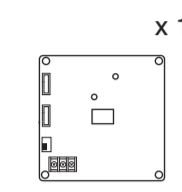
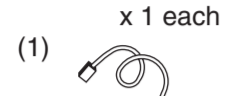



Daikin Air Conditioner

Digital inputs adapter

Installation manual BRP7A51 • 52 • 53 • 54

Accessories Check if the following accessories are included in the kit.

Adapter	Relay harness	PCB support	x 4
x 1	x 1 each	Clamp	x 3
	(1) 	Installation manual	x 8
	(2) 		

- NOTES**
- Kits vary according to applicable models.
 - A special adapter fixing plate and box are required for some models, refer to the option list or catalogue.

1 SYSTEM OUTLINE

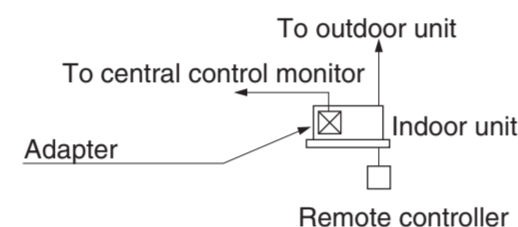
This kit enables remote control (ON/OFF control) and can be used with the following systems though it cannot be used in conjunction with other optional controllers for centralized control.

1. Individual control (Each indoor unit is controlled individually.)

This system requires the following parts.

- Adapter BRP7A51, 52, 53 or 54
- Remote controller BRC1H* / BRC1E* (For operation control)

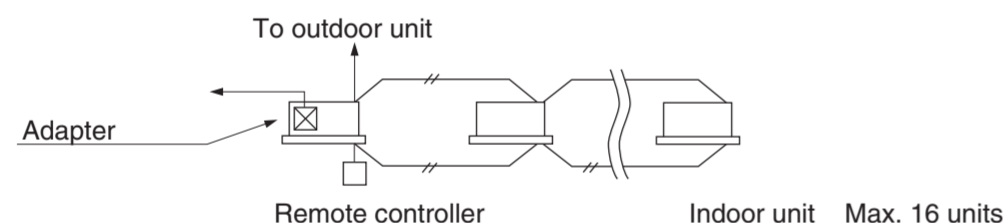
(Ex.) When individually controlling 8 FHVC71F units
BRP7A51 x 8 kits
BRC1H* x 8 kits



