



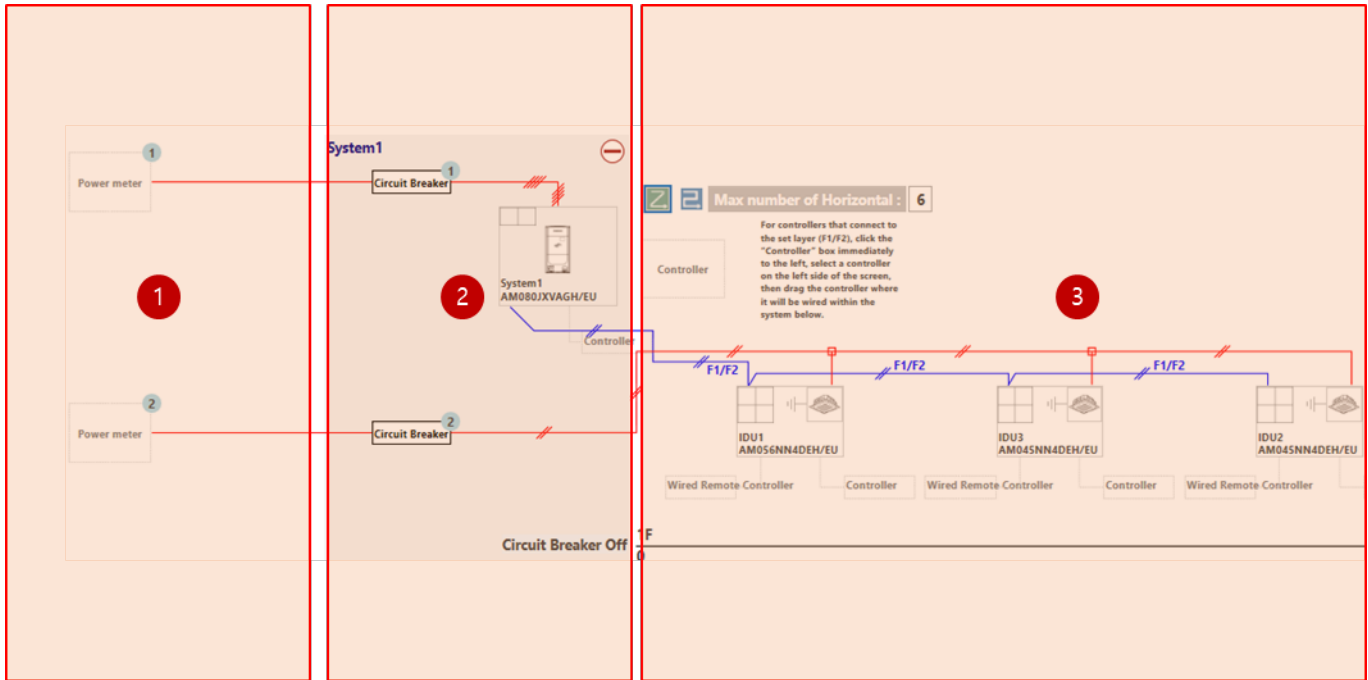
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# 1. Design View - Wiring/Controller View

## 1.1. Summary

The Wiring/Controller view provides features for selecting a controller, connecting communication lines, and setting a breaker. There are 3 apart areas - Indoor unit area, Outdoor unit area, Upper controller area.

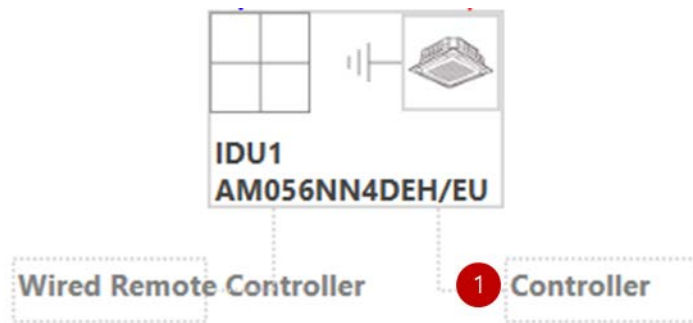


- ① Upper Controller Area : The Area for Watt-hour meter, PIM/SIM, DMS, etc.
- ② Outdoor Unit Area : The Area for designed the Outdoor units. A dummy for an ERV/FCU interface module to connect with the Upper Controller Area is also provided in the area.
- ③ Indoor Unit Area : The Area for the Indoor units of the system. You can place an Indoor area controller from the Indoor Area Controller dummy into this area.

## 1.2. Controller Selection

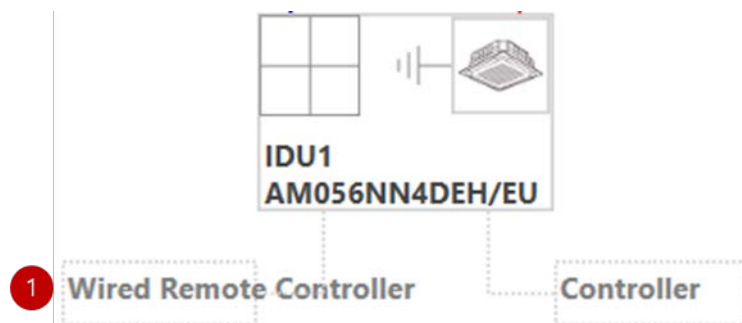
For controller selection, clicking a dummy or channel in each area and select a controller in the panel on the left.

### 1.2.1. Indoor Unit Individual Controller



① Individual Controller Dummy : A Dummy for an Indoor Unit Individual Controller.

