

Discharge Temperature - Sanyo CHDXR09663* Service Manual

2-way eco-i multi system

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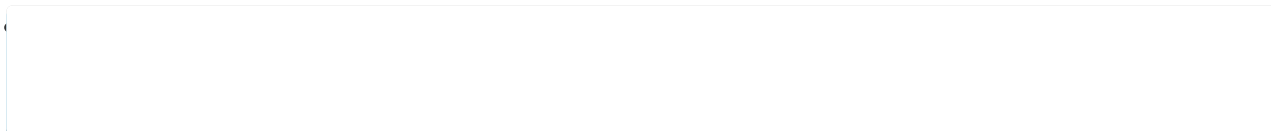
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Bookmarks



13. Discharge Temperature

<Alarm Information>

(1) Discharge temperature protection alarm

This device sets an upper limit discharge temperature of 222°F for all compressors. When the discharge tem-

perature reaches 222°F, that compressor is stopped and restarted. If the same high discharge condition occurs

4 times, then an alarm occurs.

After a compressor has stopped, that compressor will not operate until the temperature has dropped to or below the start-prohibit temperature.

Discharge temperature protection list

Compressor No.

Type

Stop temp.

Start-prohibit temp.

Alarm display

(2) Discharge sensor trouble detection control

An alarm occurs if the discharge temperature remains abnormally high (above 158°F), when the system has been stopped for 60 minutes.

* In this case, possible causes include sensor failure and compressor overheating caused by an insufficient level of refrigerant.

The alarm also occurs if the sensor temperature is at or above the abnormal temperature (176°F) when 20 minutes have passed after the compressor stopped.

* In this case, it is possible that the discharge temperature from a different outdoor unit is being detected, due to an error in the installation of the discharge thermistor.

Discharge sensor failure list

Compressor No.

Type

Alarm display

Compressor 1

Compressor 2

Inverter

Constant-speed

222°F

222°F

158°F

158°F

P03

P17

Compressor 1

Compressor 2

Inverter

Constant-speed

F04

F05

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W-2WAY ECO-i SYSTEM

Control Functions

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[SPW-U253GH56 Discharge Temperature Control \(Cooling And Heating\)](#)

Sanyo SPW-U253GH56

[SPW-X253GH56 Discharge Temperature Control \(Cooling And Heating\)](#)

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