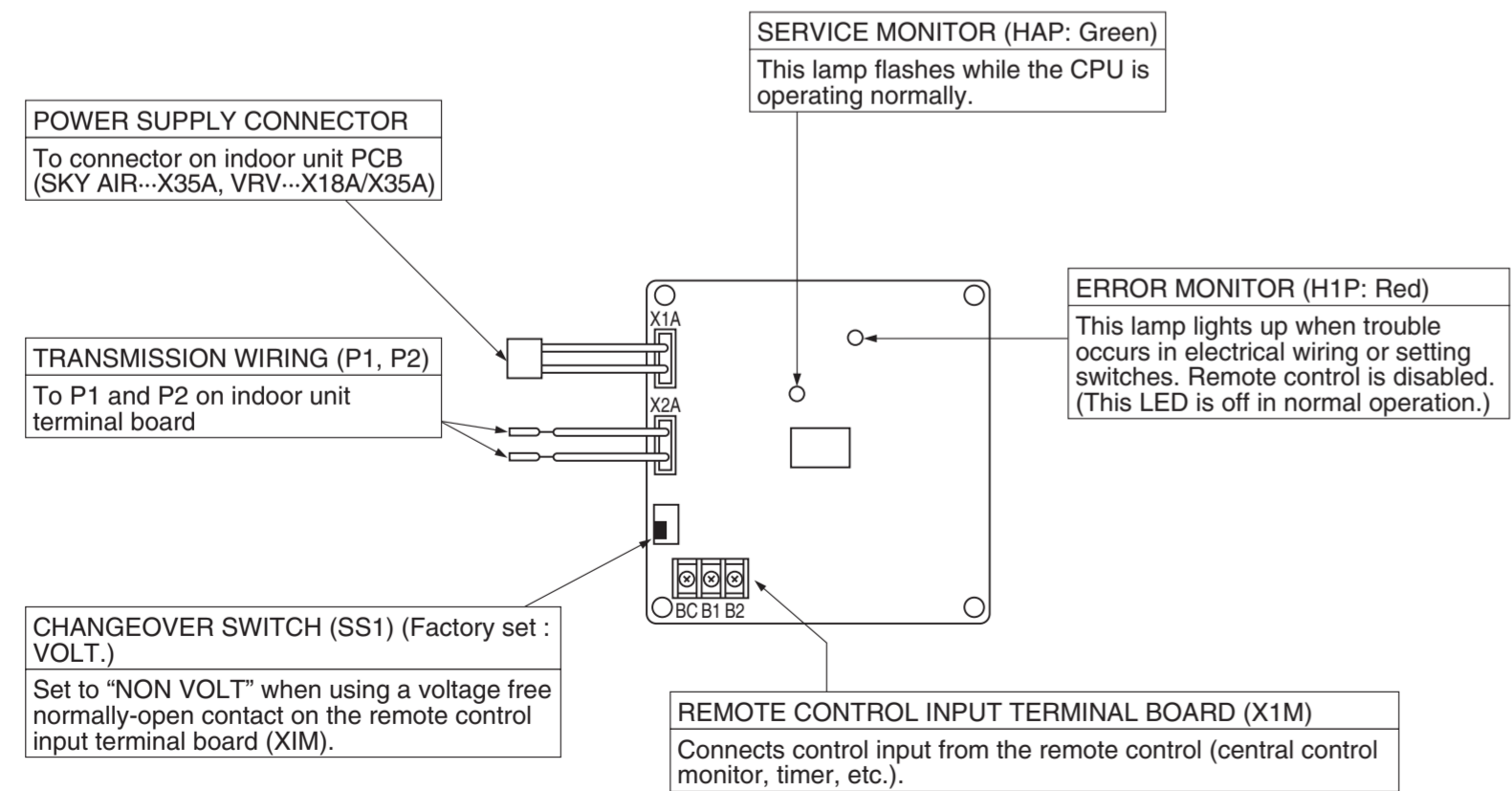
2. Group control (Multiple indoor units are controlled as a group.)

This system requires the following parts.

- Adapter BRP7A51, 52, 53 or 54
- Remote controller (For operation control) BRC1H* / BRC1E*



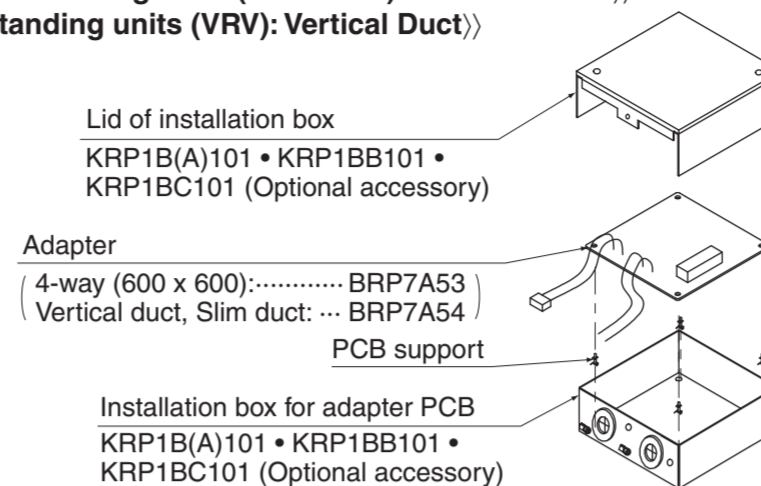
2 NAMES OF PARTS AND FUNCTION



For details, see ELECTRIC WIRING on the rear side.

