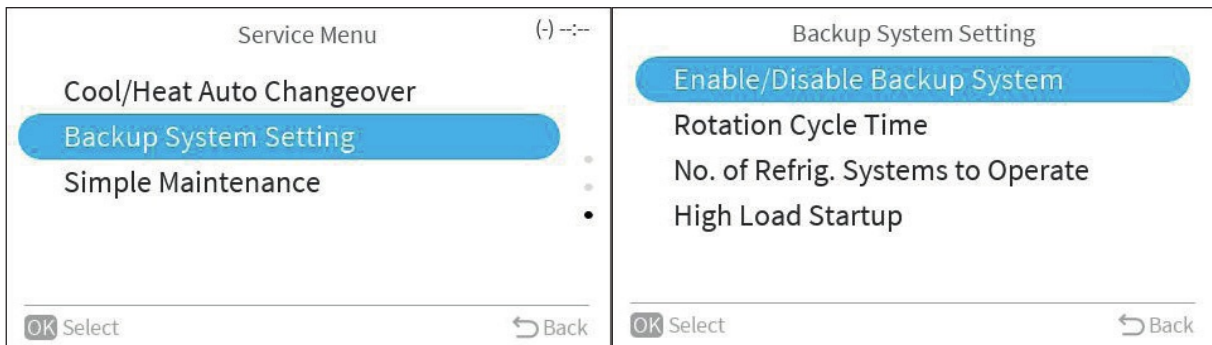


4.2.12 Backup System Setting (management of technical rooms)

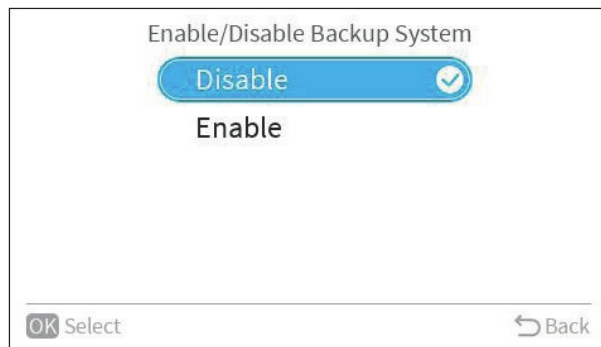
This function is applicable to the condition to the air conditioners in the room that need to be turned ON for 24 hours.

To Enable / Disable Backup System function:

- 1 Select "Service Menu" on the "Service & Installation" screen and press "OK".
- 2 Select "Backup System Setting" and press "OK".
- 3 Select "Enable/Disable Backup System" and press "OK".



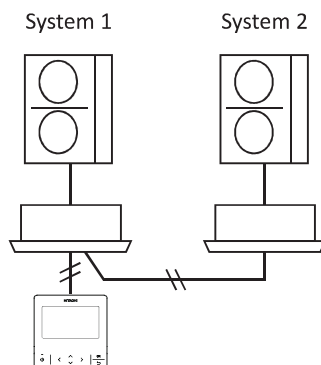
- 4 Press "▲" or "▼" to select "Enable" or "Disable".



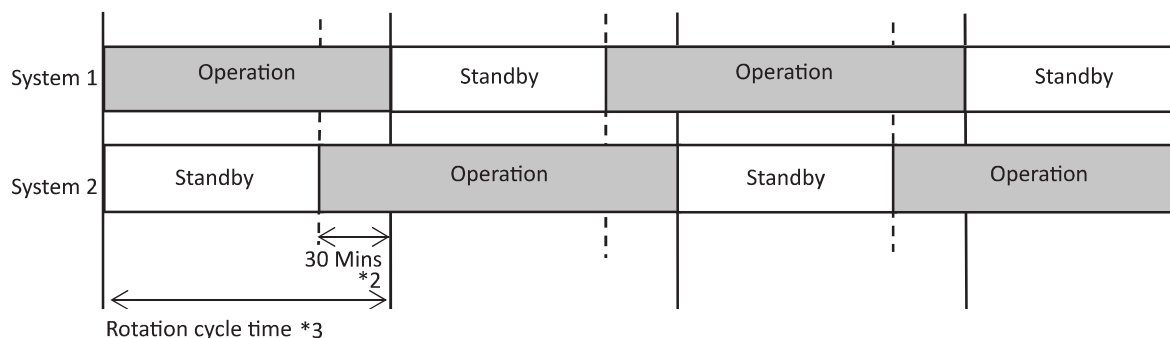
Rotation operation

This function can make each refrigerant system run alternately, so that there will be not too much operation time difference between air conditioners.
The standby system is in thermo-off(*1).

- System Example



- Rotation procedure



*1: The number of operating systems can be selected from one to three of the two to four systems that the backup system can use.

*2: In order to stabilize the operation state, it shall be started before 30 minutes.