### 1.2.2. Wired Remote Controller



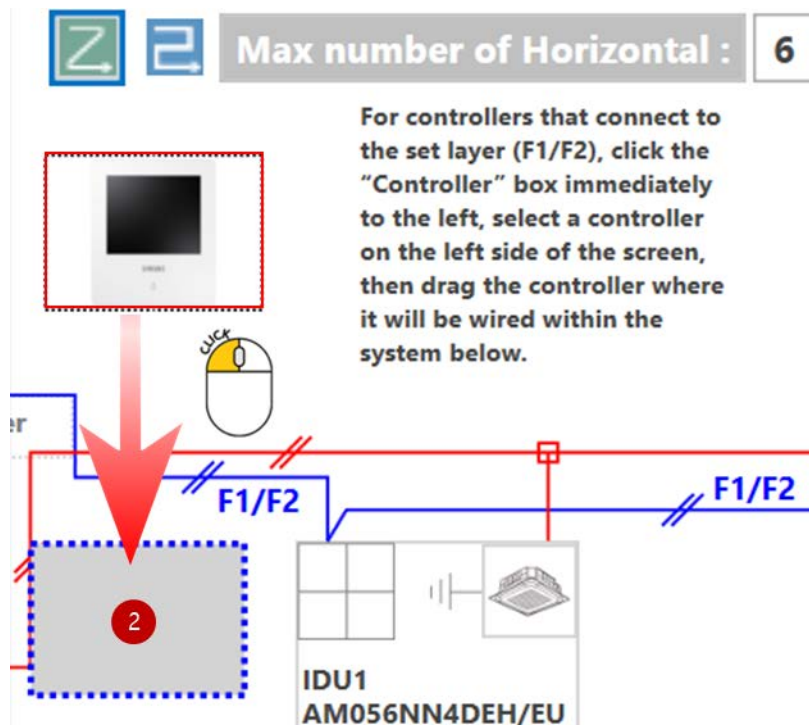
① Wired Remote Controller Dummy : A Dummy for an Indoor unit Wired Remote Controller. After selecting a wired remote controller, click [Indoor Unit Group Control] in the right-mouse button menu from the wired remote controller to set a group control.

### 1.2.3. Indoor Unit Area Controller



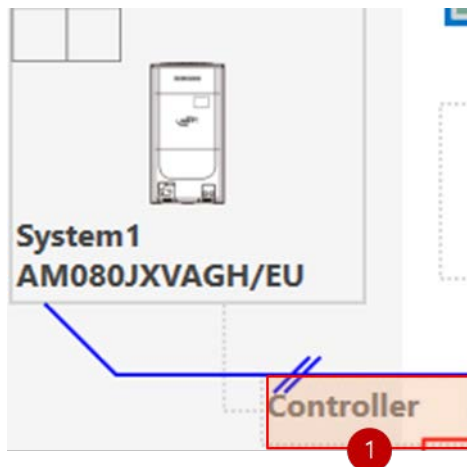
For controllers that connect to the set layer (F1/F2), click the "Controller" box immediately to the left, select a controller on the left side of the screen, then drag the controller where it will be wired within the system below.

- ① Indoor Unit Area Controller Dummy : A Dummy for an Indoor Unit Area Controller.



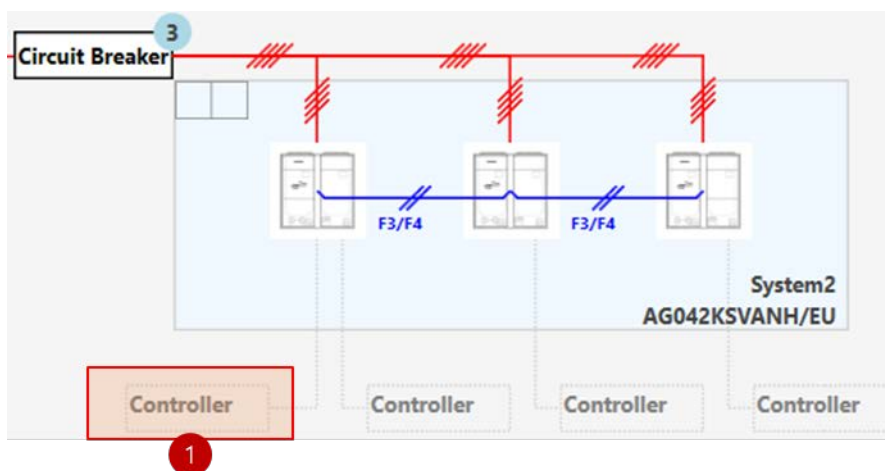
- ② To place the selected Indoor Unit Area Controller, drag & drop the controller to between the already placed Indoor Unit Area equipment.

#### 1.2.4. Outdoor Unit Individual Controller



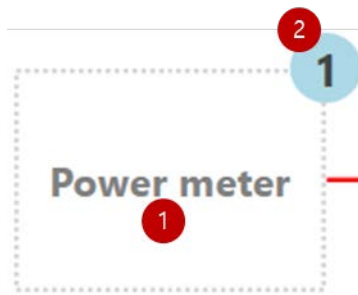
- ① Individual Controller Dummy : A Dummy for an Outdoor unit Individual Controller.

