



# Electrical Wiring - Sanyo KH2442 / CH2442 Service Manual

Split system air conditioner



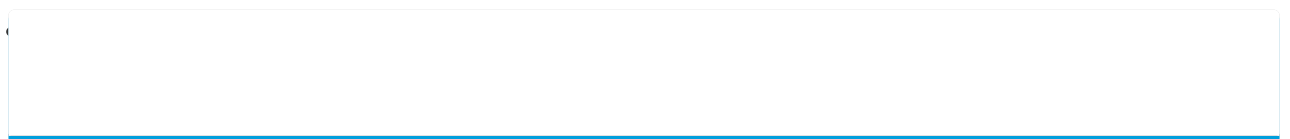
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## ELECTRICAL WIRING

### 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.

### Recommended Wire Length and Wire Diameter for Power Supply System

Must follow LOCAL ELECTRICAL CODES for wiring.

Outdoor Unit

(A) Power Supply

Model Name

CH2442

Max. length 69 ft.

CH3642

Max. length 69 ft.

CH4242

Max. length 67 ft.

Outdoor Unit

(A) Power Supply

4

Max. length 330 ft.

Control Wiring

(C) Inter-Unit Control Wiring

AWG #18 (0.5 mm)

Use high voltage wire (300 V)

Max. 3,300 ft.

NOTE

\*

1

With ring type wire terminal.

2

\*

Wire joint connection.

Trade size

of Conduit

AWG #12

3/4 in.






I - 104

## 1. Specifications

\* AWG = American Wire Gauge

AWG #6

AWG #6

AWG #6

AWG #10

(E) Control Wiring For Group Control

2

AWG #18\*

(0.75 mm

Max. 1,650 ft. (Total)

Trade size

of Conduit

1-1/4 in.

1-1/4 in.

1-1/4 in.

Trade size

of Conduit

3/4 in.

2

)

SM830082

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## Related Manuals for Sanyo KH2442 / CH2442

[Air Conditioner Sanyo CH2442 Installation Instructions Manual](#)

Split system heat pump air conditioner (94 pages)

[Air Conditioner Sanyo RCS-SH80UA Instruction Manual](#)

Split system air conditioner (64 pages)

[Air Conditioner Sanyo 26K72R Dimensional Data](#)

Wall mounted type outdoor/indoor unit (1 page)

[Air Conditioner Sanyo C4272R S/C Installation Instructions Manual](#)

Sanyo split system heat pump air conditioner installation instructions (111 pages)

[Air Conditioner Sanyo C4272R Service Manual](#)

Sanyo split system air conditioner service manual (181 pages)

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Split system air conditioner (48 pages)

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[Air Conditioner Sanyo CHDZ07263 Service Manual](#)

(128 pages)

[Air Conditioner Sanyo Mini ECO-i 85464359981002 Installation Instructions Manual](#)

Sanyo air conditioner installation instructions (90 pages)

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Split system air conditioner (98 pages)

[Air Conditioner Sanyo KHS1822 Service Manual](#)

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Split system air conditioner (94 pages)

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Indoor/outdoor unit inverter split system air conditioner (25 pages)

[Air Conditioner Sanyo 09KHS71 Instruction Manual](#)

Inverter-controlled split system air conditioner (50 pages)

[Air Conditioner Sanyo COOL/HEAT Installation Instructions Manual](#)

Split system air conditioner (20 pages)

[Air Conditioner Sanyo KHS1232 Technical Data Manual](#)

(24 pages)

## Related Content for Sanyo KH2442 / CH2442

[SA-128S5-A Electrical Wiring Diagrams](#)

Sanyo SA-128S5-A

[SPW-C256VH Electrical Wiring](#)

Sanyo SPW-C256VH

[Big PACi 18 Series Electrical Wiring](#)

Sanyo Big PACi 18 Series

[SPW-C0705DZH8 Electrical Wiring](#)

Sanyo SPW-C0705DZH8

[SGP-EW120M2G2W Electrical Wiring System Diagram](#)

Sanyo SGP-EW120M2G2W

[SPW-X483GH56 Electrical Wiring](#)

Sanyo SPW-X483GH56

[26 series Electrical Wiring](#)

Sanyo 26 series

[SPW-C1155DXHN8 Electrical Wiring](#)

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This manual is also suitable for:

[Th4242Uh2442Kh3642Uh3642Xh2442Xh3642](#) ... [Show all](#)