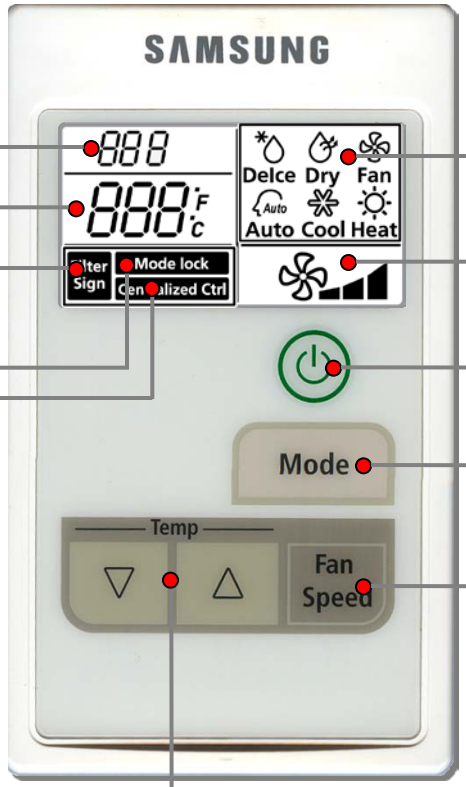
Wired remote controller

MWR-SH00

Wired remote controller – MWR-SH00

- Display and buttons



1
- Tracking/Error state display

2
- Set Temperature display (Celsius and Fahrenheit)

3
- Filter replacement alarm

4
- Operation mode lock display

5
- Remote control restriction

6
- Operation mode display

7
- Fan speed display

8
- Operation On/Off button

9
- Operation mode selection
- Operation mode lock

10
- Fan speed setting
- Operation mode lock

11
- Temperature setting
- Filter replacement reset

Wired remote controller – MWR-SH00

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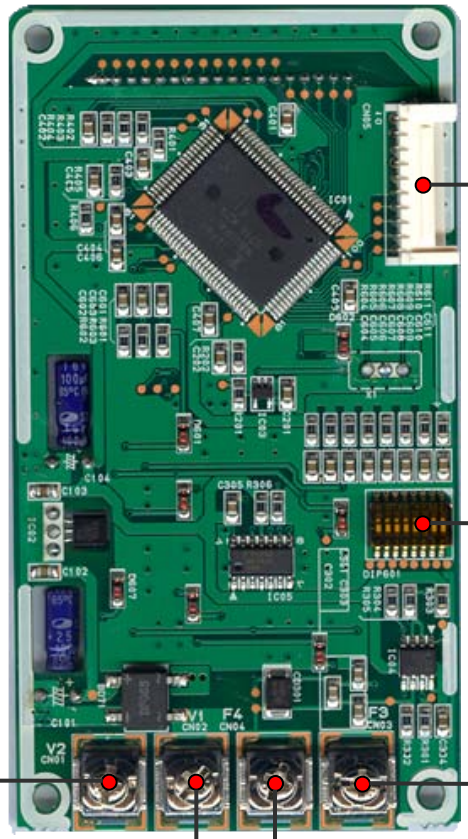
- Switches and connectors



3
- Software upgrade connector

4
- Option setting switch

5
- Communication F3

6
- Communication F4

1
- Power supply 0VDC

2
- Power supply 12VDC

Wired remote controller – MWR-SH00

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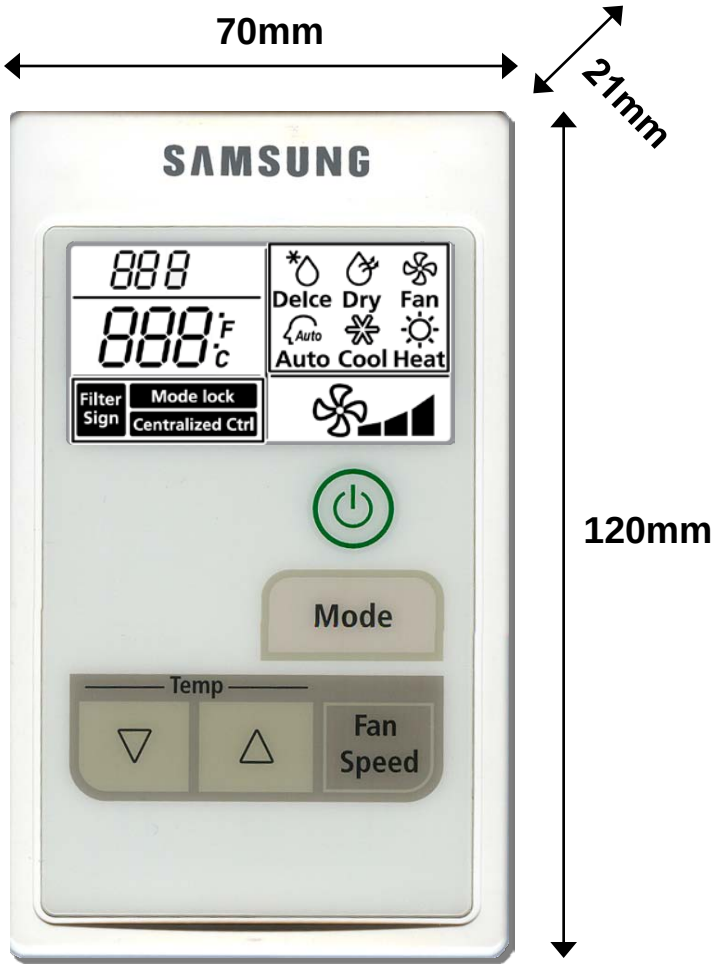
- Dimensions