#### 1.2.5. Chiller Module Controller

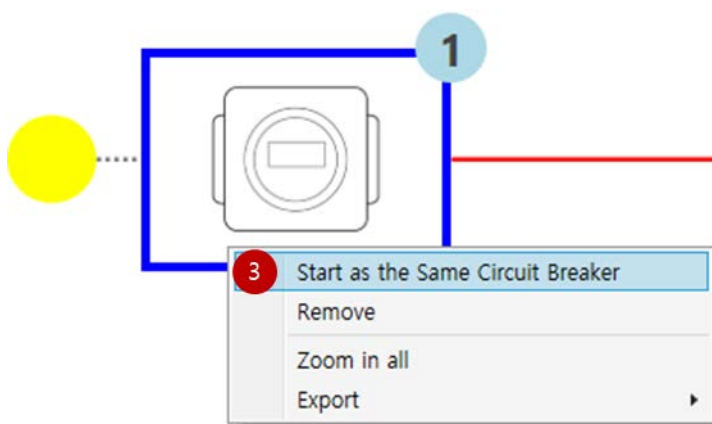


- ① Chiller Module Controller Dummy : A Dummy for a Chiller Module Controller.

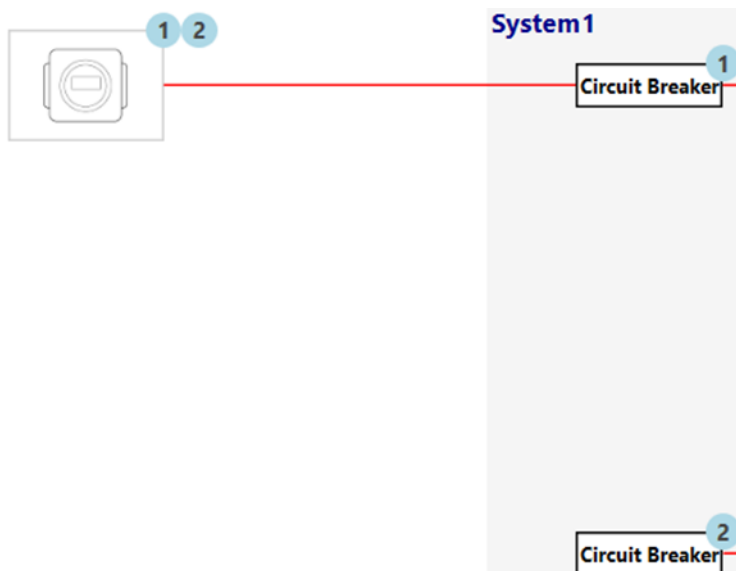
### 1.2.6. Watt-hour meter



- ① Watt-hour meter Dummy : A Dummy for a Watt-hour meter.
- ② Breaker Number : The Number of the breaker connected to this Watt-hour meter.

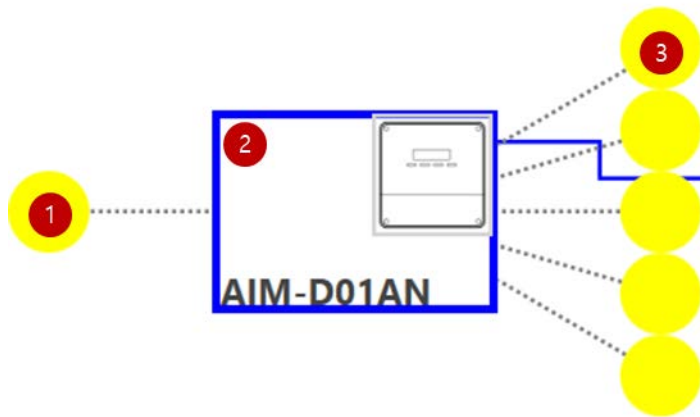


- ③ To merge the Watt-hour meters, click the right mouse button on the first Watt-hour meter and execute the [Start as the Same Circuit breaker] menu and then select other Watt-hour meters and click the right mouse button again to finish.



### 1.2.7. Upper Controller

Select the equipment in the Upper Controller Area and click the channel, and then searched controllers will be displayed on the left panel.

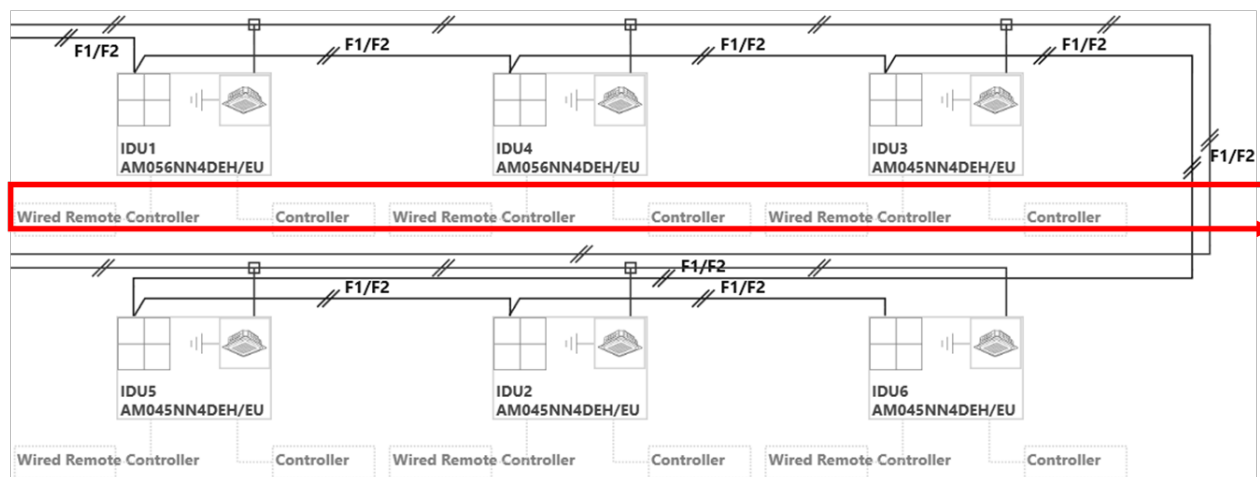


- ① Upper Channel : The channel on the left side of the controller.
- ② Controller : Image and Model Name of the Controller. Some equipment, such as the Wi-Fi Kit, has the address and this is displayed in the upper left corner of the controller.
- ③ Lower Channel : The channel on the right side of the controller.