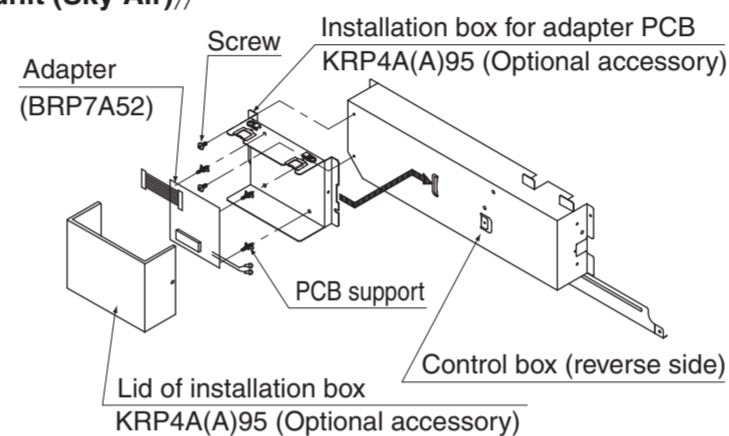
3 INSTALLATION

«Ceiling mounted cassette units: 4-way (600 x 600)»
«Concealed ceiling units (duct units): VRV Slim Duct»
«Floor standing units (VRV): Vertical Duct»



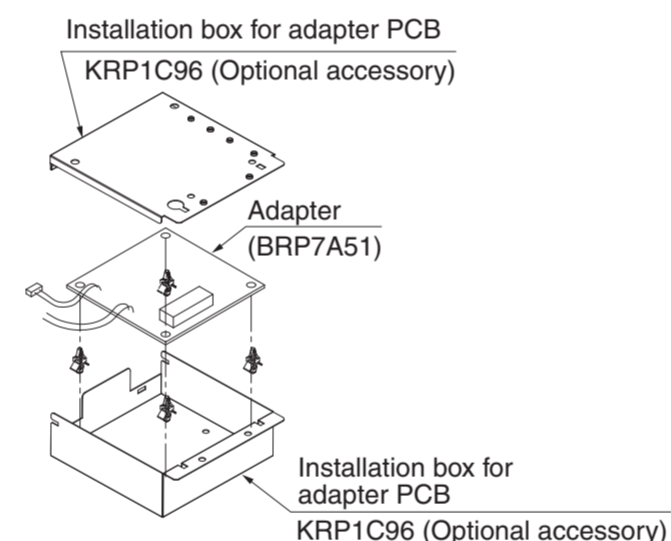
NOTE: Installation box for adapter PCB is required to install the adapter.

«Floor standing unit (Sky Air)»



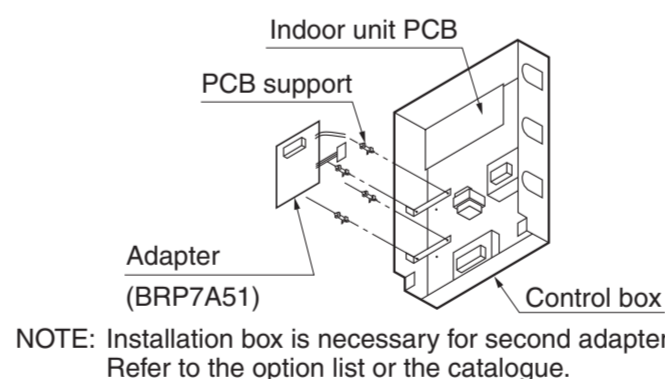
NOTE: Installation box for adapter PCB is required to install the adapter.

«Ceiling mounted cassette units: 2-way blow»



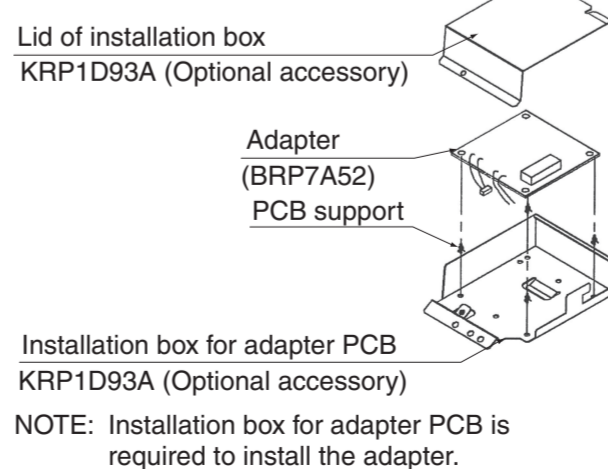
NOTE: Installation box for adapter PCB is required to install the adapter.

