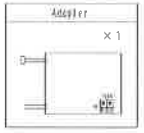
DⅢ-NET EXPANDER ADAPTER
INSTALLATION MANUAL DTA109A51

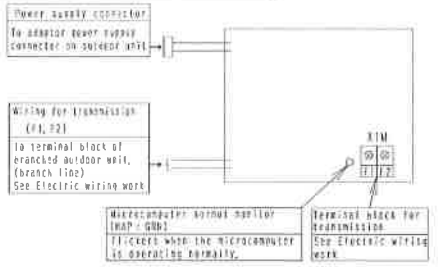
Accessories Check the following accessories are included in the kit before the installation



PCB support	×4
Clamp	×3
Installation Manual	×1

NOTE This adapter does not apply to salt damage resistance.

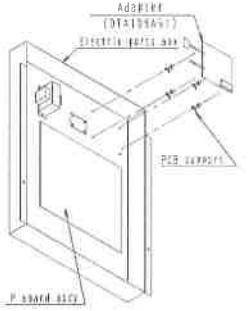
❷ Names of parts and functions



❸ Installation

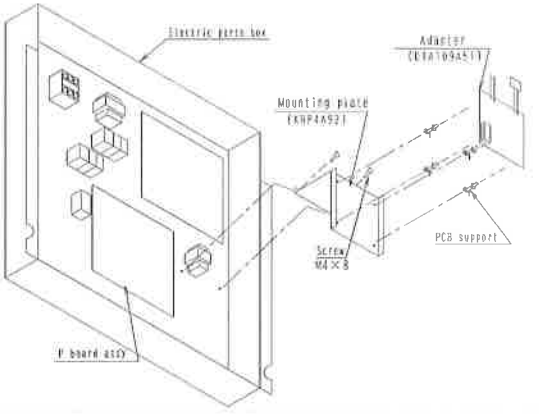
《Function unit》

BL2-3, BR2-3, BC2-3

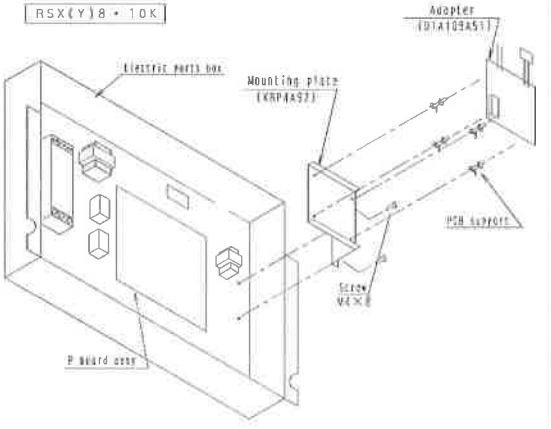


《Outdoor unit》

RSX(Y)5K



RSX(Y)8・10K

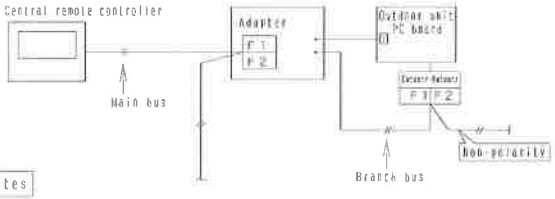


❹ Electric wiring work

(1) Connect the wire from the adapter to the adapter power connector on the outdoor unit's PC board.
(For connector Nos., see the electric wiring diagrams for the indoor and function units.)

(2) Connect transmission wires between outdoor units (Outdoor-Outdoor terminal board).

(3) Wire transmission wires to terminal boards as shown below.



Notes

(Transmission wiring specifications)
- 0.75～1.25mm² sheathed wire (2 wire).

(Transmission wiring length)
- Observe the following limits on transmission wires. The limits apply to each adapter. If you exceed the limits, it may cause malfunction.
  (Total length : 2000m
  Max. length…1000m
  Max. number of branches : 16)
- At least one outdoor unit and one optional controller for centralized control are required for every main bus and branch bus.
- Up to 8 adapters can be connected in one system.
- Do not locate adapters downstream of other adapters(i.e. : on a branch bus).
- If not used with a central control device, the expander adapter cannot be used with the wiring adapter for electrical appendices(KRP2A) or the schedule timer(DST301B51).
- The external control adapter for outdoor units controls group cooling and demand for each adapter. (Anything beyond the expansion control falls outside the control domain.)
- Do not turn the system ON/OFF rapidly from the optional controller for centralized control. This can cause temporary erroneous displays.
- Sequential starts is controlled by each expander adapter.

