7-7-3. Error Clearing Function

(1)Clearing from the main remote controller

▼Error clearing in outdoor unit

Error of the outdoor unit currently detected is cleared by the unit of one refrigerant circuit system to which the indoor units operated by the remote controller is connected. (Error of the indoor unit is not cleared.)

For clearing errors, the service monitor function of the remote controller is used.

<Method>

1 **Change the mode to service monitor mode by pushing CL + TEST buttons simultaneously for 4 seconds or more.**

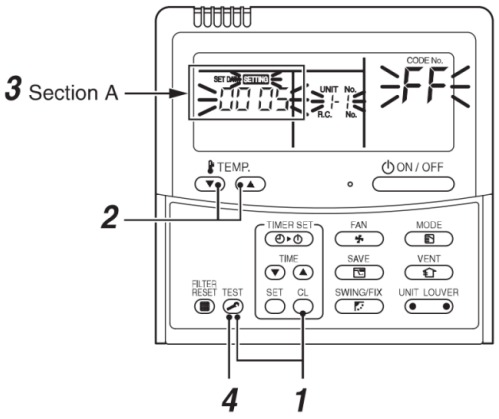
2 **Using TEMP. buttons, set CODE No. to "FF".**

3 **The display in Section A in the following figure is counted with interval of 5 seconds as "0005" --> "0004" --> "0003" --> "0002" --> "0001" --> "0000".**

When the count arrives "0000", the error is cleared.

*However, counting from "0005" is repeated on the display.

4 **When TEST button is pushed, the status returns to the normal status.**



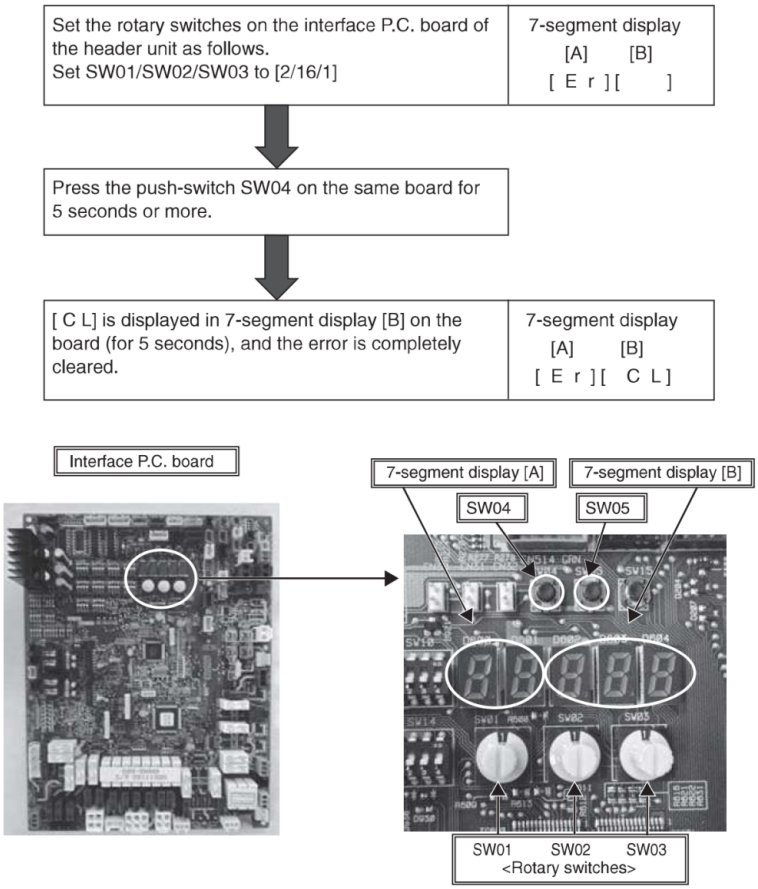
▼Error clearing in indoor unit

Error in the indoor unit is cleared by ON / OFF button on the remote controller.

