

Blinking Inspection Display On The Remote Controller - Sanyo 2-WAY ECO-i SPW-C0705DXHN8 Service Manual

Multi system

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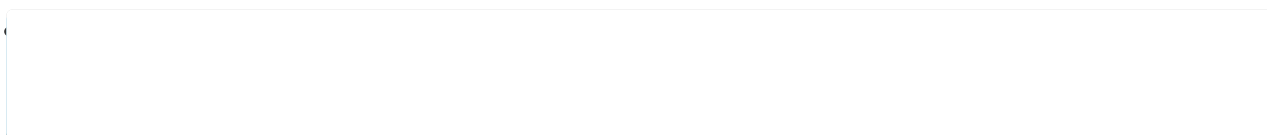
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Bookmarks



5. Blinking Inspection Display on the Remote Controller

Blinking inspection display (2) (compressor magnet SW seizing detection)

Alarm code

(Blinking inspection display)

Alarm meaning

Compressor magnet SW seizing detected

Status: Although an outdoor unit exists where the outdoor unit fan is running, no compressors in

Alarm conditions

Current is detected in the CT circuit when the compressor is stopped.

(1) This control is not engaged for the first 30 seconds after the compressor turns ON → OFF.

(2) For 1 minute following the first 30 seconds after the compressor turned ON → OFF, the threshold for the detected current is 10 A or more continuing for 2 seconds.

(3) All times other than the above:

• If the low-pressure SW has not activated, the threshold for the detected current is 7A or more continuing for 5 seconds.

If the low-pressure switch has activated, the threshold for the detected current is 7A or more continuing for 2 seconds.

Probable cause

(1) Magnet SW malfunction

The magnet SW has seized, and the compressor is continuing to run.

→ Even when the power is turned OFF, the primary side and secondary side contacts

The conditions of magnet SW operation are poor (difficult to open).

→ When a magnet SW is used in a DC circuit, it may be difficult for the SW to open at times.

(2) CT circuit failure or PCB failure (A/D failure)

CT circuit contact failure



→ Check that the connector is not partially disconnected.

Current of 7A or higher was detected although the compressor was stopped, or a higher current was detected at occasional intervals.

The compressor continues to operate at a time when the outdoor unit should be stopped (such as when all indoor units are stopped).

→ Check whether or not 200 V is output from the PCB to the magnet SW. If the voltage is

(3) Installation error

CT1 connector is connected to the compressor 2 side

CT1 circuit is connected to the compressor 2 side

CT2 connector is connected to the compressor 1 side

CT2 circuit is connected to the compressor 1 side

(4) Electrical noise

Correction

(1) Replace the CT circuit.

(2) Replace the magnet SW.

(3) Replace the PCB.

If the above probable causes are not the cause of the alarm, it is possible that in rare cases the alarm may be caused by the effects of noise. See notes.

Notes

The effects of electrical noise are difficult to identify unless a PC is connected and the conditions are monitored for a long period of time.

the system are operating.

Because the fan is running only at the outdoor unit where seizing was detected, check the corresponding outdoor unit.

* The fan may also run on its own when fan cracking prevention control is in effect or when snowfall sensor input is present. Therefore monitor for approximately 10 minutes if the outdoor unit fans are operating at multiple units.

remain together.

In an AC circuit the magnet SW should open instantaneously as long as the current is within the allowable range. However, this kind of trouble can occur if excessive current flows, and may prevent the SW from opening.

Wiggle the connector to check the connection.*

* These symptoms will not occur if the connector is completely disconnected or the wire is cut. In these cases alarm Hx3 occurs.

output, there is a PCB failure.

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W-2WAY ECO-i SYSTEM

Trouble Diagnosis

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