

Electrical Wiring; General Precautions On Wiring; Recommended Wire Length And Wire Diameter For Power Supply System - Sanyo XM18AAB Installation Instructions Manual

W-2way system air conditioner

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4. ELECTRICAL WIRING

4-1. General Precautions on Wiring

(1) Before wiring, confirm the rated voltage of the unit as shown on its nameplate, then carry out the wiring closely following the wiring diagram.

(2) Provide a power outlet to be used exclusively for each unit, and a power supply disconnect and circuit breaker for overcurrent protection should be provided in the exclusive line.

(3) To prevent possible hazards from insulation failure, the unit must be grounded.

(4) Each wiring connection must be done in accordance with the wiring system diagram. Wrong wiring may cause the unit to misoperate or become damaged.

(5) Do not allow wiring to touch the refrigerant tubing, compressor, or any moving parts of the fan.

(6) Unauthorized changes in the internal wiring can be very dangerous. The manufacturer will accept no responsibility for any damage or misoperation that occurs as a result of such unauthorized changes.

4-2. Recommended Wire Length and Wire Diameter for Power Supply System

Outdoor unit

Type

CHDX07263

CHDXR07263

CHDX09663

CHDXR09663

Indoor unit

Type

K

A, X, XM, U, UM, T, F, FM

D

Control wiring

(A) Inter-unit (between outdoor and indoor units) control wiring*

AWG #18 (0.75 mm

Max. 3,280 ft.

* With ring-type wire terminal.

Time delay fuse or circuit capacity

40 A

45 A

Time delay fuse or circuit capacity

10 - 16 A

10 - 16 A

10 - 16 A

(B) Remote control wiring

2

)

AWG #18 (0.75 mm

Max. 1,640 ft.

(7) Regulations on wire diameters differ from locality to locality. For field wiring rules, please refer to your LOCAL ELECTRICAL CODES before beginning.

You must ensure that installation complies with all relevant rules and regulations.

(8) To prevent malfunction of the air conditioner caused by electrical noise, care must be taken when wiring as follows.

● The remote control wiring and the inter-unit control wiring should be wired apart from the inter-unit power wiring.

● Use shielded wires for inter-unit control wiring between units and ground the shield on both sides.

(9) If the power supply cord of this appliance is damaged, it must be replaced by a repair shop appointed by the

manufacturer, because special purpose tools are required.

(C) Control wiring for group control

2
)

AWG #18 (0.75 mm)

(D) Inter-outdoor unit control wiring

AWG #18 (0.75 mm)

24

2
)

Max. 650 ft. (Total)

2
)

Max. 980 ft.

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