(Only error of the indoor unit connected with operating remote controller is cleared.)

Vymazání chyby pomocí přepínačů na desce rozhraní v záhlaví jednotky

Použití přepínačů na rozhraní P. C. rada záhlaví jednotky, tato funkce je jasné, aktuálně zjištěných
Chyba v každém systému okruhu chladiva bez obnovení napájení.
Chyby v obou venkovních a vnitřních jednotek jsou jednou vymazány, a detekce chyb je opět provedena.



(3) Vymazání chyby přestavením sílu

Tato funkce je poskytována jasnou chybu v systému obnovením sílu všech venkovních a vnitřních jednotek
Stejná jako zúčtovací metodě ze strany P. C. rozhraní deska, chyby jak venkovních a vnitřních jednotek jsou
Jednou zrušeno a detekce chyb je opět provedena.

<Způsob>

(1) Ujistěte se, že obnovení napájení z obou venkovních a vnitřních jednotek.

(2) Zapněte vnitřní jednotky před mocí venkovní jednotky.

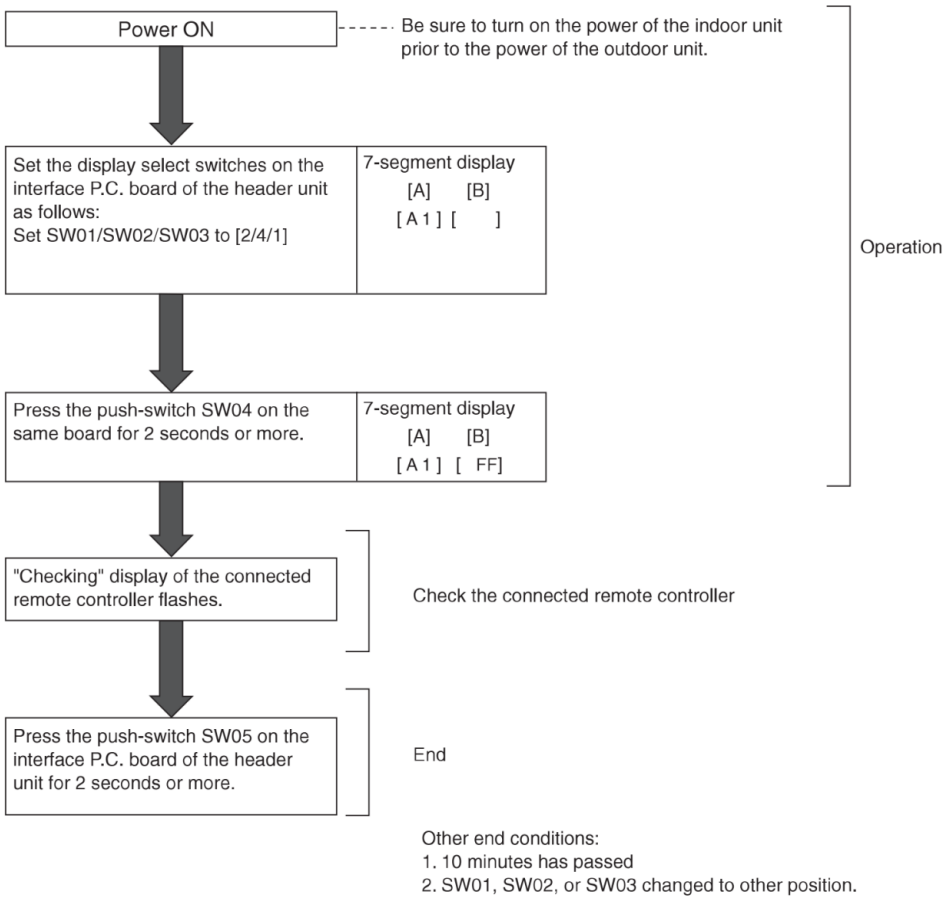
(Je-li zapnuto napájení v opačném pořadí, je kontrolní kód [E19] (Počet záhlaví jednotky chyby) je na výstupu).

