



# Overload Protection (Heating) - Sanyo SPW-XR253GH56 Technical Data & Service Manual



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## Bookmarks



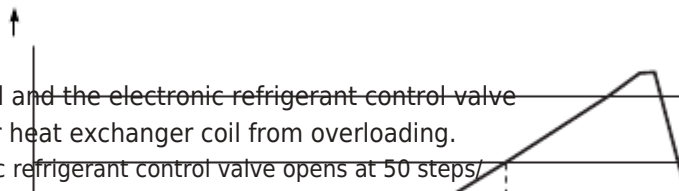


## 2-7 Overload Protection (Heating)

This function prevents the air conditioner from overloading.

(°C)  
64  
61  
60  
INDOOR UNIT COIL  
TEMP. (E2)  
59  
55  
53  
ELECTRONIC  
EXPANSION VALVE  
OUTDOOR FM

This chart shows how the outdoor fan speed and the electronic refrigerant control valve react to coil temperature to keep the indoor heat exchanger coil from overloading. When sensor E2 rises above 60°C the electronic refrigerant control valve opens at 50 steps/



30 seconds until E2 falls below 59°C.

Sensor E2 is located in the middle of the indoor unit heat exchange unit.

When sensor E2 rises above 62°C, the control circuit stops the outdoor fan motor till the temp. drops to 55°C

Fuzzy control controls the electronic refrigerant control valve.

OVERLOAD

PROTECTION

OVERLOAD PROTECTION

FUZZY CONTROL

OPEN

H or M

Chart Explanations and notes

II - 9

## 2. Processes and functions

FUZZY CONTROL

OPEN

START UP

COMPENSATION

H

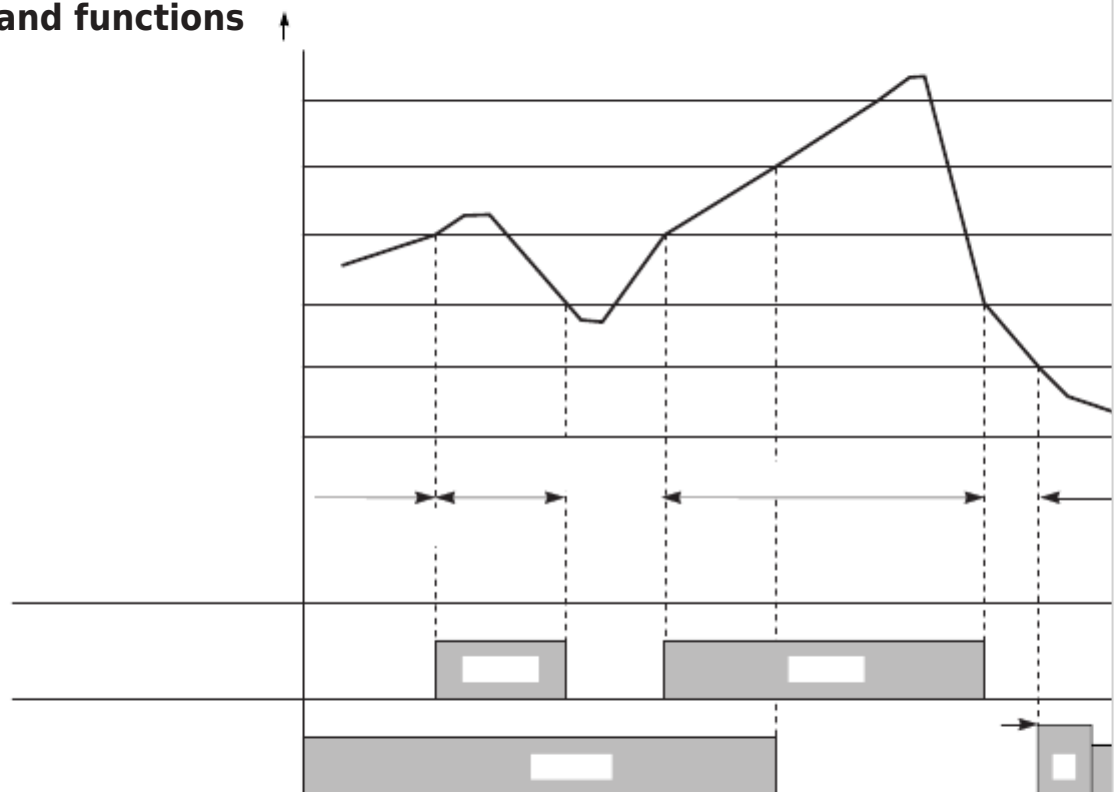
L

OFF

H or M

1565\_M\_S

Fig. 10



SM830080

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Quick Links:

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## Troubleshooting

[Troubleshooting](#) 168

[General Troubleshooting Flow Chart: Diagnosis and Remedy](#) 171

### Related Manuals for Sanyo SPW-XR253GH56

[Air Conditioner Sanyo SPW-X253GH56 Service Manual](#)

Split system (105 pages)

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

Eco multi system air conditioner (91 pages)

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

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

[Air Conditioner Sanyo Big PACi 18 Series Technical Data & Service Manual](#)

Big pack i dc inverter (275 pages)

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

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(252 pages)

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3-way eco-i multi system 5 series (703 pages)

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

W-eco multi system series (377 pages)

## Related Content for Sanyo SPW-XR253GH56

[CG1411 Overload Prevention \(Heating\)](#)

Sanyo CG1411

[CH0951 Overload Prevention \(Heating\)](#)

Sanyo CH0951

[CHDZ07263 Automatic Control For Heating And Cooling](#)

Sanyo CHDZ07263

[SAP-K181GJH Overload Prevention](#)

Sanyo SAP-K181GJH

[SAP-K71GH Overload Prevention](#)

Sanyo SAP-K71GH

[SAP-K71GJHA Overload Prevention](#)

Sanyo SAP-K71GJHA

[MINI ECO-i XHX1252 Automatic Control For Heating And Cooling](#)

Sanyo MINI ECO-i XHX1252

[KHS3632 / CH3632 Overload Protection](#)

Sanyo KHS3632 / CH3632

This manual is also suitable for:

[Spw-xr363gh56Spw-xr483gh56Spw-tr253gh56Spw-tr363gh56Spw-tr483gh56Spw-ur253ghn56](#) ... [Show all](#)