



Sanyo SAP-K9AP Instruction Manual

Split system air conditioner

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

Table Of Contents

18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37

•

[Table of Contents](#)

-

Troubleshooting

•

Bookmarks

Quick Links

[1 Features](#)

[2 Table of Contents](#)

[3 Notices for Operation](#)

[4 Names and Functions of each Part](#)

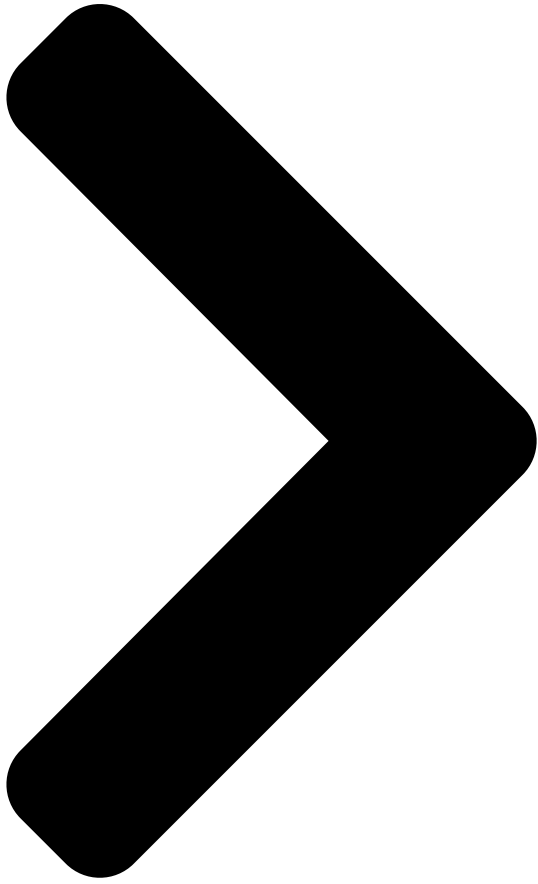
[5 Operation of Wireless Remote Control Unit](#)

[6 Clean and Care](#)

[7 Troubleshooting](#)

[8 Error Codes](#)

[Download this manual](#)



FIRST MADE FOR
MATERIAL OR MODEL
DIMENSION OR MAKER
COLOR
N
O
APPROVALS
N.Yamazaki
2010/Feb/1
CHECK
Tai C.S
2010/Feb/1

DESIGN

Tai C S

2010/Feb/1

DRAWN
REMARKS:

INSTRUCTION MANUAL

T
E
A
P
P
R
O

SAMS ONLY

SAP-KC9,12,18,25,30AP

*PAPER-JO

WOODFREE 80gm

BLACK Print

A
4
S
Z
I
E
1

V
A
L
S
D
A
T
E

PART CODE

85S-6-4181-007-00-0

PART NAME

EXPLANATORY BOOKLET

R
E
V
I
S
I
O
N
S
R
N.
O

--

ManualsLib.com

	△		
	△		
	△		
	△		

Table of Contents

[Next Page](#)

1
2
3
4
5

Related Manuals for Sanyo SAP-K9AP

[Air Conditioner Sanyo SAP-K77RAX Technical & Service Manual](#)

Split system air conditioner (68 pages)

[Air Conditioner Sanyo SAP-K91GJA \(?2\) Technical & Service Manual](#)

Multi-split system air conditioner (50 pages)

[Air Conditioner Sanyo SAP-K91AHA Technical & Service Manual](#)

(78 pages)

[Air Conditioner Sanyo SAP-K92A Technical & Service Manual](#)

Split system air conditioner (58 pages)

[Air Conditioner Sanyo SAP-K92A Technical & Service Manual](#)

Multi-split system (39 pages)

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

(52 pages)

[Air Conditioner Sanyo SAP-K91AA-S Technical & Service Manual](#)

Multi-split system (40 pages)

[Air Conditioner Sanyo SAP-K91AA Technical & Service Manual](#)

(66 pages)

[Air Conditioner Sanyo SAP-K91A Technical & Service Manual](#)

Multi-split system air conditioner (62 pages)

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

Multi-split system air conditioner (50 pages)

[Air Conditioner Sanyo SAP-K71GJA Technical & Service Manual](#)

Split system air conditioner (81 pages)

[Air Conditioner Sanyo SAP-K77GHAX Technical & Service Manual](#)

(164 pages)

