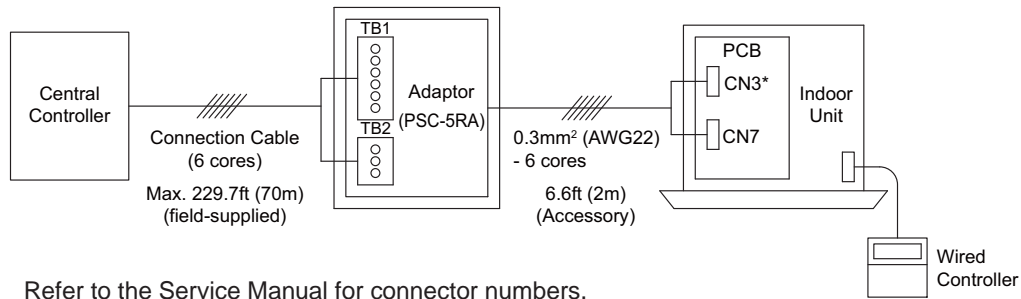


Installation Manual for Relay and 3 Pin Connector Kit

Model	PSC-5RA
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1. System

This kit is used for input/output signals (ON/OFF, mode, alarm) between the central controller and the indoor unit.



Item	Signal	Description	Specifications
Input from Central Controller	Input 1	Input level signal or pulse signal for voltage from the central controller	Voltage: 12VDC, 10mA Voltage: 24VDC, 10mA Pulse Range: 500ms or more
	Input 2		
Output to Central Controller	Output 1	Output the signal from the wired controller	24VDC From 10mA to 1A
	Output 2		

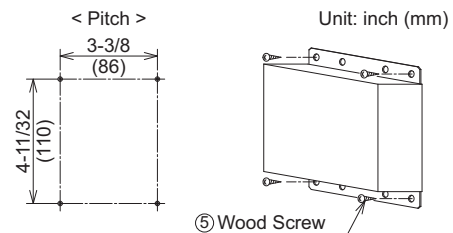
Refer to the Indoor Unit Manual for Input/Output mode settings by the wired controller.

2. Installation

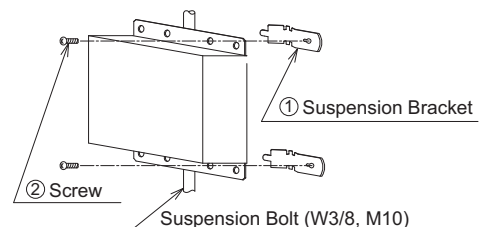
- (1) Avoid a humid environment. Install it near the indoor unit.
- (2) Check to ensure that the following parts are included in the box.

.No.	Name	Qty.	No.	Name	Qty.
①	Suspension Bracket	2	④	Wood Screw for Clamp	3
②	Screw	2	⑤	Wood Screw	4
③	Cable Clamp	3			

- (3) Use the wood screws ⑤ when the adaptor is installed on the wall/post.

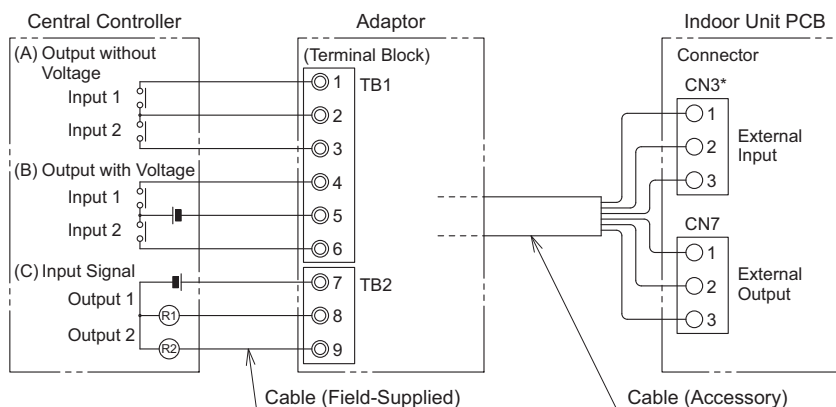


- (4) When the adaptor is installed with the suspension bolts (field-supplied), use the suspension brackets ①. Hang it on the bracket's hook and tighten two screws.



3. Electrical Wiring

Connect the central controller, the adaptor and the indoor unit PCB according to the following procedures.



Refer to the Service Manual for connector numbers.

- (1) Connect the accessory cables for the indoor unit.
Confirm the mark tubes on the connector. Insert them into the applicable PCB.
- (2) Connect the field-supplied cables for the central controller.
Use crimped terminals equivalent to J.S.T. 1.25-4, 0.3 - 0.75mm² (AWG22 - AWG18) in size of field-supplied cables.
- (3) Use terminal No.1 - No.3 for (A), output without voltage, No.4 - No.6 for (B), output with voltage.
- (4) Output with voltage from the central controller: 24VDC, 10mA
Input signals to the central controller: 24VDC, From 10mA to 1A

4. Precaution

- (1) Make the cables between the central controller and the adaptor as short as possible.
Do not run the cable along with 208/230V lines. Separate the cable 11-13/16 inch (300mm) or more from the 208/230V lines. Otherwise, actions will be required to prevent electromagnetic interference (EMI) using conduit tubes or shielded cables.
- (2) In an instance of an automatic operation by the remote switch, install a breaker or a smoke sensor near the indoor unit for safety in addition to monitoring by "Alarm Signal Output".
- (3) Refer to the Service Manual for details as to level signals and pulse signals from the central controller.