Wired remote controller – MWR-SH00

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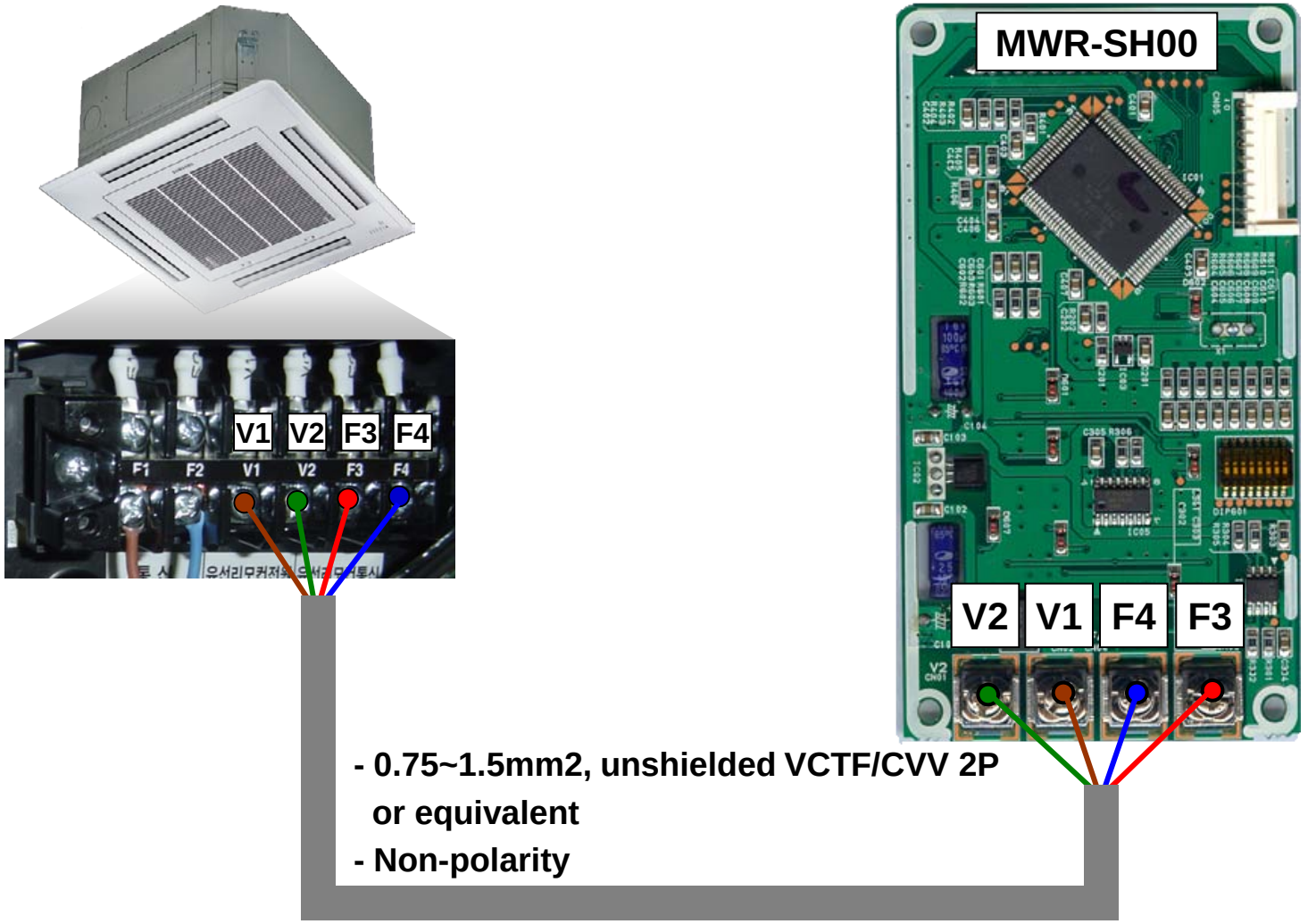
- Connection to single indoor unit (2way, 4way, mini 4way, duct, Ceiling)