[Air Conditioner Sanyo SAP-K71GJHA Technical & Service Manual](#)

(86 pages)

[Air Conditioner Sanyo SAP-K71GJA-S Technical & Service Manual](#)

(81 pages)

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

(75 pages)

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

Dc inverter split system air conditioner (77 pages)

Summary of Contents for Sanyo SAP-K9AP

[Page 1](#) INSTRUCTION MANUAL FIRST MADE FOR SAP-KC9,12,18,25,30AP MATERIAL OR MODEL *PAPER-JO DIMENSION OR MAKER WOODFREE 80gm COLOR BLACK Print APPROVALS N.Yamazaki 2010/Feb/1 CHECK Tai C.S 2010/Feb/1 DESIGN Tai C S 2010/Feb/1 DRAWN PART CODE REMARKS: 85S-6-4181-007-00-0 SAMS ONLY PART NAME EXPLANATORY BOOKLET...

[Page 2](#) INSTRUCTION MANUAL Split System Air Conditioner INDOOR UNIT OUTDOOR UNIT COOL / DRY MODEL SAP-K9AP SAP-C9AP SAP-K12AP SAP-C12AP SAP-K18AP SAP-C18AP SAP-K25AP SAP-C25AP SAP-K30AP SAP-C30AP Save These Instructions! Pub. OI-85S64181007000 © SANYO 2010 SANYO Electric Co., Ltd.

[Page 3: Features](#)

Instruction Manual Features Features This air conditioner is equipped with cooling and drying functions. Details on these functions are provided below; refer to these descriptions when using the air conditioner. 24-hour Clock with ON/OFF Automatic Fan Operation Program Timer Convenient microprocessor control The remote control unit allows you automatically adjusts fan speed to to set a wide variety of timer-based...

[Page 4: Table Of Contents](#)

____ Date of purchase _____ Dealer's address
____ Phone number _____ Thank you for choosing
SANYO air conditioner, please read this instruction manual carefully before operating the unit and keep it carefully for consultation. Alert Symbols The following symbols used in this manual, alert you to...

[Page 5: Operation And Maintenance](#)

The wrong repair will lead to an each wire to the gas pipe,water electric shock or fire, so you pipe, drainage pipe or any other should contact the SANYO It can help to preclude the improper places. service center for repair.

[Page 6](#) Operation and Maintenance 1. NOTICES FOR OPERATION Do not use the air conditioner for other Do not place a space heater near the air purposes,such as drying clothes, conditioner. CO toxicosis may occur as preserving foods, etc. a result of incomplete burning. Do not insert your hands or stick into Do not blow the wind to animals and the air intake or outlet vents.

[Page 7: Notices For User](#)

Operation and Maintenance 2. NOTICES FOR USER 2.1 Working Principle & Principle: Air conditioner absorbs heat in the room and transmit to Special Functions outdoor and discharged, so that indoor ambient for Cooling temperature decreased. It's cooling capacity will decrease by the increase of outdoor ambient temperature.

[Page 8: Names And Functions Of Each Part](#)

Operation and Maintenance 3. NAMES AND FUCTIONS OF EACH PART Indoor Unit Air intake Back side of part (4) Air outlet (6) (7) The pattern in displayer: Wireless remote control ☐Cool ☐Dry ☐Fan ☐Run ☐Set temp. S/n Part Name Power cable Outdoor Unit Remote control Front Panel...

[Page 9: Operation Of Wireless Remote Control Unit](#)

Operation and Maintenance 4. OPERATION OF WIRELESS REMOTE CONTROL UNIT 4.1 Remote Control Unit (Display) Displayed when transmitting data Displayed when setting temperature Displayed the clock Displayed when setting timer Symbols (1) Operation mode (4) Timer 24-hour ON Timer ..AUTO

[Page 10](#) Operation and Maintenance 4. OPERATION OF WIRELESS REMOTE CONTROL UNIT 4.2 Remote Control Unit (Functions) Signal Transmitter Display ON/OFF operation button MODE operation button TEMP. setting button TEMP button FAN SPEED Selector button SWING button CLOCK button TIMER ON button BLOW button TIMER OFF button TURBO button...

[Page 11](#) Operation and Maintenance 4. OPERATION OF WIRELESS REMOTE CONTROL UNIT 4.2 Remote Control Unit Functions (Continued) FAN SPEED selector AUTO : The air conditioner automatically decides the fan speeds. button : Low fan speed. : Medium fan speed. : High fan speed. AUTO TEMP button Press to see set temperature or indoor temperature which show on...