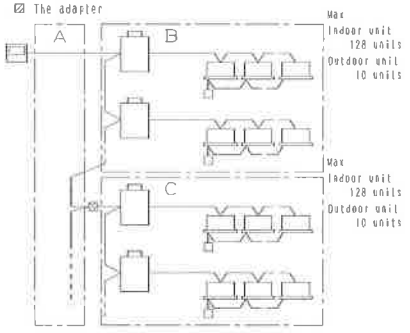
❶ General description of system

The adapter allows easy system expansion as long as restrictions are observed.

1. The below systems can be controlled on the Super Wiring System when using the adapter.

(1) Up to 1024 units can be centrally controlled in 64 different groups. (With 2 central remote controllers, up to 1024 units can be controlled in 128 groups.)
Restrictions on the number of units that can be connected to the Super Wiring System apply to each adapter.

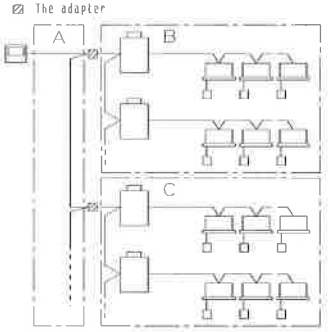
☑ The adapter



A maximum of 128 indoor units and 10 outdoor units can be connected in each group B and C.

(2) Wiring restrictions (max. length : 1000m, total wiring length : 2000m, max. number of branches : 16) apply to each adapter.

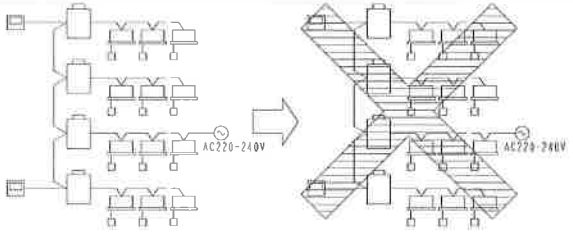
☑ The adapter



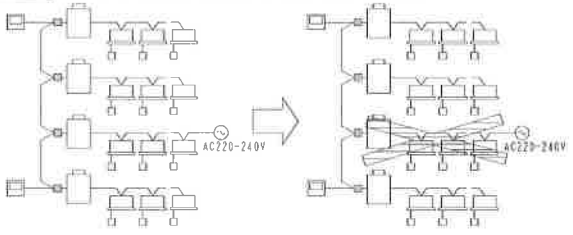
Each group A, B and C can have a maximum wiring length of 1000m, total wiring length of 2000m and a maximum 16 branches.

(3) Setups risky for centralized control systems are possible.

Conventional System Misswiring such as apply 220-240V to circuits could possibly shut down the entire system.

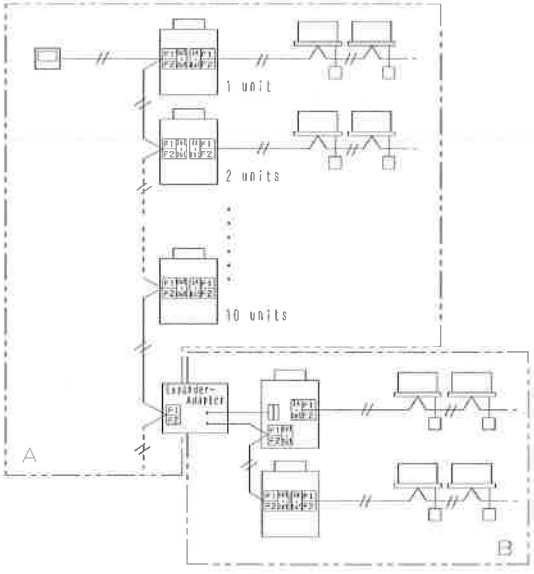


With the adapter Should trouble occur, only units below the adapter are shut down. Thus, it is possible to avoid a total system shutdown.



❺ Wiring example

System with more than 10 outdoor units.



Note Wiring restrictions (see "Electric wiring work") apply to each group A and B.