Wired remote controller – MWR-SH00

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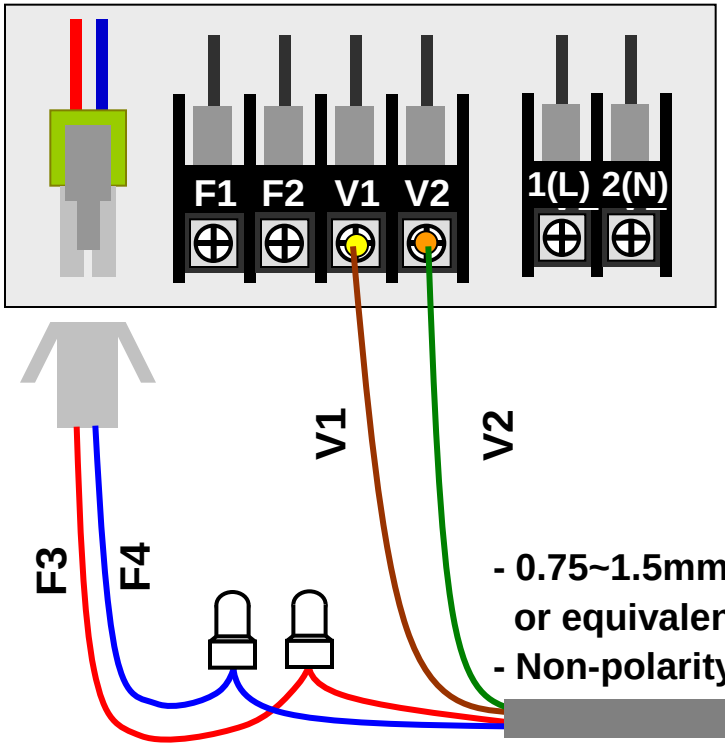
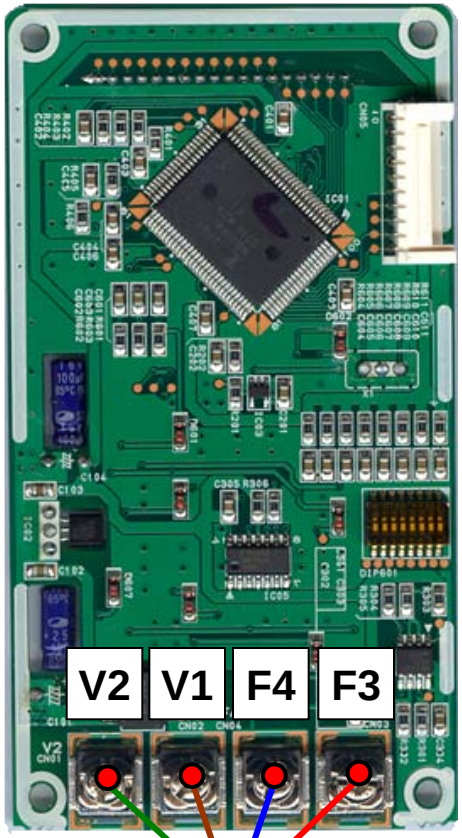
- Connection to single indoor unit (slim 1way)