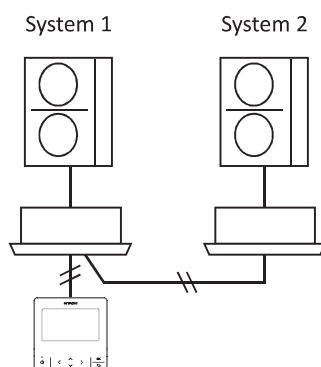
*3: Choose from "9 hours"(default), "24 hours", "48 hours", "72 hours" and "96 hours".

Backup operation when abnormality occurs

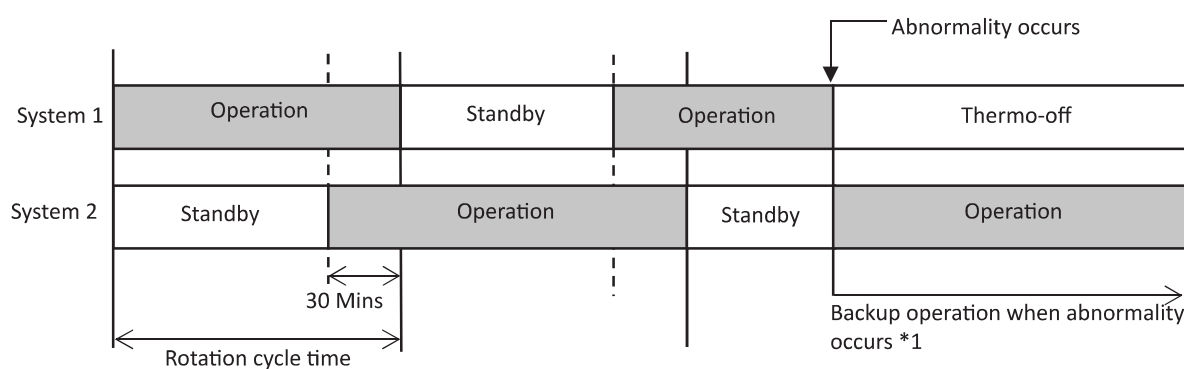
If an abnormality occurs during the rotation operation, the standby refrigerant systems return back to operation.

Backup operation when abnormality occurs

- System Example



- Rotation procedure when abnormality occurs

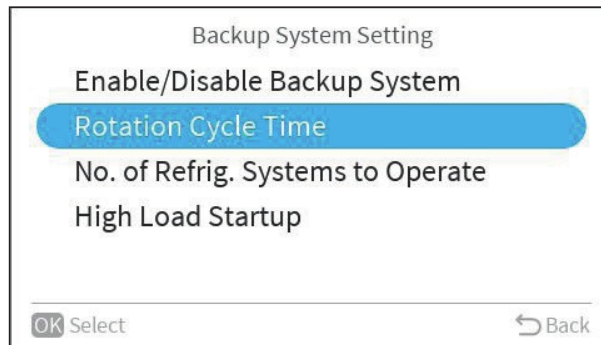


**1: When the abnormality is resolved, it returns to the rotation operation. Backup operation runs for at least 30 minutes when abnormality occurs. All standby systems are in backup operation when abnormality occurs.*

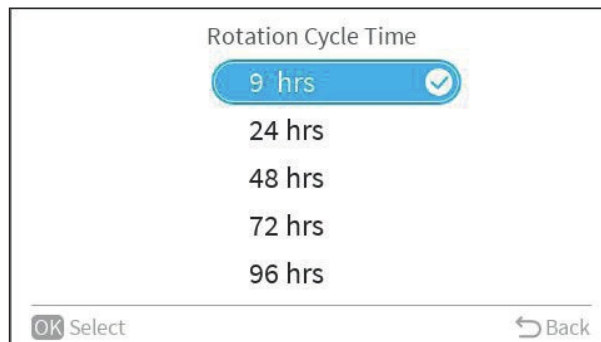
Rotation cycle time

To select the Rotation cycle time:

- 1 Select "Service Menu" on the "Service & Installation" screen and press "OK".
- 2 Select "Backup System Setting" and press "OK".
- 3 Select "Rotation Cycle Time" and press "OK".



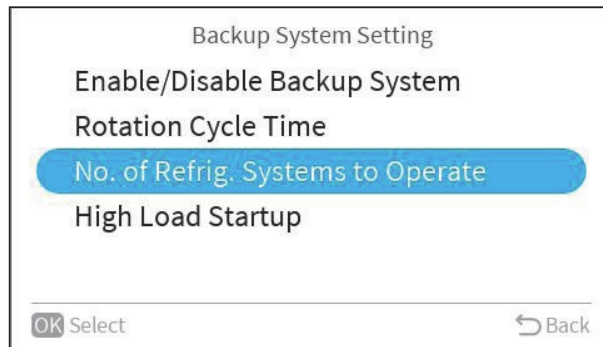
- 4 Rotation cycle time can be set from "9 hours"(default), "24 hours", "48 hours", "72 hours" and "96 hours". Press "▲" or "▼" to select.