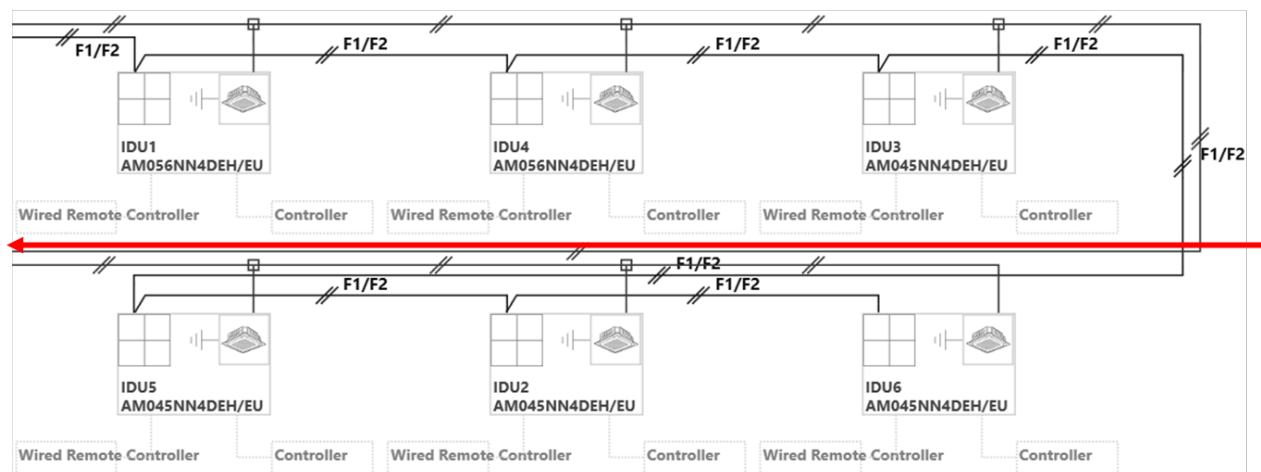
### 1.3. Wiring Alignment And Maximum Number of Horizontal Setting

After activating the Wiring/Controller tab, align to all the wiring of systems by the wiring align ribbon menu or align to a specific system by the align menu on each system in the Wiring view.

