

Wiring Instructions; General
Precautions On Wiring;
Recommended Wire Length And
Diameter - Sanyo SAP-CMRV3656EH
Technical & Service Manual

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68

69

70



•

[Table of Contents](#)

-

Troubleshooting

•

Bookmarks



5. Wiring Instructions

5-1. 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, with a power supply disconnect and leakage

breaker/fuse link for overcurrent protection provided in the exclusive line.

(3) To prevent possible hazard due to insulation failure, the unit must be grounded.

(4) Each wiring connection must be done tightly and 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.

5-2. Recommended Wire Length and Diameter

Regulations on wiring diameter differ from locality to locality. For field wiring requirements, please refer to your local electrical codes. Carefully observe these regulations when carrying out the installation. Table 6 shows maximum wire lengths for control line and power line and fuse or circuit capacity.

Refer to the wiring system diagram (Fig. 25) for the meaning of (A), (B) and (C) in Table 6.

Table 6

Cross-Sectional

Area (mm²)

Model

CMRV3656

G

Be sure to comply with local codes on running the wire from the indoor unit to the outdoor unit (size of wire and wiring method, etc.).

G

Each wire must be firmly connected.

G

No wire should be allowed to touch refrigerant tubing, the compressor, or any moving part.

G

Be sure to connect power wires correctly matching up numbers on terminals of the outdoor unit and respective indoor units A - E.

CAUTION

G

Be sure to connect the power supply line to the outdoor unit as shown in the wiring diagram. The indoor unit draws its power from the outdoor unit.

G

Do not run wiring for antenna, signal, or power lines of television, radio, stereo, telephone, security system, or intercom any closer than 1 meter from the power cable and wires between the indoor and outdoor units. Electrical noise may affect the operation.

Max. Power Line Length (m)

(A)

3.5

26

Max. Control Line Length (m)

(B) (C)


1.0

30

G

To avoid the risk of electric shock, each air

ManualsLib.com

		
---	--	--



conditioner unit must be grounded.

G

**For the installation of a grounding device,
please observe local electrical codes.**

G

**Grounding is necessary, especially for units
using inverter circuits, in order to release
charged electricity and electrical noise
caused by high tension.**

Otherwise, electrical shock may occur.

G

**Place a dedicated ground more than 2 meters
away from other grounds and do not have it
shared with other electric appliances.**

15

Fuse

or

Circuit Capacity

25 A

[Table of Contents](#)

[Previous Page](#)
[Next Page](#)

1
...
54
55
56
57
58
59
60
61

Quick Links:

[Unit Specifications](#)

[Specifications 2-1. Unit Specifications](#)

[Self-Diagnostics](#)

Chapters

[Table of Contents](#) 3

[For Outdoor Unit Installation Instructions](#) 43

Related Manuals for Sanyo SAP-CMRV3656EH

[Air Conditioner Sanyo SAP-CMRV1424EH Technical & Service Manual](#)

Dc inverter multi-system air conditioner (114 pages)

[Air Conditioner Sanyo SAP-KRV94EHDX Technical & Service Manual](#)

Dc inverter split system air conditioner (85 pages)

[Air Conditioner Sanyo SAP-CRV93EHN Technical & Service Manual](#)

Dc inverter split system air conditioner (77 pages)

[Air Conditioner Sanyo SAP-KRV96EH Technical & Service Manual](#)

Dc inverter split system air conditioner (65 pages)

[Air Conditioner Sanyo SAP-KRV96EHDS Technical & Service Manual](#)

Dc inverter split system air conditioner (77 pages)

[Air Conditioner Sanyo SAP-CMRV1426EH Technical & Service Manual](#)

(148 pages)

[Air Conditioner Sanyo SAP-KMRV74EH Installation Instructions Manual](#)

Inverter multi split system air conditioner (28 pages)

[Air Conditioner Sanyo SAP-K91GJA \(?\) Technical & Service Manual](#)

Multi-split system air conditioner (50 pages)

[Air Conditioner Sanyo SAP-CMRV1923GJH Technical & Service Manual](#)

(52 pages)

[Air Conditioner Sanyo SAP-KRV91EH Technical & Service Manual](#)

Inverter split system air conditioner (82 pages)

[Air Conditioner Sanyo SAP - K92AH Technical & Service Manual](#)

(52 pages)

[Air Conditioner Sanyo SAP-CMRV3143GJ Technical & Service Manual](#)

Dc inverter multi-system air conditioner (39 pages)

[Air Conditioner Sanyo SAP-KR165QS5 Installation Instructions Manual](#)

Split system (54 pages)

[Air Conditioner Sanyo SAP-KM97AHA Technical & Service Manual](#)

Multi-split system air conditioner (50 pages)

[Air Conditioner Sanyo SAP-CMR2428E Technical & Service Manual](#)

Multi-split system air conditioner (29 pages)

[Air Conditioner Sanyo SAP-K71GH Technical & Service Manual](#)

(75 pages)

Related Content for Sanyo SAP-CMRV3656EH

[KHS0951 Wiring Instructions](#)

Sanyo KHS0951

[SAP-KRV9AEH Wiring Instructions For The Outdoor Unit](#)

Sanyo SAP-KRV9AEH

[SAP-KRV9AEH Wiring Instructions For The Outdoor Unit](#)

Sanyo SAP-KRV9AEH

[SAP-KMRV74EH Wiring Instructions](#)

Sanyo SAP-KMRV74EH

[26 series Wiring Instructions](#)

Sanyo 26 series

[COOL Wiring Instructions](#)

Sanyo COOL

[SAP-CMRV1424EH Wiring Instructions](#)

Sanyo SAP-CMRV1424EH

[KS3082 Wiring Instructions](#)

Sanyo KS3082