«Concealed ceiling units (duct units): VRV MSP Duct»



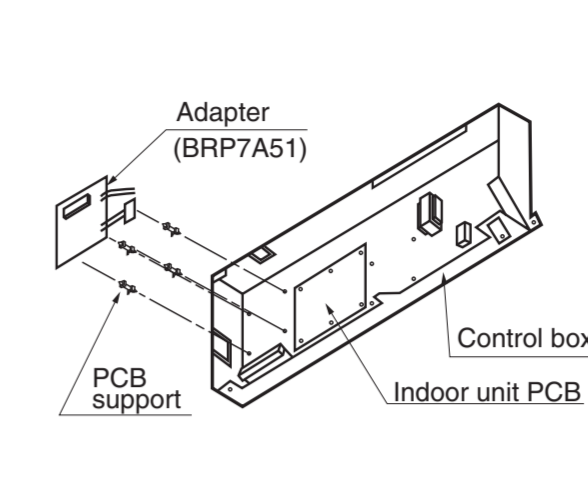
NOTE: Installation box is necessary for second adapter. Refer to the option list or the catalogue.

«Ceiling suspended units: 1-way blow»

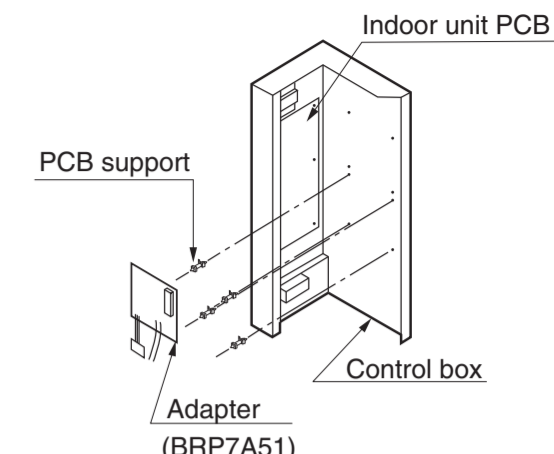


NOTE: Installation box for adapter PCB is required to install the adapter.

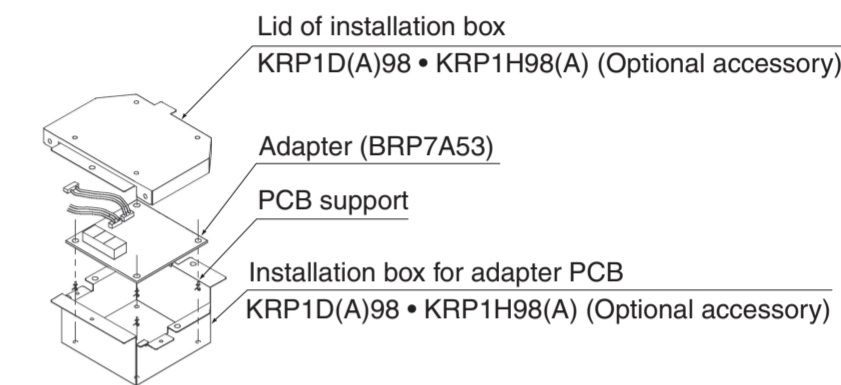
«Ceiling mounted corner cassette»



«Floor standing units (VRV): Concealed»
«Floor standing units (VRV): Free-standing»

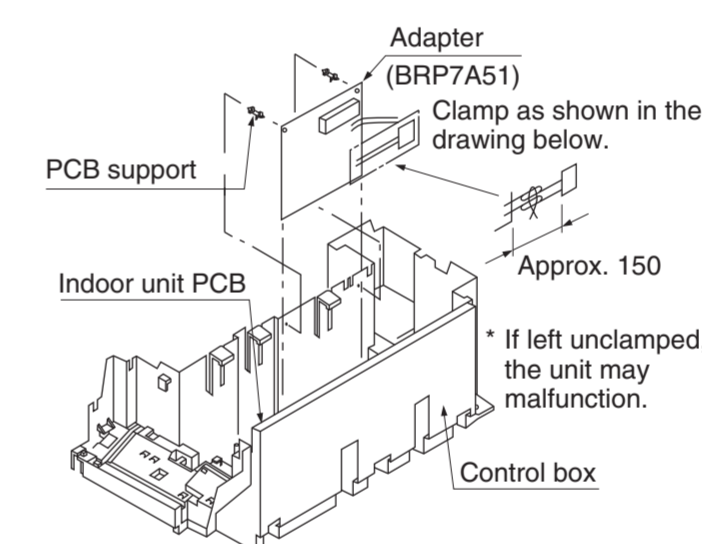


«Ceiling mounted cassette units: Round flow (800 x 800)»

