

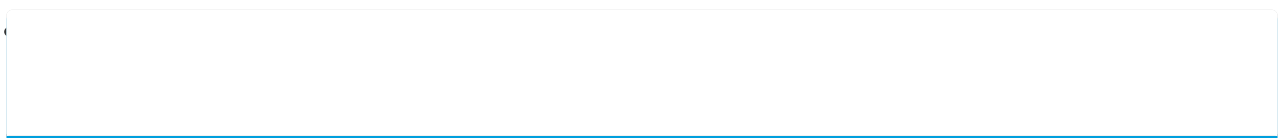
4-Way Valve, Solenoid Control; (A) Normal Control Mode - Sanyo SPW- X253GH56 Service Manual

Split system

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2-11 4-Way Valve, Solenoid Control

The basic function of the 4-way valve is to direct the refrigerant in the correct direction according to the Operation Mode (COOLING or HEATING) selected.

The following two charts show conditions of the controls and functions listed in the left hand column when the solenoid is ON or OFF. Chart (A) on this page shows the relationships when the temperature control is in NORMAL mode, and Chart (B) on the next page shows the relationships when the remote controller is set to AUTO mode.

(A) Normal Control Mode

POWER SOURCE
OFF
OPERATION
BUTTON

COOL
 MODE
 BUTTON HEAT
 COMPRESSOR
 SOLENOID COIL

OFF
 (4-WAY VALVE)
 1 . . . More than 5 minutes
 For the first 3 minutes after power is applied, the 4-way valve remains OFF and the compressor will not operate, even if the ON button is pushed.
 If the 4-way valve is turned OFF with the compressor operating, the air conditioner operates in COOLING mode. See Table below.
 If the 4-way valve is turned ON with the compressor operating, the air conditioner operates in HEATING mode. See Table below.

ON
 OFF
 HEAT
 2
 3 MINUTES
 TURN ON
 TURN OFF

ON
 OFF
 1
 ON

Chart Summary and Explanations

4-way valve
 Operation Mode
 solenoid

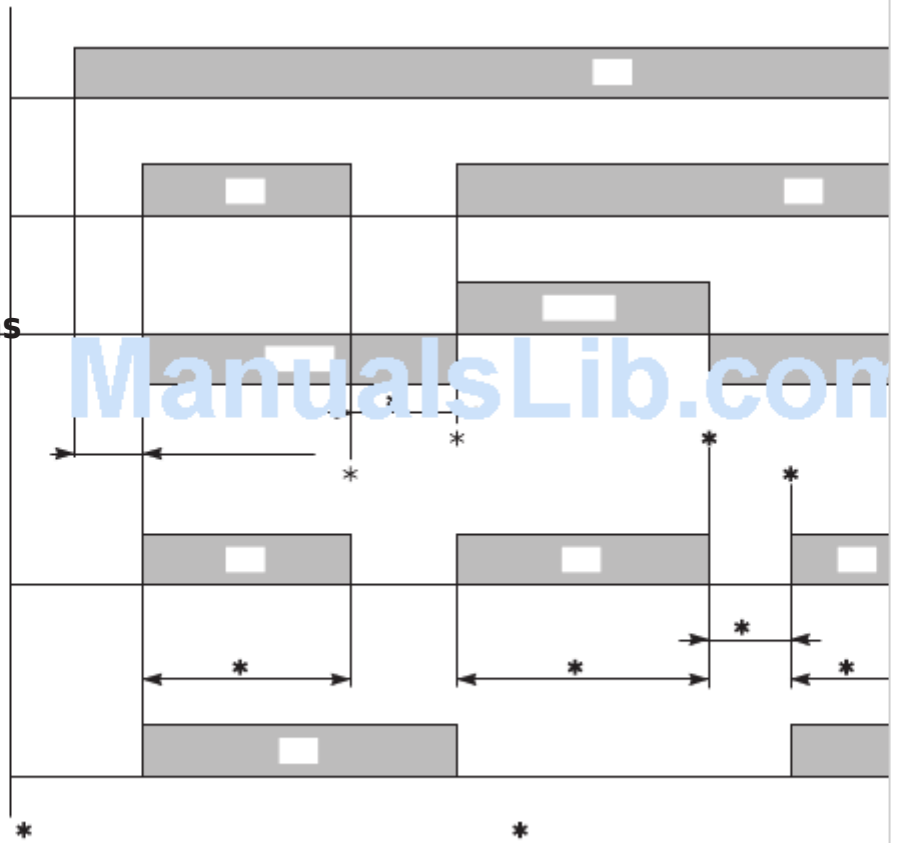
COOLING
 OFF
 HEATING
 ON

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2. Processes and functions

ON
 ON
 COOL
 THERMO OFF
 THERMO
 ON
 ON
 OFF
 ON
 2
 1
 1
 OFF
 2 . . . More than 3 minutes
 Compressor

ON
 HEAT
 THERMO OFF
 THERMO
 ON
 OFF
 ON
 2
 1
 ON



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Troubleshooting

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[General Troubleshooting Flow Chart: Diagnosis and Remedy 60](#)

Related Manuals for Sanyo SPW-X253GH56

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Eco multi system air conditioner (91 pages)

[Air Conditioner Sanyo SPW-U253GH56 Service Manual](#)

Split system air conditioner (108 pages)

[Air Conditioner Sanyo SPW-D253GH56 Service Manual](#)

Split system (108 pages)

[Air Conditioner Sanyo SPW-T253GH56 Service Manual](#)

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4-way air discharge semi-concealed wall-mounted ceiling-mounted concealed-duct (517 pages)

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Sanyo SPW-C483GYH8

[Mini ECO-i CHXR03652 Way Valve Failure \[L18\]](#)

Sanyo Mini ECO-i CHXR03652

[2-WAY ECO-i SPW-C0705DXHN8 Replacing 4-Way Valve](#)

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Sanyo SAP-CMRV1923GJH

[KHS3632 / CH3632 4-Way Valve, Solenoid Control](#)

Sanyo KHS3632 / CH3632

This manual is also suitable for:

[Spw-c253gh5Spw-c253gh8Spw-x363gh56Spw-c363gh8Spw-x483gh56Spw-c483gh8](#)