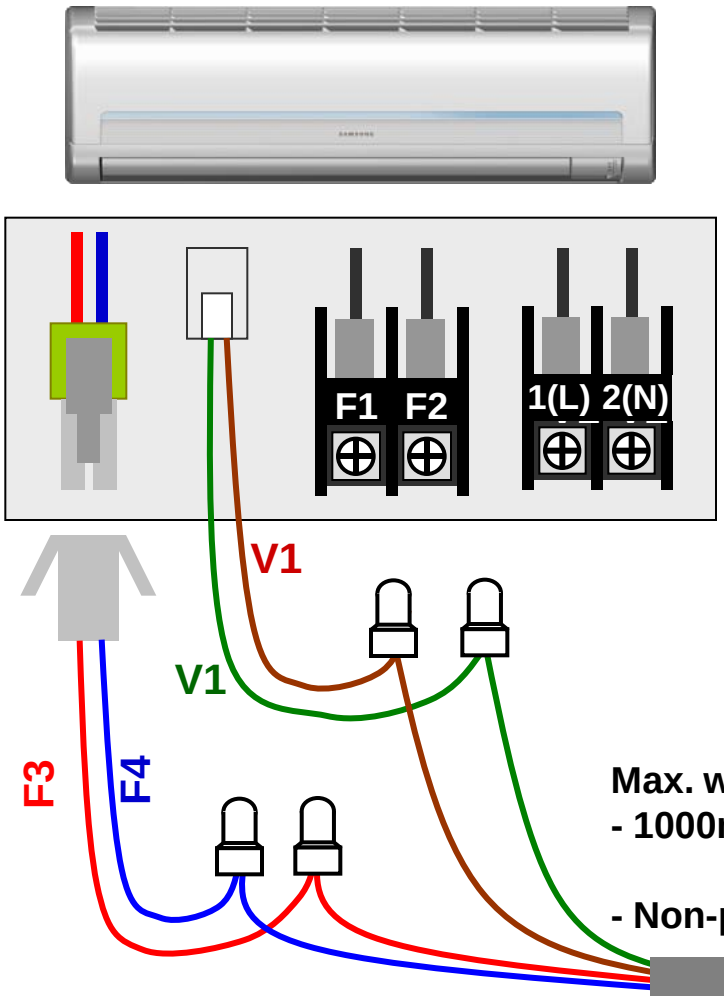
MWR-SH00



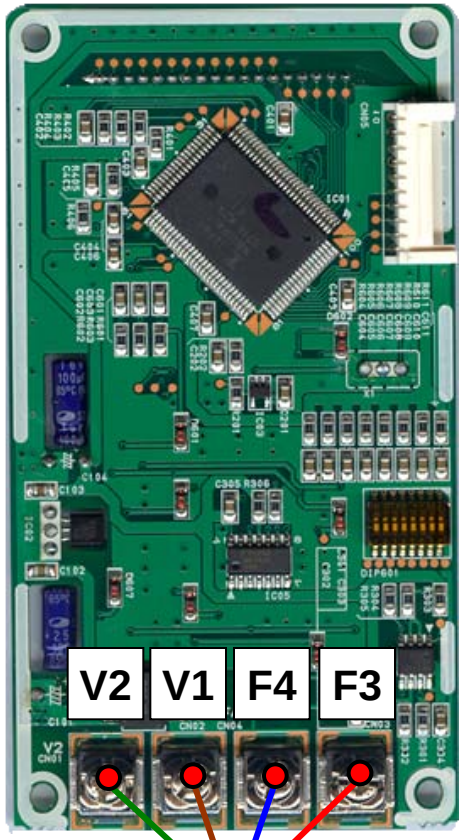
- 0.75~1.5mm2, unshielded VCTF/CVV 2P or equivalent
- Non-polarity

Wired remote controller – MWR-SH00

- Connection to single indoor unit (RAC, Console)



MWR-SH00



Max. wiring length
- 1000m (0.75~1.5mm2, unshielded
VCTF/CVV 2P or equivalent)
- Non-polarity

Wired remote controller – MWR-SH00

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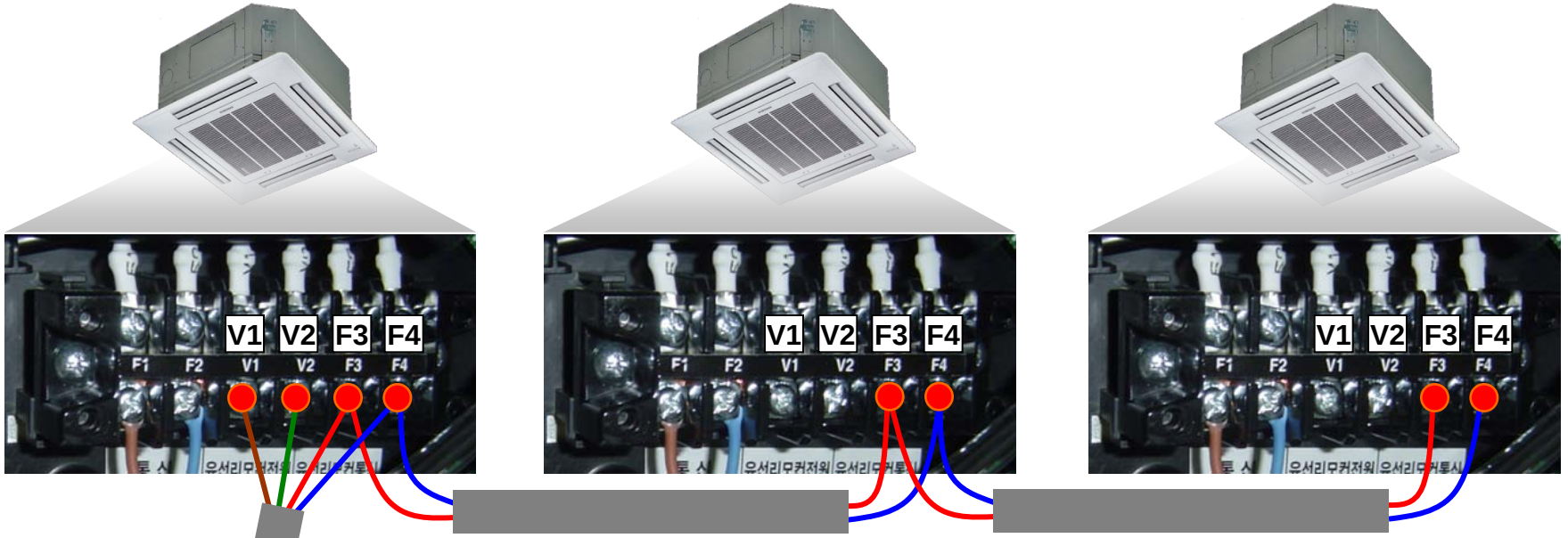
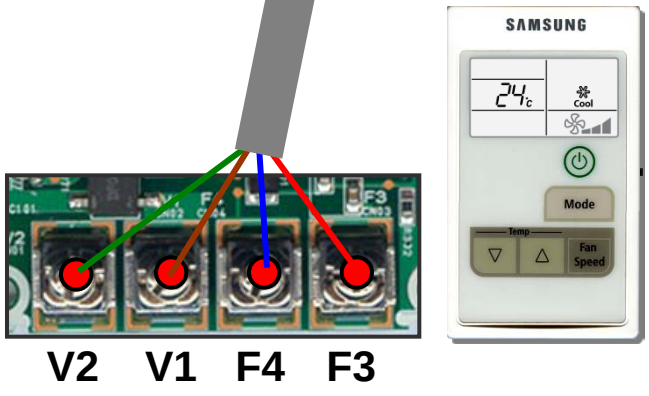
- Connection to multiple indoor units