#### 1.3.1. Left Alignment



#### 1.3.2. Cross Alignment

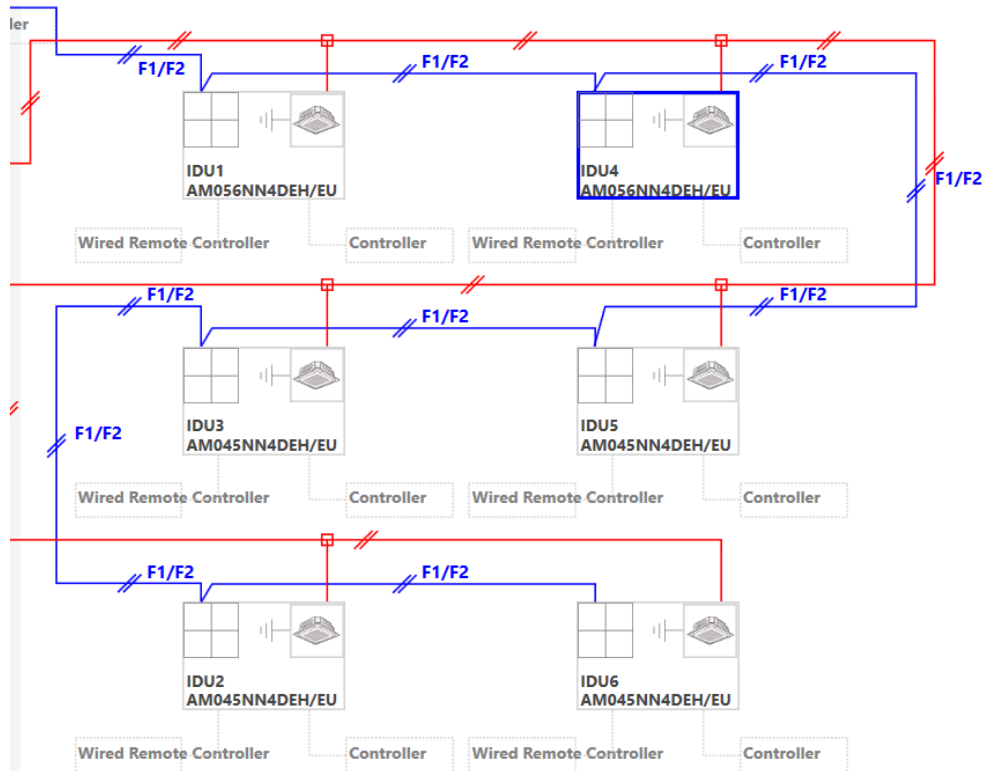


### 1.3.3. Maximum Number of Horizontal

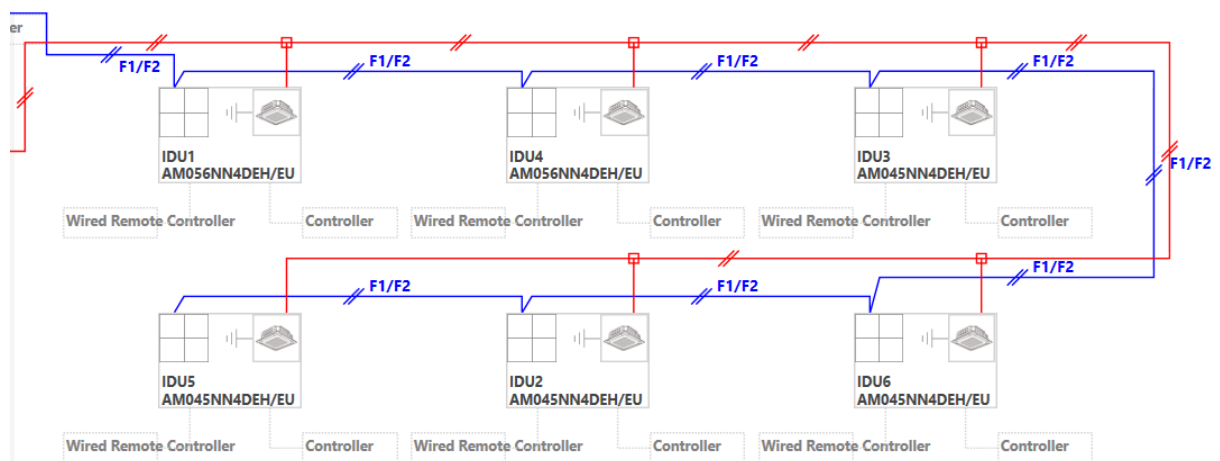
Set the number of equipment displayed per row.



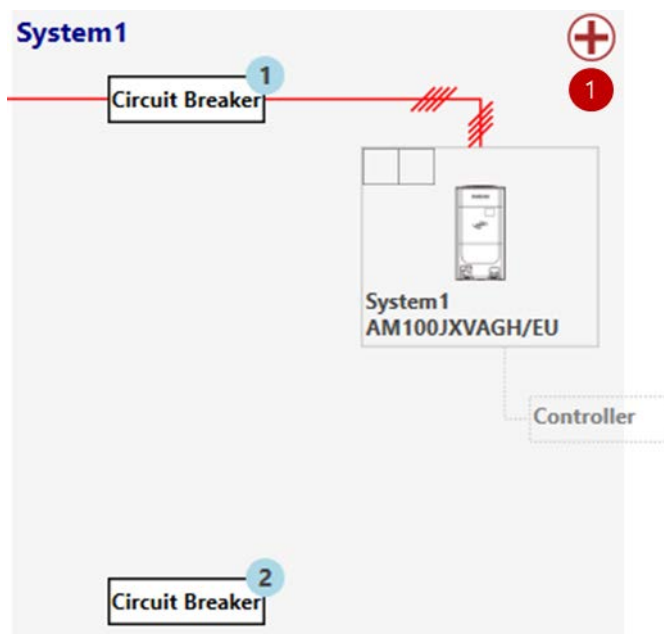
(When Setting 2)



(When Setting 3)



## 1.4. Folding/Open

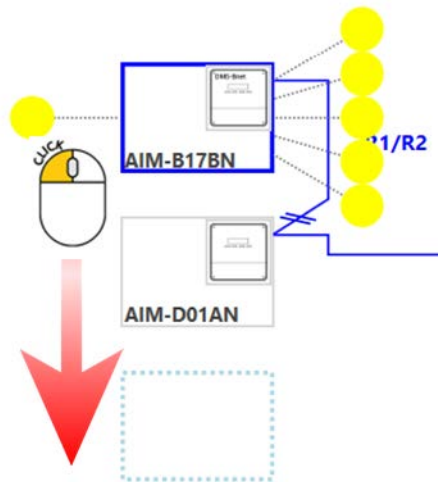


- ① Folding/Open Button : As a button created per system, it hides or shows the equipment in the Indoor Unit Area. However, even in the folded state, the breakers in the Outdoor Unit Area are displayed as they are.

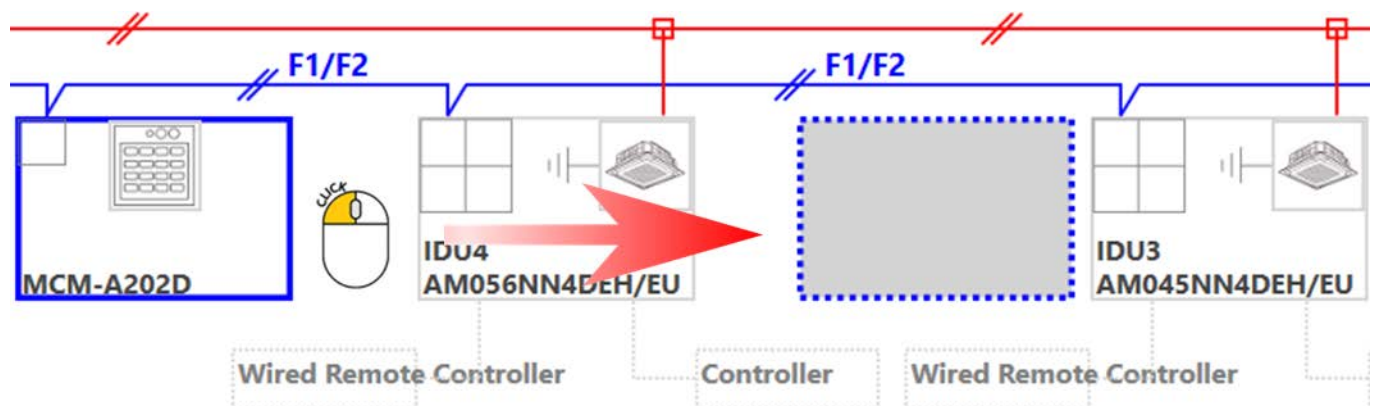
## 1.5. Move Equipment

The controller in the Upper Controller Area or Indoor Unit Area can be moved by drag and drop.