[Page 12](#) Operation and Maintenance 4. OPERATION OF WIRELESS REMOTE CONTROL UNIT 4.3 Using the General Operation STEP 1 STEP 2 STEP 3 STEP 4 STEP 5 NOTE Press the setting buttons as described below and change the settings as desired. STEP 1 To start the air conditioner, press the ON/OFF operation button.

[Page 13](#) Operation and Maintenance 4. OPERATION OF WIRELESS REMOTE CONTROL UNIT 4.4 Using the 24-Hour "ON" or "OFF" Timer 4.4.1TIMER ON mode After the length of time set for TIMER ON elapses, the unit begins operating. (Example) The display depicted at left indicates that the air conditioner will begin operating in 10 hours.

[Page 14](#) Operation and Maintenance 4. OPERATION OF WIRELESS REMOTE CONTROL UNIT 4.5 Using the SLEEP Operation SLEEP Mode is used for saving energy. In Cooling and DRY Mode : (Press the SLEEP button while operation. mark appears in the display. To release the SLEEP function, press the SLEEP button again.

[Page 15](#) Operation and Maintenance 4. OPERATION OF WIRELESS REMOTE CONTROL UNIT 4.6 Using of the "Special" Features (Continued) During "COOL" mode, if start this function, the unit will run at "TURBO" super-high fan speed to cool quickly so that the ambient temp. Operation How it works? approaches the preset temp.

[Page 16: How To Install Batteries](#)

Operation and Maintenance 4. OPERATION OF WIRELESS REMOTE CONTROL UNIT 4.7 How to Install Batteries 1. Slightly to press the place with , along the arrowhead direction to push the back cover of wireless remote control. (Fig. 1) 2. Take out the old batteries. (Fig. 1) 3.

[Page 17: Clean And Care](#)

Operation and Maintenance 5. CLEAN AND CARE CAUTION 1. For safety, be sure to turn the air conditioner off and also disconnect the power before cleaning. Or it may cause electric shock. 2. Never sprinkle water on the indoor unit and the outdoor unit for cleaning because it can cause an electric shock.

[Page 18](#) Operation and Maintenance 5. CLEAN AND CARE 5.2 Cleaning the Air Filters (Continued) 1. Take Down the Air Filters Pull out the panel to an angle at bottom grooves on panel. And, pull the air filter upward then downward to take it off. (Fig. 7). 2.

[Page 19: Troubleshooting](#)

Solution : Clean the air filters (see Pg.15). If the problem still has, the unit required servicing. Hence, please contact with SANYO authorized maintenance center. Sound of water flow can be heard during Sometimes there is swoosh, or gurgle while operation.

[Page 20](#) Operation and Maintenance 6. TROUBLESHOOTING The unit can not operate. • Has the power been shut down? • Is the power plug loosed? • Is voltage too high or too low? (tested by professional) • Has the TIMER ON function been well operated? Breaking off Cooling(Heating) efficiency is not good.

[Page 21: Installation Service](#)

3. When removing the unit to the other place, please firstly contact with the authorized SANYO Maintenance Center in the local area. 7.1 Basic Requirements Install in the following place may cause malfunction. If it...

[Page 22: Outdoor Unit](#)

Installation Service 7. NOTICES FOR INSTALLATION 7.3 Outdoor Unit 6. Make sure that the outdoor unit installation dimension should accord with installation dimension diagram, Installation Position convenient for maintenance, repair. (See Pg.21) Selection 7. The height difference of connecting the tubing & the max. (Continued) length of connecting tubing refer to Pg.31, Table 4.

[Page 23: Installation Dimension Diagram](#)

Installation Service 8. INSTALLATION DIENSON DIAGRAM Space to the ceiling 15cm Above Space to the wall 15cm Above 15cm Above Space to the wall 300cm Above Above Air outlet side Space to the floor • The dimensions of the space necessary for correct installation of the appliance including the minimum permissible distances to adjacent structures.

[Page 24: Install Indoor Unit](#)

Installation Service 9. INSTALL INDOOR UNIT 9.1 Install the Rear Panel Model: K30AP 1. Always mount the rear panel horizontally. Wall Mark on the Wall Gradienter middle of it Due to the water tray of indoor unit has been Space Space to the to the...