- **Communication**
  - Connect to all F3-F4 terminals
- **Power supply**
  - Connect MWR-SH00 to one of the indoor units only

Warning

If all the V1/V2 terminals are connected together, the indoor unit PCBs might be damaged due to voltage contending and over-current flow among them

Wired remote controller – MWR-SH00

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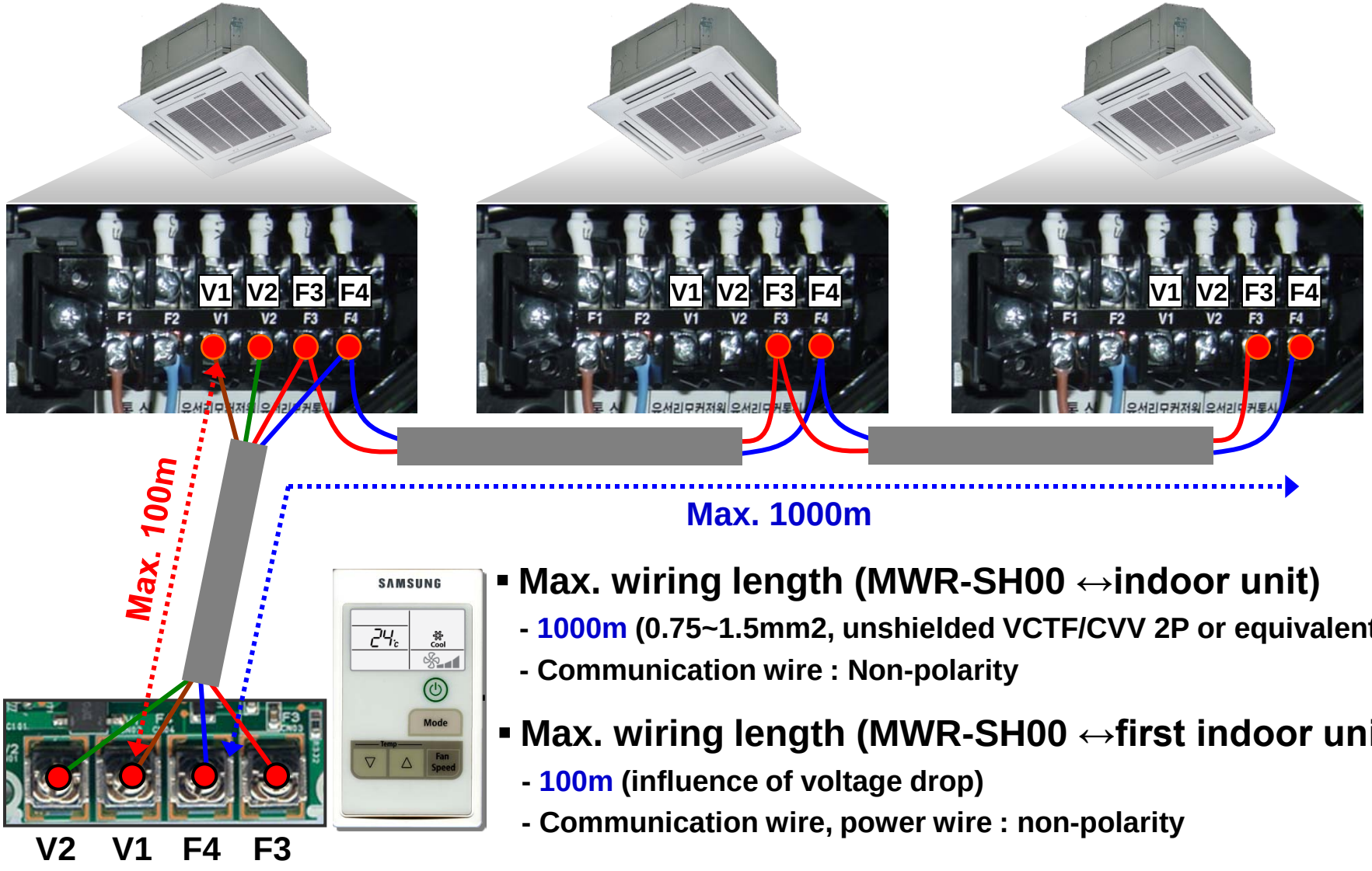
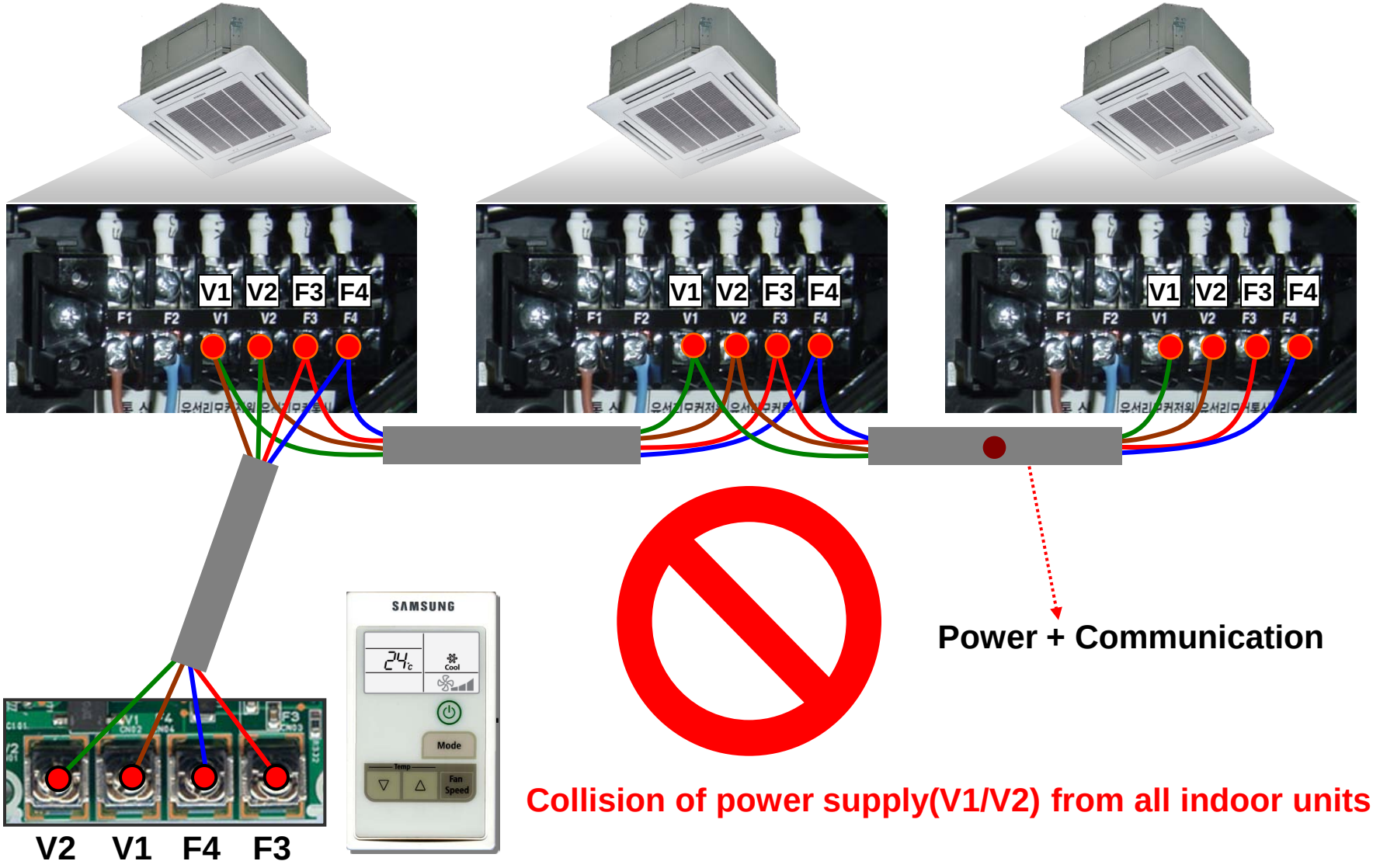
- Connection to multiple indoor units



- **Max. wiring length (MWR-SH00 ↔indoor unit)**
  - **1000m** (0.75~1.5mm2, unshielded VCTF/CVV 2P or equivalent)
  - Communication wire : Non-polarity
- **Max. wiring length (MWR-SH00 ↔first indoor unit)**
  - **100m** (influence of voltage drop)
  - Communication wire, power wire : non-polarity

Wired remote controller – MWR-SH00

- **No common connection of indoor unit V1/V2 terminals**



Collision of power supply(V1/V2) from all indoor units !!

