

A Sensor Is Defective; Operation Of Major Electrical Parts - Sanyo SPW-X253G56 Service Manual

Split system

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4-2 A Sensor is Defective.

4. 9

1 1 1 1 1 Indoor (heat exchanger) coil temp. Sensor is defective.

(a) Open (=No continuity in sensor)

Compressor and outdoor fan repeat ON for 10 minutes and OFF for 6 minutes when sensor opens.

4-2 A Sensor is Defective.

(b) Short ① **Indoor (heat exchanger) coil temp. Sensor is defective.**

"Freeze Prevention" does not operate when dehumidified water is frozen on the indoor coil.

(a) Open (=No continuity in sensor)

2 2 2 2 2 Room temp. Sensor (in the remote control unit) is defective.

(a) Open (=No continuity in sensor) Compressor and outdoor fan repeat ON for 10 minutes and OFF for 6 minutes when sensor opens.

Neither outdoor fan nor compressor runs.

(b) Short

(b) Short

Outdoor fan and compressor do not stop. — Excessive cooling.

4-3 Operation of Major Electrical Parts

Operation Mode

Operation

(Function)

Thermo. ON

Manual

Thermo. OFF

Thermo. ON

Energy

saver

Thermo. OFF

Cool

Thermo. ON

Night

-ing

setback

Thermo. OFF

ON Timer

Timer

(set)

OFF Timer

Freeze prevention

Fan

Cool

Sweep

Fan

Flap

Cool

Stop

Fan

NOTE

* Refer to Cooling Mode.

Indoor unit and Remote Control unit

Indicator lamps

Room

Night setback

Cool Timer

Temp.

Energy saver

*

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4. Service procedures

Fan

Fan

Sweep

*

*

Outdoor unit

Compressor

4-2 A Sensor is Defective.

① Indoor (heat exchanger) coil temp. Sensor is defective.

(a) Open (=No continuity in sensor)

Compressor and outdoor fan repeat ON for 10 minutes and OFF when sensor opens.

(b) Short

"Freeze Prevention" does not operate when dehumidified water on indoor coil.

② Room temp. Sensor (in the remote control unit) is defective.

(a) Open (=No continuity in sensor)

Neither outdoor fan nor compressor runs.

(b) Short

Outdoor fan and compressor do not stop. — Excessive cooling.

4-3 Operation of Major Electrical Parts

Operation Mode (Function)	Operation	Indoor unit and Remote Control unit						
		Indicator lamps					Fan	
		Room Temp.	Cool	Timer	Night setback Energy saver	Sweep		
Cool -ing	Thermo. ON	○	○				○	
	Thermo. OFF	○	○				○	
	Energy saver	Thermo. ON	○	○		○		○
		Thermo. OFF	○	○		○		
	Night setback	Thermo. ON	○	○		○		○
		Thermo. OFF	○	○		○		
Timer (set)	ON Timer			○				

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4-2 A Sensor is Defective.

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