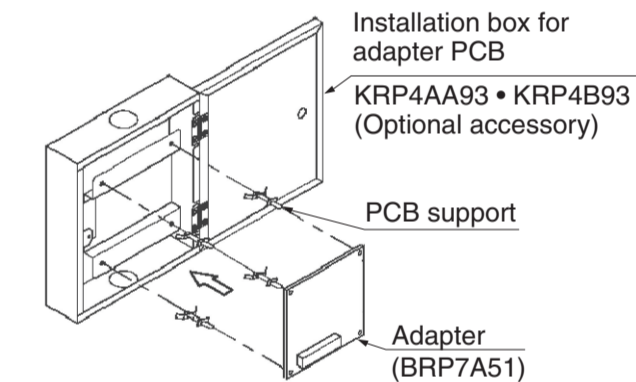


NOTE: Installation box for adapter PCB is required to install the adapter.

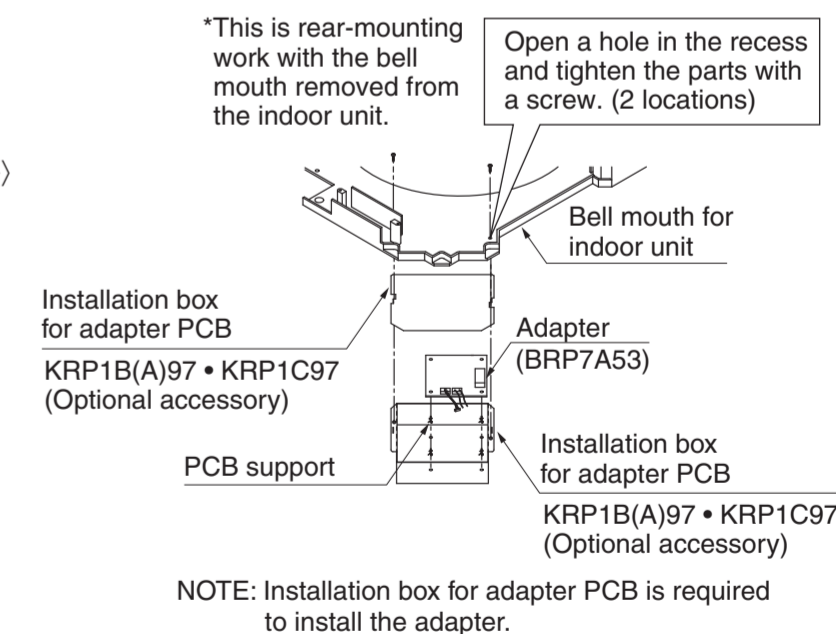
«Wall mounted unit (Sky Air)»



«Wall mounted unit (VRV + Sky Air)»

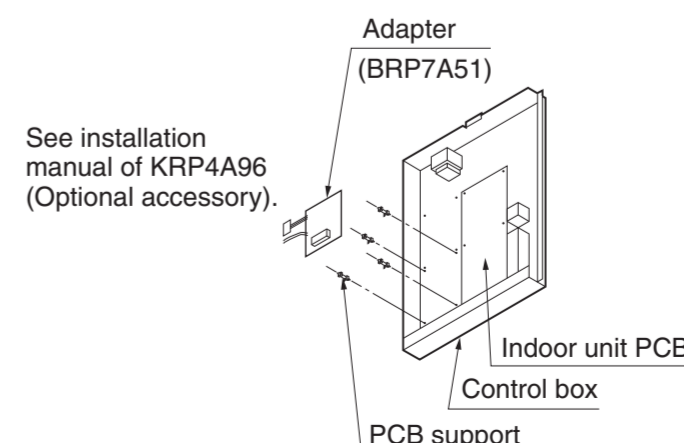


«Ceiling suspended unit: 4-way blow»



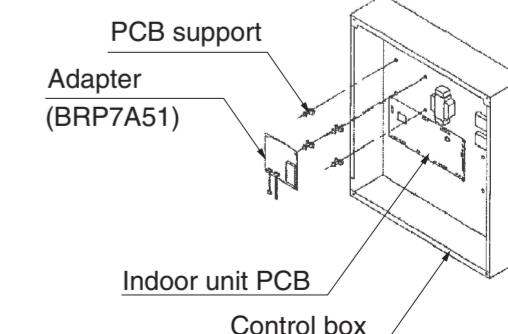
NOTE: Installation box for adapter PCB is required to install the adapter.