Wired remote controller – MWR-SH00

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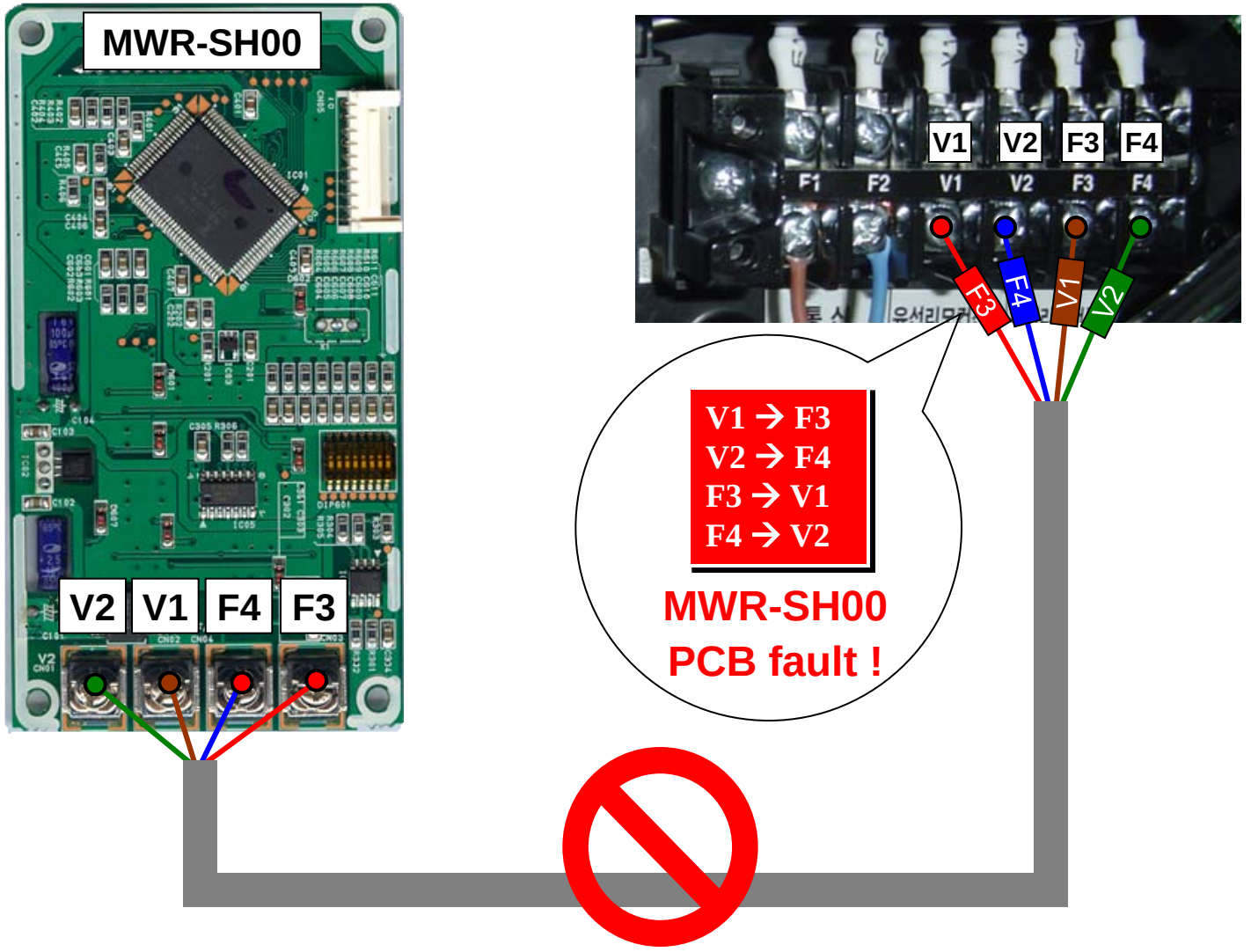
- **Protection against wrong power connection**



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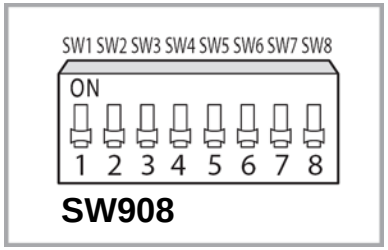
- Option switch



Default settings are all OFF.