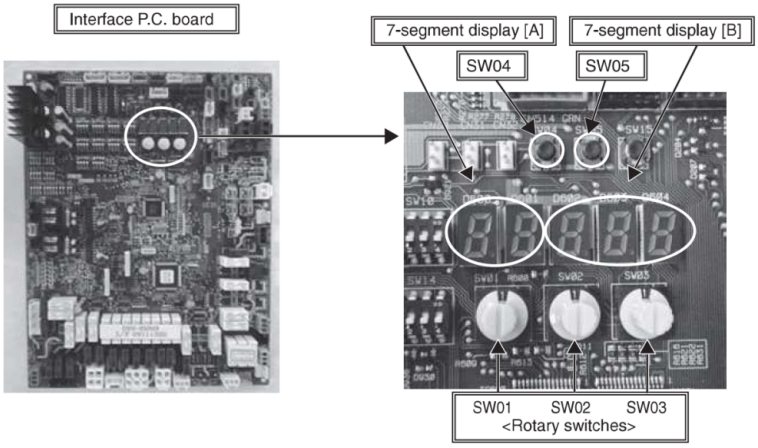
POZNÁMKA) Po ztrátě napájení, to vyžaduje obvykle 3 minuty na zapnutí vzhledem k počáteční komunikaci z systém. V některých případech se vyžaduje, aby max. 10 minut.

7-7-4. Remote Controller Distinction Function

This function is provided to distinguish the remote controller connected to the indoor unit from the outdoor unit for a refrigerant circuit system by using switches on the interface P.C. board of the header unit.

<Distinction procedure>





7-7-5. Pulse Motor Valve (PMV) Forced Open/Close Function in Indoor Unit

This function is provided to open or close forcedly PMV for 2 minutes in all the indoor units by the switch operation on the interface P.C. board of the header unit.
This function is also used to open PMV fully when turning off the power and executing an operation.

<Operation>

[Open fully]

Set the switches SW01/SW02/SW03 on the interface P.C. board of the header unit to [2/3/1], and press SW04 for 2 seconds or more.
(Display appears on 7-segment display for 2 minutes as follows.) [P] [FF]

[Close fully]

Set the switches SW01/SW02/SW03 on the interface P.C. board of the header unit to [2/3/1], and press SW05 for 2 seconds or more.
(Display appears on 7-segment display for one minute as follows.) [P] [00]

[Clear]

After 2 minutes (1 minutes for “Close fully”) after setting up, the opening automatically returns to the normal opening.

7-7-6. Pulse Motor Valve (PMV) Forced Open Fully/Close fully Function in Outdoor Unit

This function is provided to forcedly open or close fully P.M.V. (PMV1/PMV2, PMV4) used in the outdoor unit for 2 minutes.

[PMV1/PMV2 Open fully]

On the interface board of the outdoor unit, set the dip switch [SW12·bit1] to [OFF], [SW12·bit2] to [OFF], and short-circuit CN30.

[PMV1/PMV2 Close fully]

On the interface board of the outdoor unit, set the dip switch [SW12·bit1] to [OFF], [SW12·bit2] to [OFF], and short-circuit CN31.

[PMV4 Open fully]

On the interface board of the outdoor unit, set the dip switch [SW12·bit1] to [OFF], [SW12·bit2] to [ON], and short-circuit CN30.

[PMV4 Close fully]

On the interface board of the outdoor unit, set the dip switch [SW12·bit1] to [OFF], [SW12·bit2] to [ON], and short-circuit CN31.

[Clear]

For both open fully and close fully, after 2 minutes, the opening returns to the normal opening.
Be sure to remove the cord used for short-circuit after confirmation, and set the dip switch [SW12·bit1] to [OFF] and [SW12·bit2] to [OFF].