«Concealed ceiling units (duct units): VRV High ESP class 50~125»



See installation manual of KRP4A96 (Optional accessory).

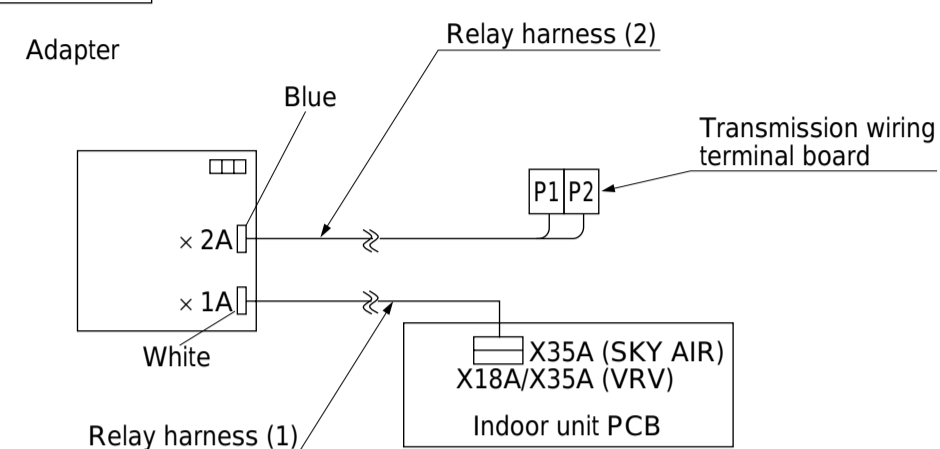
«Concealed ceiling units (duct units): VRV High ESP class 200 + 250»



4 ELECTRIC WIRING

- ① First, do the wiring between the indoor and outdoor units, then to the separate power sources and finally between the indoor units and the remote controllers. Next, check if they operate properly. (When using for group control by a remote controller, avoid cross wiring.) For details, see the installation manual of the indoor and outdoor units.
- ② Next, do the wiring between outside units such as the central control monitor and adjust the necessary settings. For details, see [Wiring to outside units \(central control monitor\)](#).