No	OFF	ON
SW1	Heating/Cooling	Cooling only
SW2	Temperature display in ˚C	Temperature display in ˚F
SW3	Wireless remote control enabled	Wireless remote control disabled **NOTE** All wireless remote control signals including option code setting are ignored
SW4	Use Auto mode	Skip Auto mode
SW5	Release mode lock in case of power failure	Maintain mode lock in case of power failure
SW6	-	-
SW7	-	-
SW8	Set as Master **NOTE** Does not put any priority on a Slave wired remote controller	Set as Slave

Wired remote controller – MWR-SH00

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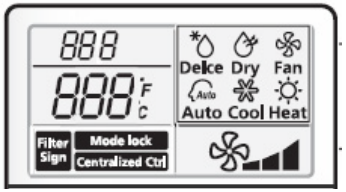
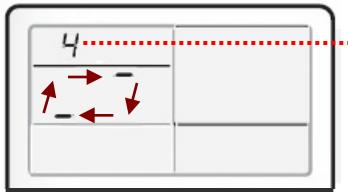
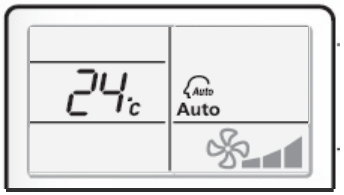
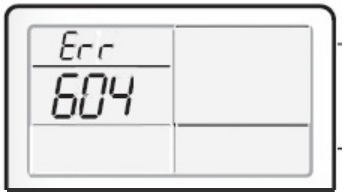
- Operation sequence display

Operation	Display
Power reset	 All the LCD segments are ON for 1 second.
Registration	 Connected number of EHP units 2 segments rotate clockwise to indicate indoor unit registration process
Normal operation	 Connected indoor unit state display
Error	 Communication error between the wired remote controller and the indoor unit.

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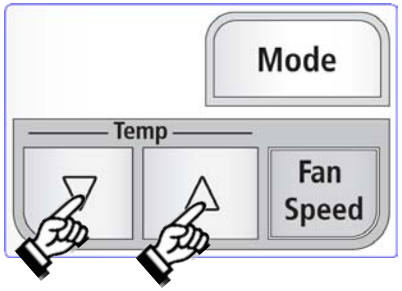
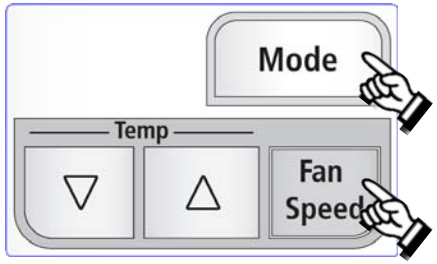
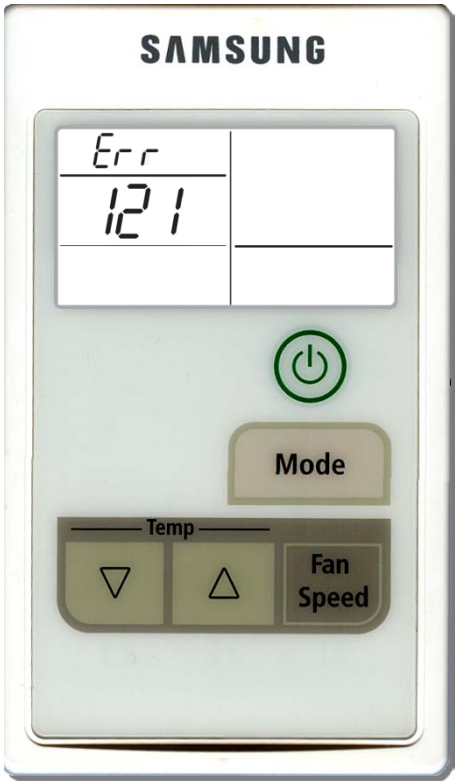
- Filter reset & mode lock

Filter replacement sign reset	
Function	Clears filter replacement sign on the indoor unit display
Control	

Operation mode lock	
Function	Prevents users from selecting the operation mode
Control	 **Press the operation mode and fan speed setting buttons together for 5 seconds.** **NOTE** Temperature and fan speed can be set.

Wired remote controller – MWR-SH00

- Error display & description



Error code	Description
E601	Communication error with indoor unit(s) for 3 minutes after tracking process
E602	Communication error between Master and Slave remote controller
E605	Communication error with 7-day Scheduler
E606	Wired remote controller of COM2 setting has connected to COM1 or vice versa..
E607	2 Master remote controllers on F3-F3 communication
E619	Indoor units of Celsius and Fahrenheit installed on F1-F2 communication.
E620	Remote control of Celsius connected to indoor unit of Fahrenheit or vice versa.
E621	Option switch setting of Master remote controller does not match to that of Slave remote controller.