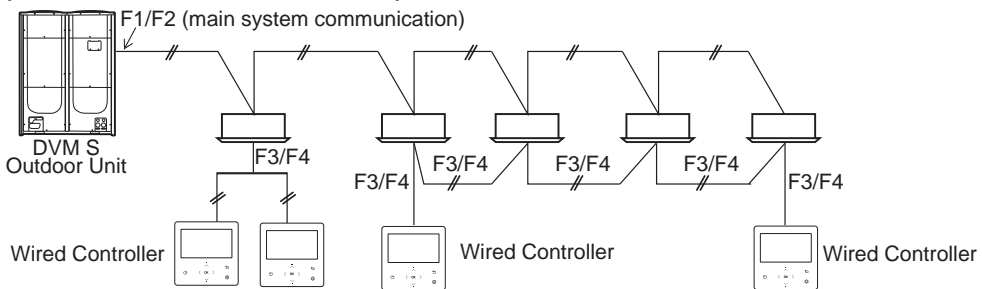

Group control - up to 16 indoor units on 1 wired controller
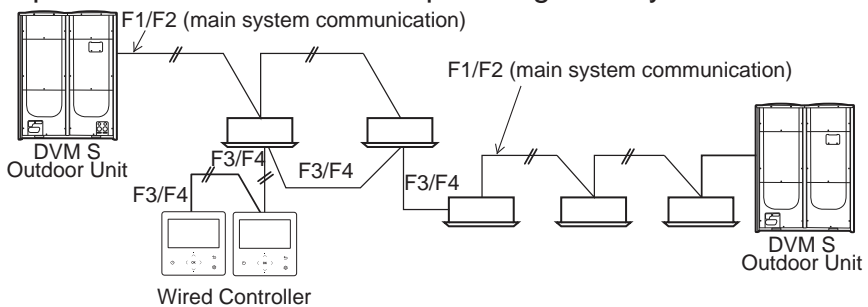

Group control - up to 16 indoor units on 1 wired controller on multiple refrigerant systems

Group control - control 1 or multiple indoor units with 2 wired controllers

Group control - up to 16 indoor units on multiple refrigerant systems with 2 wired controllers