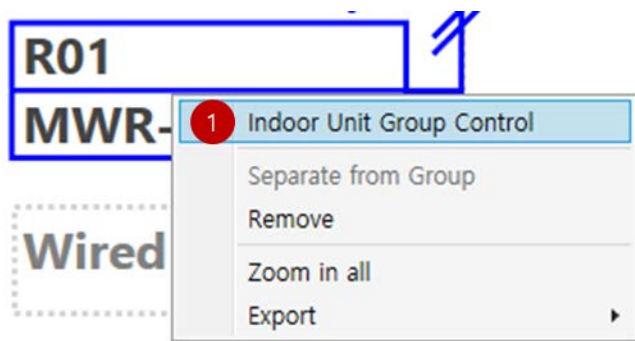
(Upper Controller Area)



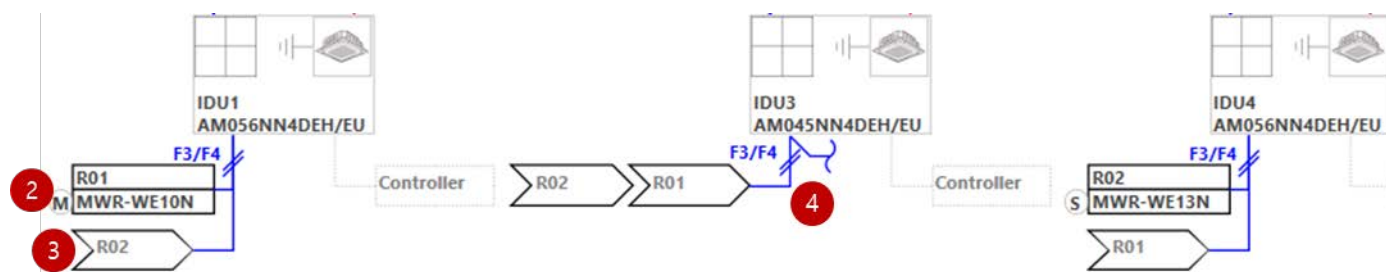
(Indoor Unit Area)



## 1.6. Wired Remote Controller Group Control



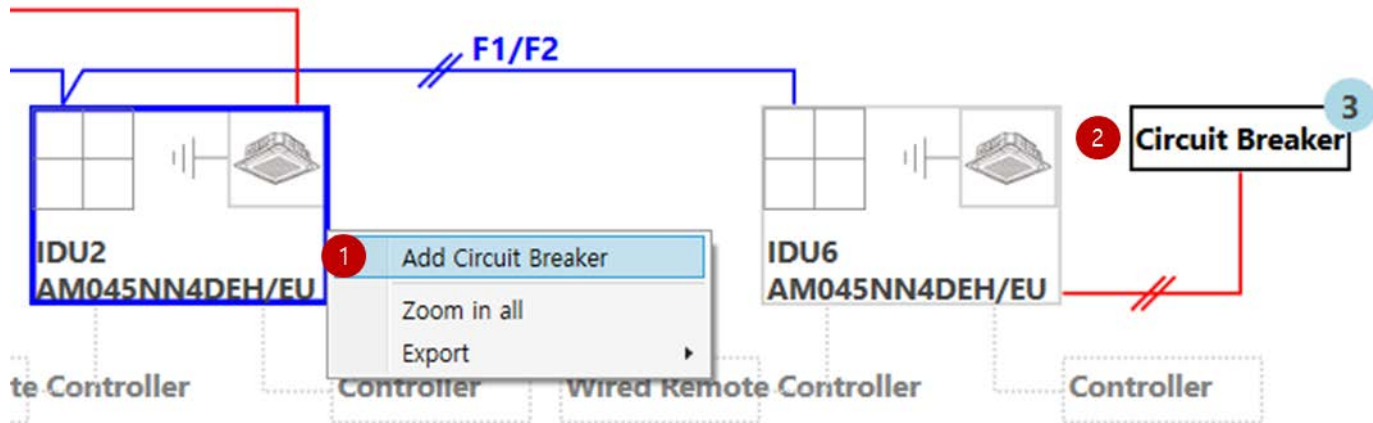
- ① Click the right mouse on the Wired Remote Controller and execute [Indoor Unit Group Control] for the group control. Select Indoor units and click the right mouse button again to finish.



- ② Main/Sub Symbol : If the Remote Control Group has two wired remote controllers, the main/sub symbol is displayed.
- ③ Connected Wired Remote Controller Symbol : When another wired remote control is connected, the name of the remote controller is displayed.
- ④ Jump connection : It means the communication wire is connected to another Indoor unit through this Indoor unit.

## 1.7. Set an Individual Circuit Breaker

To add an Individual breaker for the Indoor unit, click the right mouse button on the Indoor unit and execute the [Add Breaker] menu.