7-7-7. Solenoid Valve Forced Open/Close Function in Outdoor Unit

This function is provided to forcedly open each solenoid valve mounted in the outdoor unit by the switch operation on the interface P.C. board in the outdoor unit. Use this function to check there is no refrigerant clogging with ON/OFF operation of the solenoid valve.

[Operation]

(1) Set the switches SW01/SW02/SW03 on the interface P.C. board of the outdoor unit to [2/1/3].

(2) When [H. r] is displayed in 7-segment display [A], keep pressing the switch SW04 for 2 seconds or more.

(3) From when [2] is displayed in 7-segment display [B], SV2 is turned on.

(4) After then, ON and OFF of each solenoid valve are exchanged by changing the setup number of the switch SW02.

(ON/OFF output pattern of each solenoid valve is as shown below.)

NOTE 1) Display in 7-segment display [B] is exchanged just when the number of SW02 has been changed; on the other hand, the solenoid valve output is exchanged when SW02 has been kept with the same number for 5 seconds or more.

NOTE 2) The mark [O] in the table indicates that the corresponding solenoid valve is forcedly turned on.

NOTE 3) The mark [-] in the table indicates that ON/OFF of the solenoid valve is controlled based upon the specifications of the air conditioner.

NOTE 4) The mark [×] in the table indicates that the corresponding solenoid valve is forcedly turned off with this operation.

NOTE 5) The case heater output is for both the compressor and accumulator heaters.

SW02	7-segment display [B]	Operation pattern of solenoid valve												Case heater output relay
		SV2	SV5	SV41	SV42	SV43	SV3A	SV3B	SV3C	SV3D	SV3E	SV3F	SV61	
1	[2]	O	-	-	-	-	-	-	-	-	O	-	-	O
2	[5]	-	O	-	-	-	-	-	-	-	O	-	-	O
3	[41]	-	-	O	-	-	-	-	-	-	O	-	-	O
4	[42]	-	-	-	O	-	-	-	-	-	O	-	-	O
5	[43]	-	-	-	-	O	-	-	-	-	O	-	-	O
6	[3A]	-	-	-	-	-	O	-	-	-	O	-	-	O
7	[3b]	-	-	-	-	-	-	O	-	-	O	-	-	O
8	[3C]	-	-	-	-	-	-	-	O	×	O	O	-	O
9	[3d]	-	-	-	-	-	-	-	-	O	×	O	-	O
10	[3–]	-	-	-	-	-	O	O	O	×	O	×	-	O
11	[61]	-	-	-	-	-	-	-	-	-	O	-	O	O
12~15		-	-	-	-	-	-	-	-	-	O	-	-	O
16	ALL	O	O	O	O	O	O	O	O	O	O	O	O	O

* If the outdoor unit has no valve, then 7-segment display [B] shows [– –].

[Clear]

Return switches SW01/SW02/SW03 on the interface P.C. board to [1/1/1].

NOTE) As this function is not based on the specified general control, be sure to release this mode after checking.

7-7-8. Fan Operation Check in Outdoor Unit

This function is provided to check the fan operation of the outdoor unit by using switches on the interface P.C. board in the outdoor unit. The frequency of the fan speed can be controlled by setting of the switches. Use this function to check the operation or abnormal sound in the fan system. And, use this function while the system is stopped.

NOTE) Do not use this function during operation of the compressor. It may damage the compressor.

[Operation]

(1) Set the switches SW01/SW02/SW03 on the interface P.C. board of the outdoor unit to [2/1/4].

(2) When [F. d] is displayed in 7-segment display [A], keep pressing the switch SW04 for 2 seconds or more.

(3) When [63] is displayed in 7-segment display [B], the fan starts operation. (Max. mode operation)

(4) After that, by changing the setup number of the switches SW02 and SW03, 7-segment display [B] and the fan mode are changed.

