



# Discharge Temperature Control (Cooling And Heating); Auto. Mode For Automatic Heating/Cooling Switching - Sanyo SPW-X253GH56 Service Manual

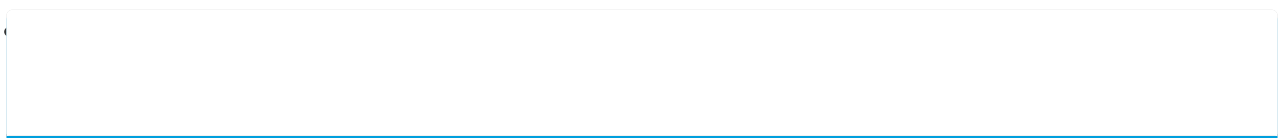
Split system



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Troubleshooting



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## Bookmarks





## 2-8 Discharge Temperature Control (Cooling and Heating)

This function prevents the compressor motor from burnout by overheating.

DISCHARGE GAS  
TEMP. (°C)  
THE TEMPERATURES  
IN THE PARENTHESIS  
IS FOR 48 TYPE.  
OUTDOOR  
FAN SPEED  
COMPRESSOR

ELECTRONIC REF.  
CONTROL VALVE  
(DISCHARGE TEMP.)

Discharge temperature is sensed by TH8 (discharge gas sensor).



When the temperature rises above 95 steps/30 seconds until the temperature falls below 93  
 During HEATING operation, when the temperature rises above 105 stops the outdoor fan motor until the temperature falls below 90°C. Please note that this control does not function during COOLING operation.

For both COOLING and HEATING modes, if the temperature reaches 115 type) the operation shuts down and alarm P3 appears on the remote controller.  
 The outdoor fan speed is controlled on discharge temp. at heating mode.

## 2-9 Auto. Mode for Automatic Heating/Cooling Switching

When the AUTO mode is selected, the microprocessor calculates the difference between the set temperature and the room temperature, and automatically switches to the COOLING or HEATING mode to maintain the desired temperature.

This means that if the room temperature is higher or equal to the set temperature, COOLING operation starts. If the room temperature is lower than the set temperature, HEATING operation starts.

- (135) 115
- (125) 105
- (115) 95
- (113) 93
- (110) 90
- (105) 85
- H OR M
- OPEN

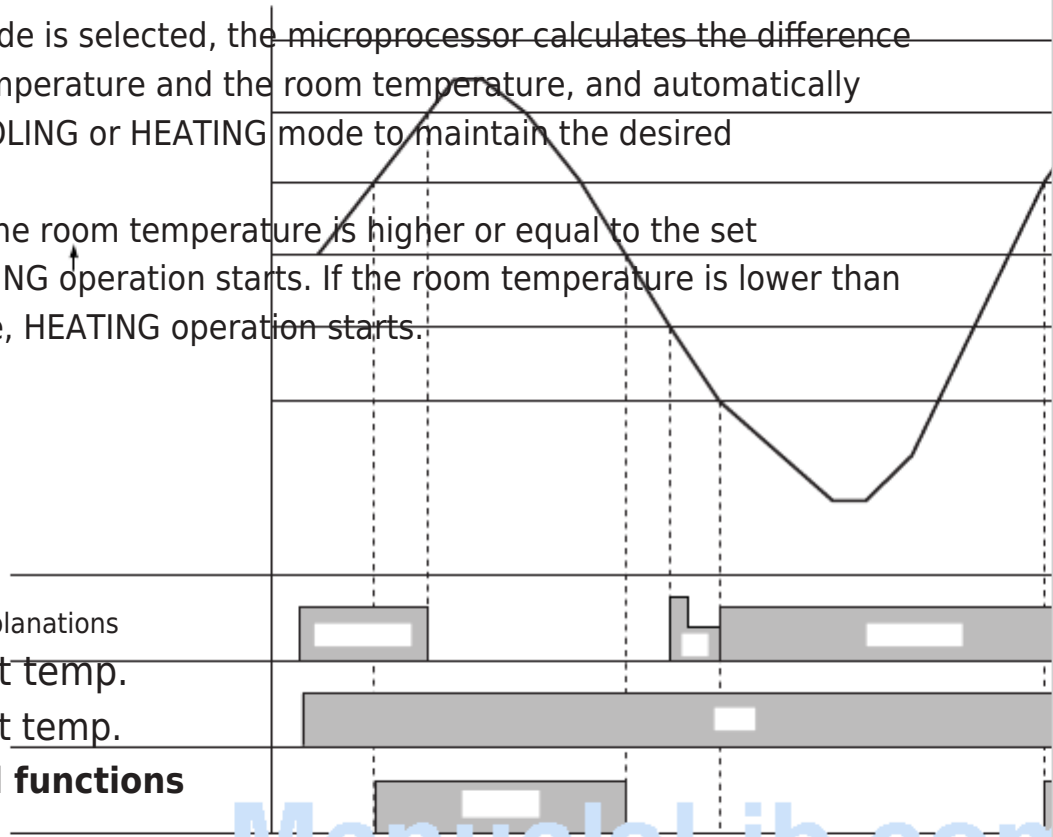
Chart Summary and Explanations

Temp. ] Set temp.

Temp. < Set temp.

States and functions

H OR M  
 M  
 ON



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C the electronic refrigerant control valve opens at 50

C.  
 COOLING  
 HEATING

- 34 -

OPEN  
 TRIP IS OPERATED.  
 0439\_M\_S

Fig. 11

C, the control circuit

C (135°C for 48  
 SM830033

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## Troubleshooting

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



## Related Manuals for Sanyo SPW-X253GH56

[Air Conditioner Sanyo SPW-X483GH56 Installation Instruction](#)

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](#)

Split system (106 pages)

[Air Conditioner Sanyo SPW-C256VH Technical Data & Service Manual](#)

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

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Big pack i dc inverter (275 pages)

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Split system (72 pages)

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(223 pages)

[Air Conditioner Sanyo 2-WAY ECO-i SPW-C0705DXHN8 Service Manual](#)

Multi system (143 pages)

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[Air Conditioner Sanyo SPW-CR1503GDYH8 Technical Data & Service Manual](#)

W-eco multi system series (377 pages)

## Related Content for Sanyo SPW-X253GH56

[ECO-i AHX0752 Automatic Control For Heating And Cooling](#)

Sanyo ECO-i AHX0752

[SPW-CR363GVH8 Discharge Temperature Control \(Only For U, D Type](#)

Sanyo SPW-CR363GVH8

[SAP-KV94GJ Compressor Discharge Temperature Control](#)

Sanyo SAP-KV94GJ

[SPW-CR1503GDYH8 Discharge Temperature Control \(Only For U, D Type\)](#)

Sanyo SPW-CR1503GDYH8

[SGP-EW120M2G2W Operating Temperature Ranges For Heating And Cooling](#)

Sanyo SGP-EW120M2G2W

[SPW-C1155DXHN8 Automatic Control For Heating And Cooling](#)

Sanyo SPW-C1155DXHN8

[SPW-C256VH Discharge Temperature Control](#)

Sanyo SPW-C256VH

[SPW-C0705DZH8 Automatic Control For Heating And Cooling](#)

Sanyo SPW-C0705DZH8

This manual is also suitable for:

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