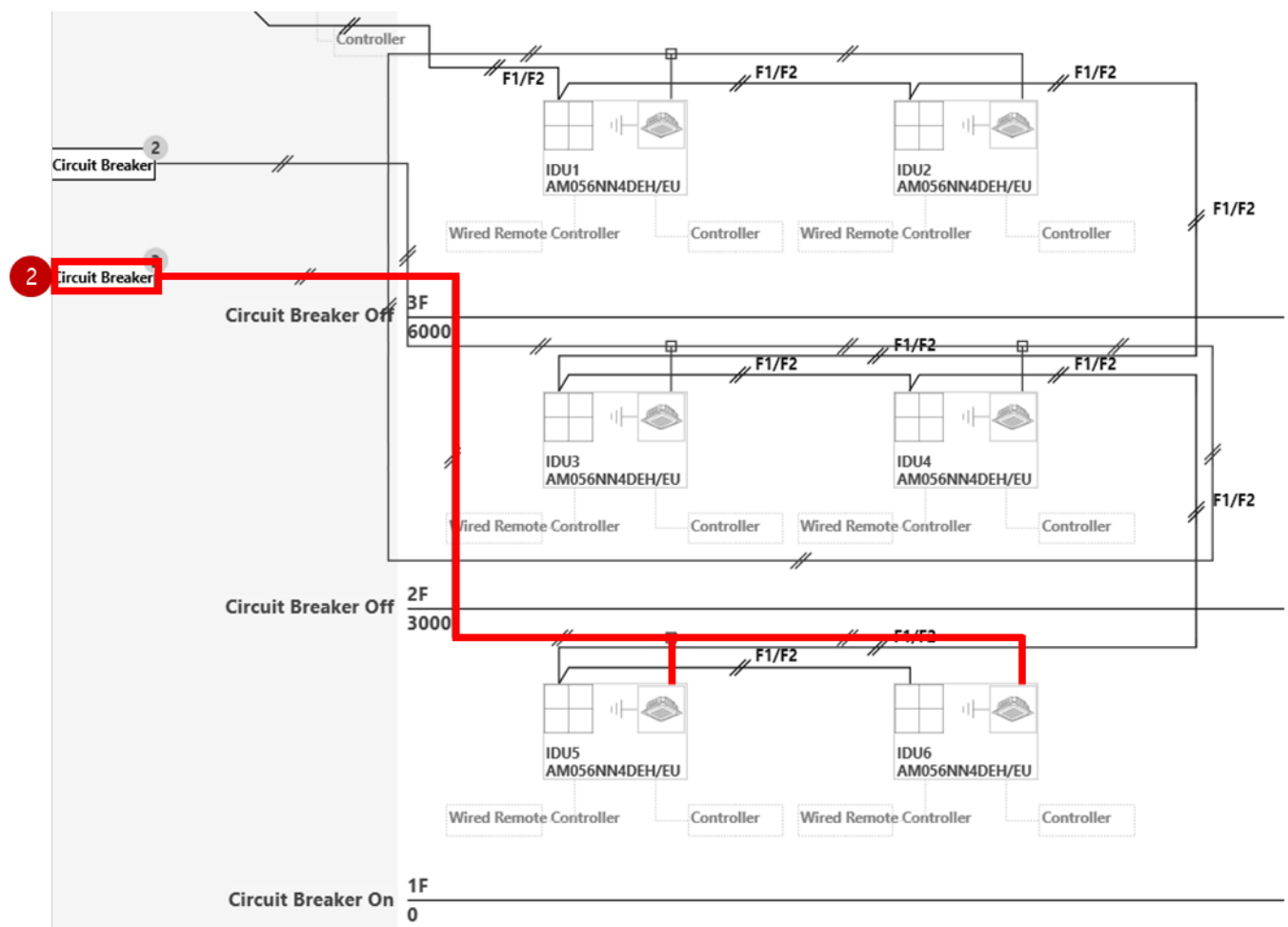
- ① Add Circuit Breaker : Add the Individual breaker to the Indoor unit.
- ② Individual Circuit Breaker : The Individual Breaker and number. The breaker number cannot be modified.

## 1.8. Floor Circuit Breaker

In Building-based designs, a breaker can be placed on each floor. The floor circuit breaker can be added by clicking the right mouse button on a circuit breaker On/Off label of each floor. When it turned on, the floor circuit breaker is created on the Outdoor Unit Area.



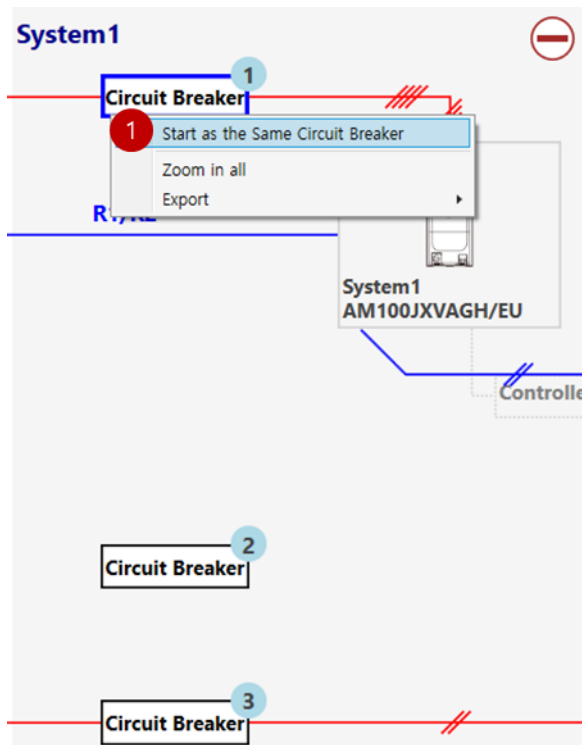
- ① Circuit Breaker On/Off : Create or Remove a breaker for the floor.