[Page 25](#) Installation Service 9. INSTALL INDOOR UNIT 9.4 Connect Indoor and Outdoor Electric Wire 1. The power wire and power connection wire are Power Supply Wire supplied in factory in a fixed length. (Fig.15,16,17) (Fixed in unit 1.6m) WARNING To avoid the risk of fire hazard, do

consult your local dealer if additional wire length is required.

[Page 26: Indoor Unit](#)

Installation Service 9. INSTALL INDOOR UNIT 9.4.2 Wire Length and Diameter Regulations on wiring diameter differ from locality. For field wiring requirements, please refer to local electrical codes. Carefully observe these regulations when carrying out the installation. Table 1 lists the recommended and max. allowable wire lengths and diameters for the power supply system.

[Page 27: How To Install The Indoor Unit](#)

Installation Service 9. INSTALL INDOOR UNIT 9.5 How to Install the Indoor Unit For tubing, choose either the left side or right side direction. Tailing 2 Tailing 1 1. When routing the piping and wiring from the left or right side of indoor unit, cut off the Fig.20 tailing from the chassis if necessary.

[Page 28: Install Outdoor Unit](#)

Installation Service 10. INSTALL OUTDOOR UNIT 10.1 Wiring Instructions for the Outdoor Unit Regulations on wire size differ from locality. Handle For field wiring requirements, please refer to your local electrical codes. Make sure that the installation fully complies with all local and national regulations.

[Page 29: Refrigerant Tubing](#)

Installation Service 10. INSTALL OUTDOOR UNIT 10.2 Refrigerant Tubing Deburring 10.2.1 Use of The Flaring Method Before After Many of the conventional split system air conditioners employ the flaring method to connect refrigerant tubes which run between indoor and outdoor units. In this method, the copper tubes are flared at each end and connected with flares nuts.

[Page 30](#) Installation Service 10. INSTALL OUTDOOR UNIT 10.2.4 Connecting Tubing between Indoor and Torque wrench Outdoor Units • Tightly connect the indoor side refrigerant tubing extended from the wall with the outdoor Spanner side tubing. (Fig. 30) Indoor unit • To fasten the flare nuts, apply specified torque as table 2: Outdoor unit Table 2...

[Page 31: Air Purging](#)

Installation Service 10. INSTALL OUTDOOR UNIT 10.3 Air Purging Air and moisture remaining in the refrigerant Indoor unit system have undesirable effects as indicated below. Therefore, they must be purged completely. • Pressure in the system rises • Operating current rises •...

[Page 32](#) Installation Service 10. INSTALL OUTDOOR UNIT 10.3 Air Purging - (Continued) 5. With the vacuum pump still running, close the "Low" knob of the manifold valve. Then 90 (1/4 turn) Narrow tube stop the vacuum pump. 6. With the accessory hex wrench, turn the Hex wrench valve stem on the narrow tube service valve counter-clockwise by 90 degrees (1/4 turn)

[Page 33: Tubing Length](#)

Installation Service 10. INSTALL OUTDOOR UNIT 10.4 Tubing Length Install unit within the maximum elevation Tubing length (L) INDOOR different (H) above or below the outdoor UNIT unit and within a total tubing length (L) from the outdoor unit as detailed showed in Table 4 and Fig.37.

[Page 34: Pump Down](#)

Installation Service 11. PUMP DOWN 11.1 What is Pump Down? Pump down means collecting all refrigerant gas in system back into the outdoor unit without losing any of gas. Pump down is used when the unit is to be moved or before serving the Indoor unit refrigerant circuit.

[Page 35: Check After Installation And Test Operation](#)

Installation Service 12. CHECK AFTER INSTALLATION AND TEST RUN 12.1 Check After Installation Check the items listed in below table after installation of air conditioner. Items to be checked Possible malfunction • Has it been fixed firmly? • The unit may drop, shake or emit noise. •...

[Page 36: Self Diagnosis Function](#)

Installation Service 13. SELF DIAGNOSIS FUNCTION 13.1 What is self diagnosis function? When the problem detected in the air conditioner, the operation stops and LED indicator lamps on the

indoor unit will display the error code (Fig. 42). Kindly refer Table 6a,b for the meanings of error code and indications for each models. Fig.

[Page 37](#) SANYO Electric Co.,Ltd...

This manual is also suitable for:

[Sap-k12apSap-c12apSap-k18apSap-c18apSap-k25apSap-c25ap](#) ... [Show all](#)