Wiring to indoor units



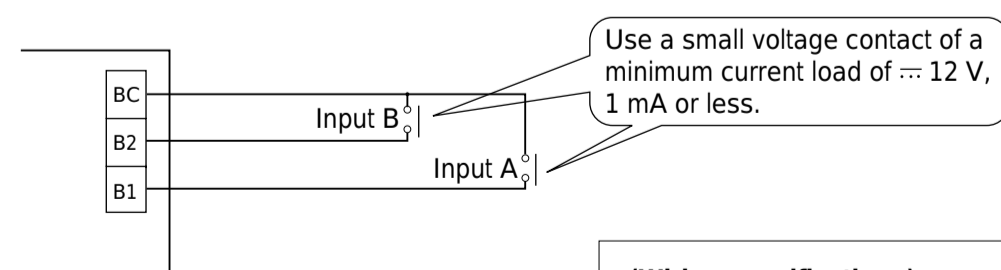
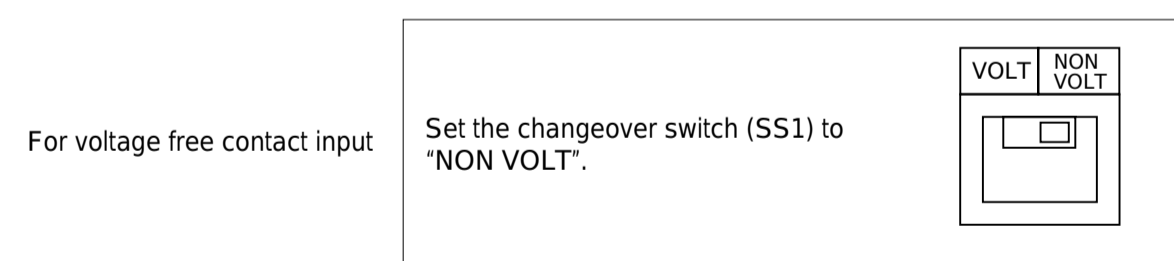
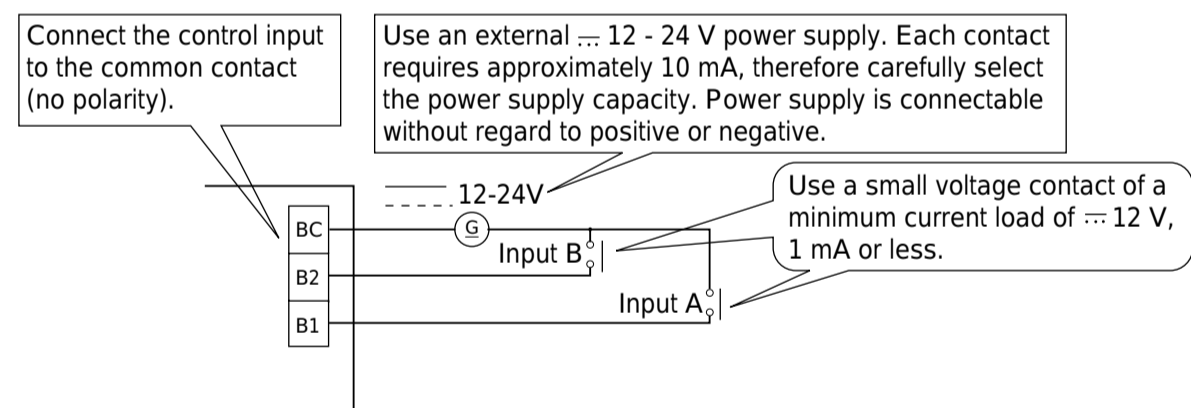
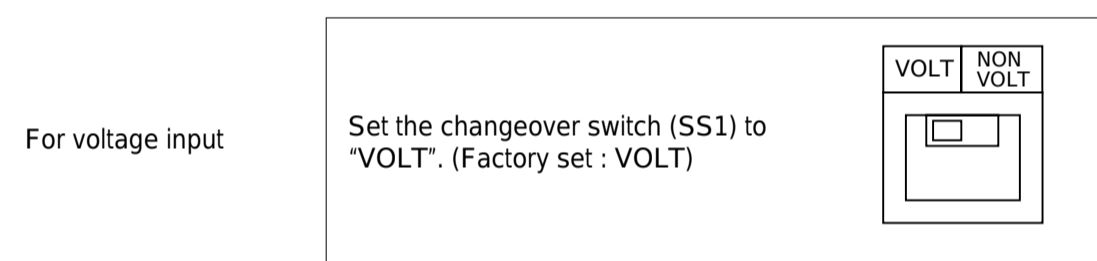
Perform the connections as shown above, using the attached relay harnesses (1) and (2).

- Connect relay harness (1) to the connector (X35A or X18A) on the indoor unit PCB.
- Relay harness (2) has no polarity. Connect it to terminals P1 and P2 on the transmission wiring terminal board inside the indoor unit Electric parts box.

Wiring to outside units (central control monitor)

1. Remote control input (operation control)

Do the wiring as described below. Wiring differs depending on whether a voltage or no-voltage input is used.



(Wiring specifications)
 Wiring ... Sheathed vinyl cord or cable
 Wire size ... 0.18 - 1.25 mm²
 Length ... Max. 150 m

(NOTE)
 Keep transmission wiring away from power supply wiring to avoid malfunctions.

2. External input logic (for interlock function of hotel room)

Connect the external inputs in accordance with the following specification.

Connection specification of External inputs

Control terminal	Input name	External input logic	
		Status	Contact State
B1/BC	Input A	Windows CLOSE	close
		Windows OPEN	open
B2/BC	Input B	Key Card IN	close
		Key Card OPEN	open