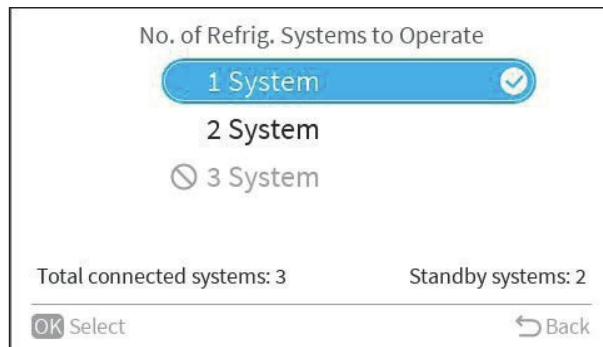
Number of Refrigerant Systems to Operate

This function is to set the numbers of refrigerant systems to operate in rotation.

- 1 Select "Service Menu" on the "Service & Installation" screen and press "OK".
- 2 Select "Backup System Setting" and press "OK".
- 3 Select "Number of Refrigerant Systems to Operate" and press "OK".

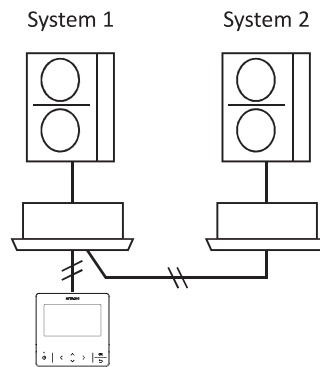


- 4 Press "▲" or "▼" to select the number of refrigerant systems.

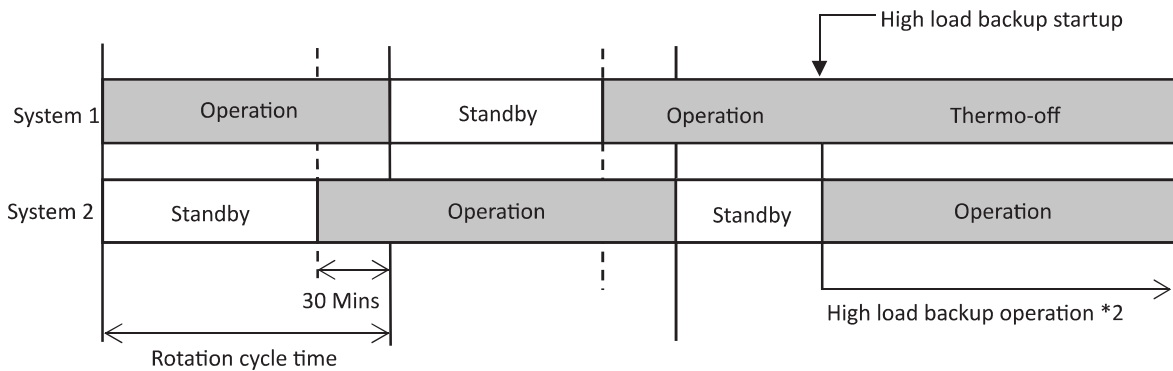


High Load Startup

If there is a difference between the room temperature and the setting temperature (*1), the standby refrigerant systems start to operate.



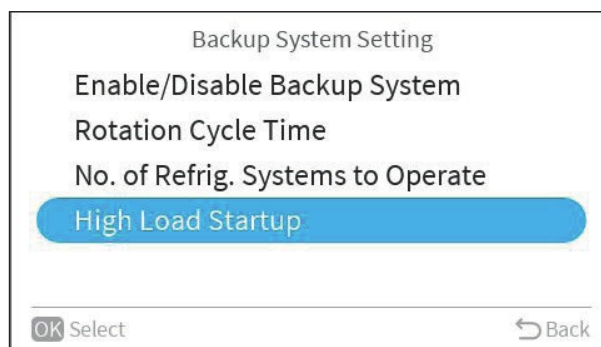
- Procedure of high load backup operation



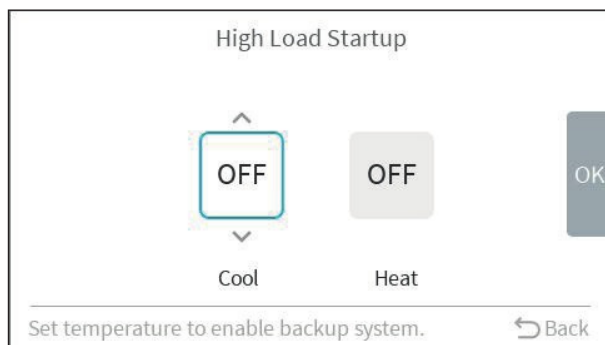
(*1) Cooling/Heating: 2° C to 5° C (2° F to 5° F).

(*2) When the high load backup operation is finished, it turns into the rotation operation. All standby systems are in operation.

- 1 Select "Service Menu" on the "Service & Installation" screen and press "OK".
- 2 Select "Backup System Setting" and press "OK".
- 3 Select "High Load Startup" and press "OK".



- 4 Press “^” or “v” to select the setting temperature.



- 5 Press “>” to select and press “OK” to return to step1.

NOTE

High load startup is available only when outdoor and indoor units support it.

Screen Display

The screen of wired remote controller in backup system is shown as below.