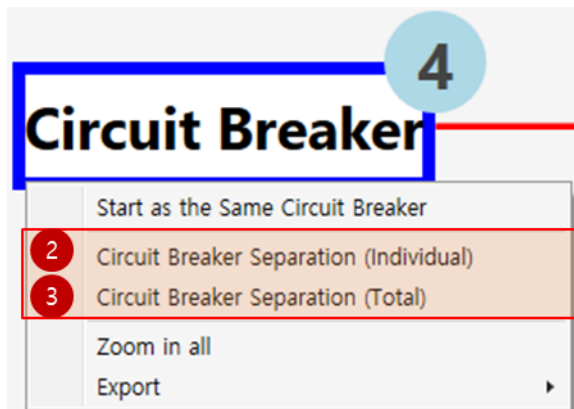
- ② Floor Circuit Breaker : Displays when the floor circuit breaker is on. Connect the power wire of equipment located on the active floor.

## 1.9. Merge/Separate the Same Circuit Breaker

Clicking the right mouse button on the Circuit Breaker and execute [Start as Same Circuit Breaker] to set the breakers to have the same number. The same number breaker can be separated again by using the [Circuit Breaker Separation] menu.



① Start as the same Circuit Breaker : Set the same breaker number with this breaker.

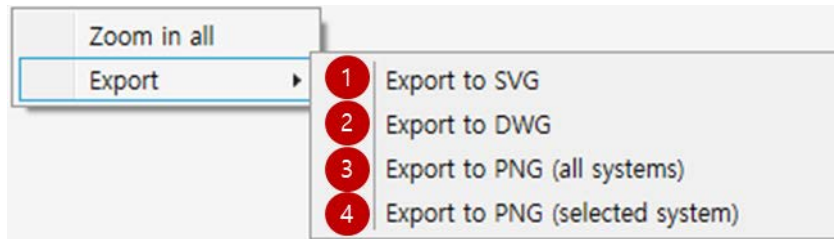


② Circuit Breaker Separation (Individual) : Separate this breaker off from the same number group.

③ Circuit Breaker Separation (Total) : Separate all the breakers off from the same number group.

## 1.10. Export

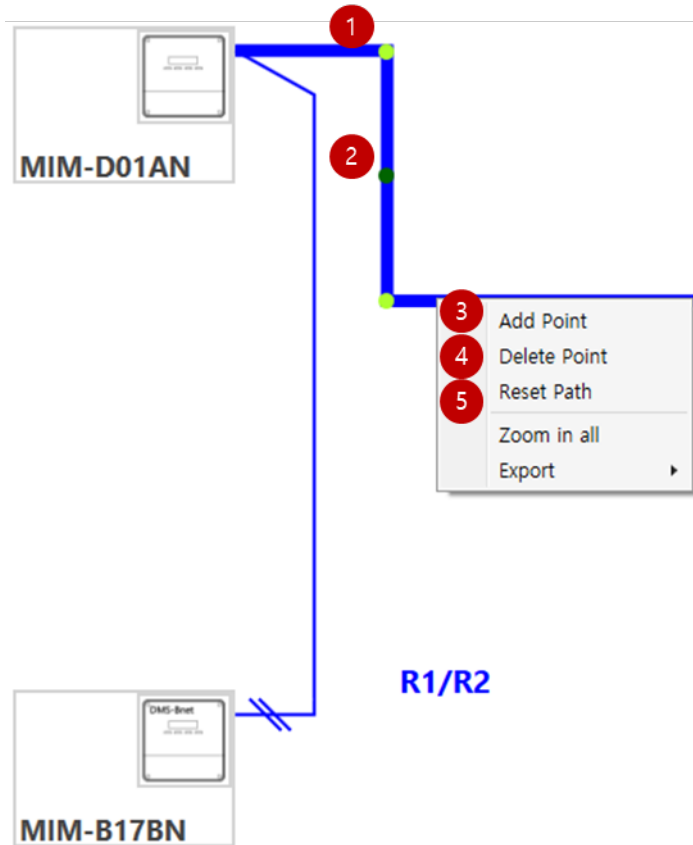
To Export, Clicking the right mouse button on the empty space in the Wiring/Controller view and click the export menu.



- ① Export to SVG : Export the entire systems to the SVG file format.
- ② Export to DWG : Export the entire systems to the DWG file format.
- ③ Export to PNG (all systems) : Export the entire systems to the PNG file format.
- ④ Export to PNG (selected system) : Export the activated system to the PNG file format.

## 1.11. Edit Communication Wire

When a communication wire in the Upper Controller Area is selected, the edit points appear on the selected communication wire. These points can add, remove, and move.



- ① Edit Point : The edit point for wire editing. You can add it more with the [Add Point] menu.
- ② Middle Point : As the intermediate point between edit points and two edge points can be moved horizontally at the same time.
- ③ Add Edit Point : Add a new edit point on the wire.
- ④ Remove Edit Point : Remove the point from the wire.
- ⑤ Initialize Edit Point : Initialize the edit point states.



- ⑥ Channel Point : The point for editing the channel name position.