

SAMSUNG

Submittal Data

MWR-SH12UN

Simple Touch Wired Controller

Job name: _____

Purchaser: _____

Submitted to: _____

Unit designation: _____

Location: _____

Engineer: _____

Reference ☐ Approval ☐ Construction ☐

Schedule #: _____

Features**

- Internal temperature sensor
- Backlight
- Built-in infrared receiver to allow control of indoor unit wirelessly with a wireless controller
- Indoor unit operation ON/OFF, operation mode, set temperature, louver position (cassette, ceiling, wall units), WindFree™*, long reach, and fan speed settings
- Error display
- Filter replacement alarm display and reset
- All button lock (option)
- Partial controller button lock (ON/OFF, temperature setting, fan speed, timer function, louver swing, sleep function, quiet function, outing function, and operation mode buttons)
- Upper and lower temperature setting restriction
- Heat, cool, dry, fan, and auto mode skip options (skips specified mode on wired controller)
- Restrict wireless controller signal (optional)
- Single event timer function (ON/OFF control, 30 minutes – 24 hours timer setting options)
- System/indoor unit function and operation indication (defrost, error, restricted controller, central control, and PM filter status)
- Service mode for connected indoor unit operation monitoring, addressing, and setup
- Can be used to specify "Mode Master" while connected to a single indoor unit when used with heat pump systems to control system mode (heating or cooling)
- Outing function to keep a minimum heating (61~72°F) and cooling (77~86°F) temperature while you are away. When Outing mode is activated, the unit will operate at the specified Outing temperature. If indoor temperature is 9°F different from desired Outing temperature, the indoor unit will turn on. If indoor temperature is the same as desired Outing temperature, the indoor unit will turn off automatically. This is repeated depending on indoor temperature for 12 hours. After 12 hours, Outing mode is released/canceled.
- Supports enabling indoor unit AP mode for connecting integral indoor unit Wi-Fi adapter to SmartThings, and turning indoor unit Wi-Fi connection ON/OFF, indoor unit Wi-Fi information reset, and Wi-Fi adapter reset.



Specifications

- Compatible with DVM S Systems (AM*****AA, MCM-D211UN), DVM Chiller FCU Kits (MIM-F00N), single zone high-wall RAC systems (AR*****NCV), multi-zone FJM indoor units (AJ0***N*****AA), and single zone CAC indoor units (AC0***N*****AA).
- Group control - Can connect and control up to 16 X R410A indoor units on a single system or across multiple systems. Group control is not supported for R32 systems. Refer to indoor unit installation manual for wiring and connection details.
- 2 Conductor connection
- DC 12V power supplied by indoor unit
- PLC (power line communication) is done on F3/F4 terminals.
- Refer to indoor unit installation manual for wiring and connection details.
- Can sense temperature via internal sensor, temperature sensor inside indoor unit, or use the average temperature between controller and air handler temperature sensors
- Maximum wire length: 328' from controller to farthest indoor unit.
- Dimensions (W X H X D): 3 11/16" X 4 13/16" X 3/4"

*The WindFree™ unit delivers an air current that is under 0.15 m/s while in WindFree™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers).

** Some features may not be available depending on the indoor unit model. Firmware upgrades may be required for certain features. Refer to supporting technical documents at www.SamsungHVAC.com.