

Job Name _____

Purchaser _____

Submitted to _____

Unit Designation _____

Location _____

Engineer _____

Reference _____

Schedule # _____

Approval _____

Construction _____

AR-WRP2 wired controller kit consists of DB93-11412A sub PCB, crimp wire connectors (4), wire harness (DB93-11405A), and MWR-WE13U wired controller (details on page 2).

- Compatible models:
 - Whisper (AR***S***WK) indoor units
 - Pearl (AR***S***K) indoor units
 - Wind Free (AR***SWXCWK) indoor units
 - Quantum (AR**KSFPDWQ) indoor units
 - FJM Whisper (AJ0**JNADCH) indoor units

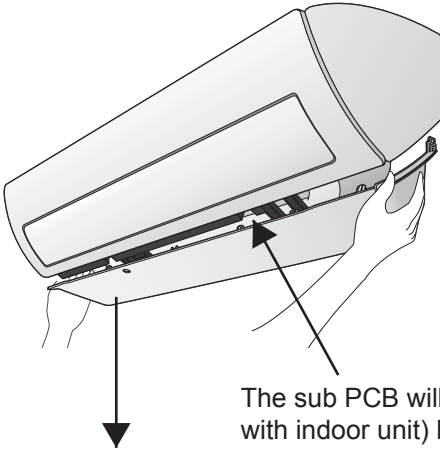
Wired controller sub PCB specifications (DB93-11412A)

- Installs in a single indoor unit
- Required to connect and control an indoor unit with wired controller models: MWR-WH00, MWR-WH00U, MWR-WH02, MWR-WE10, MWR-WE13, or MWR-WE13U
- Provides 12V DC to Samsung wired controllers
- Required when using MIM-B14 External Contact Control Module for simple ON/OFF control and operation/error output

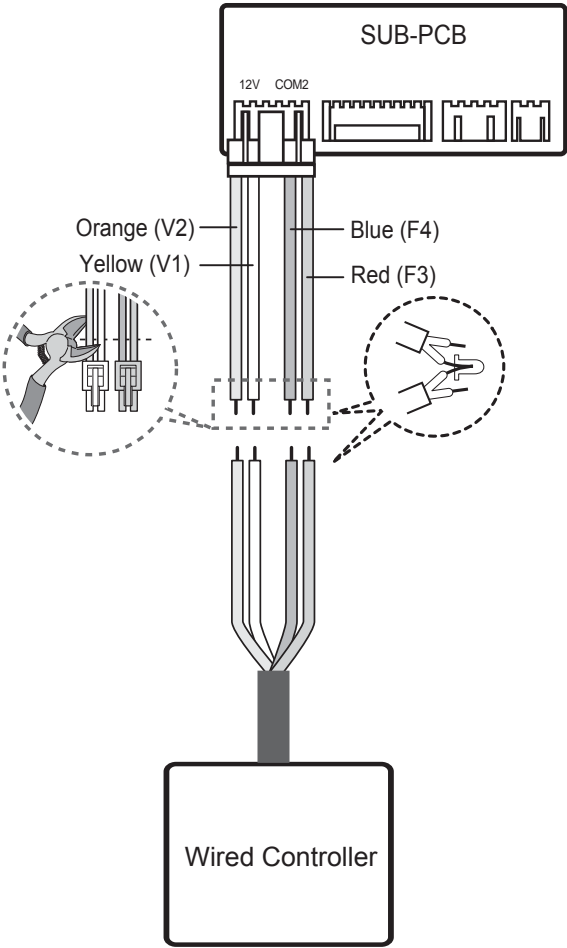
MWR-WE13U wired controller



Sub PCB installation location



The sub PCB will install in tray (supplied with indoor unit) behind service access panel
**Installation location in Quantum models is behind front panel*



Features*

Easy indoor unit control

- 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)
- Quiet and sleep modes
- Error display
- Filter replacement alarm display and reset
- Single indoor unit control or multiple unit control (maximum 16 units)

Energy saving operation

- Upper/lower temperature setting
- Automatic operation stop function to turn off connected unit(s) if controller is not touched for specified amount of time (1 - 12 hours).
- Energy saving operation mode

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

- Different button permission levels
- Partial button lock option (on/off, selection, temperature setting, fan speed, and schedule setting buttons can be locked individually)
- Backlight
- Daylight savings clock advance option
- Temperature limit setting option
- Real-time clock function; current time/day display function
- Built-in room sensor
- Display set temperature or room temperature
- Indoor unit operation state display
- Service mode support (indoor unit cycle data monitoring, option code monitoring and setting, and dip switch state monitoring)
- Independent louver control for FJM Series Mini 4-way cassette (AJ0***NDCH/AA) models
- Adjustable heating temperature compensation values
- Child lock
- Wind-Free™ Control (only applies to AJ0**NBNDCH/AA when using the Wind-Free™ fascia panel)
- MDS (Motion Detection Sensor) Indirect/ Direct Control (applies to AJ0**NBNDCH/AA models when using the Wind-Free fascia panel and with MDS model MCR-SMD installed)
- Long Reach Function (only applies to AJ0**NBNDCH/AA when using the Wind-Free™ fascia panel)

Specifications

- Compatible with Samsung units using non-NASA communication protocol
- Can connect and control up to 16 indoor units
- 12VDC power supplied by indoor unit
- 4 conductor connection (power: V1-V2, communication: F3-F4)
- Can sense temperature via internal sensor, temperature sensor inside indoor unit, or use the average temperature between controller and air handler temperature sensors
- MWR-WE13U has screw terminals for all wiring connections, wire is not included
- 16 AWG shielded cable for communication is necessary for proper operation

*Some features may not be available depending on the model of connected air handler(s)

