

Backup Operation - Sanyo CHDXR09663* Service Manual

2-way eco-i multi system

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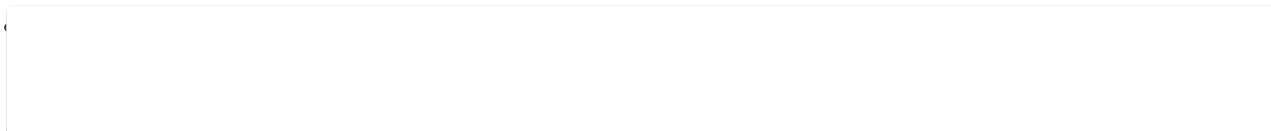
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16. Backup Operation

<Field Application Functions>

Backup Operation

16-1. Automatic Backup Operation

This system includes a function for automatic backup operation. An alarm is also displayed to inform the operator

failure has occurred.

ms that result in automatic backup operation

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compressor trouble or fan motor trouble makes emergency continued operation impossible,
tic

backup operation mode is engaged. Automatic backup mode is not engaged in cases of communications

alarms, automatic reset alarms, and other instances when emergency operation is possible by pressing the remote controller buttons or changing other conditions.

The alarms that result in automatic backup mode are P16, P22, P26, P29, H11, H12, and H31.

(2) Start of automatic backup operation

If the above alarms occur, the alarm is displayed on the control device. Pressing the control device button again starts automatic backup mode.

(3) Operation

When 1 outdoor unit is installed and the compressor has failed, backup operation is possible using the other compressors (only in the 3 Ton)). However, operation does not occur when the outdoor fan is unable to operate as a result of P22.

When multiple outdoor units are installed

when automatic backup mode is engaged, the outdoor unit where the above alarm occurred stops operating.

However, if one or more of the compressors is able to operate, then this outdoor unit operates only when the operation of all outdoor units is required for special control (such as 4-way valve adjustment) or other system purposes.

(4) Alarm display

If a wired remote controller is present,

(5) Canceling automatic backup operation

Repair the outdoor unit where the failure occurred. When repairs are completed, reset the power on outdoor unit No.1.

<Caution>

After automatic backup mode has been engaged, it will not be canceled automatically when the repair of the failed outdoor unit is completed. Automatic backup mode will be canceled only when the power on outdoor unit

No.1 is reset. Therefore, after repair work is completed, be sure to check whether or not automatic backup mode has been canceled.

How to check: [1] Use test run or other means to verify that all outdoor units operate continuously.

16-2. Manual Backup

If an alarm that does not result in automatic backup occurs frequently, possible causes include failure (such as

refrigerant leakage) of a functional part at an outdoor unit other than the unit where the alarm occurs.

In this case, because the outdoor unit service valve must be closed, backup operation must be performed manually.

(1) Backup operation procedure

[1] Disconnecting the failed outdoor unit

(A) Reduce the number of outdoor units set at outdoor unit No.1 by the number of failed outdoor units.

(B) At the S010 switch on the PCB of the failed outdoor unit, turn ON the switch for the compressor to disable, and turn ON the "backup" switch.

[2] If a wired remote controller is present, check that display blinks during operation.

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