(Mode output pattern of the fan is as follows.)

SW02	SW03	7-segment display [B]	Fan mode
1	4	[63]	63
2		[62]	62
3		[61]	61
4		[60]	60
5		[59]	59
6		[58]	58
7		[57]	57
8		[56]	56
9		[55]	55
10		[54]	54
11		[53]	53
12		[52]	52
13		[51]	51
14		[50]	50
15		[49]	49
16		[48]	48
1	5	[47]	47
2		[46]	46
3		[45]	45
4		[44]	44
5		[43]	43
6		[42]	42
7		[41]	41
8		[40]	40
9		[39]	39
10		[38]	38
11		[37]	37
12		[36]	36
13		[35]	35
14		[34]	34
15		[33]	33
16		[32]	32

SW02	SW03	7-segment display [B]	Fan mode
1	6	[31]	31
2		[30]	30
3		[29]	29
4		[28]	28
5		[27]	27
6		[26]	26
7		[25]	25
8		[24]	24
9		[23]	23
10		[22]	22
11		[21]	21
12		[20]	20
13		[19]	19
14		[18]	18
15		[17]	17
16		[16]	16
1	7	[15]	15
2		[14]	14
3		[13]	13
4		[12]	12
5		[11]	11
6		[10]	10
7		[9]	9
8		[8]	8
9		[7]	7
10		[6]	6
11		[5]	5
12		[4]	4
13		[3]	3
14		[2]	2
15		[1]	1
16		[0]	0

[Clear]

This function is cleared by one of the following operations.

(1) When SW01 setting number was changed to other number.

(2) Press-switch SW05 was pressed for 2 seconds or more.

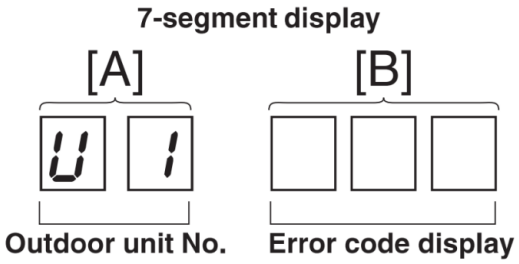
7-7-9. Abnormální Venkovní jednotka Diskriminace metoda, kterou Fan provozní funkce

Tato funkce je poskytována nuceně pracovat ventilátor venkovní jednotky, ve kterém došlo k chybě, nebo fanoušek
Normální venkovní jednotka provozem spínače na rozhraní P. C. Deska v záhlaví jednotky.
Chcete-li určit, která z sledovače jednotek připojených k systému byl vadný, použijte tuto funkci pro zastavení systému
z důvodu poruchy následovníka jednotky (Kontrolní kód [E28]).

[Operation]

<In case to operate the fan in the erroneous outdoor unit only>

(1) Check that the switches SW01/SW02/SW03 on the interface P.C. board in the header unit are set to [1/1/1].



(2) Press the push-switch SW04 for 2 seconds or more.
(3) [E 1] is displayed on 7-segment display [A].
(4) The fan of the outdoor unit in which error occurred starts operation within approx. 10 seconds after [E 1] was displayed.

<In case to operate the fans in all the normal outdoor units>

(1) Check that the switches SW01/SW02/SW03 on the interface P.C. board in the header unit are set to [1/1/1].
(2) Press the push-switches SW04 and SW05 at the same time for 2 seconds or more.
(3) [E 0] is displayed on 7-segment display [A].
(4) The fans of all the normal outdoor units start operation with the Max. fan speed within approx. 10 seconds after [E 0] was displayed.

[Release]

Press the push-switch SW05 on the interface P.C. board in the header unit for 2 seconds or more.
The outdoor fan which was operated stops.
* Check that [U. 1] is displayed on 7-segment display [A], and then finish the work.

7-7-10. Manual Adjustment Function of Outside Temperature (TO) Sensor

This function is provided to fix TO sensor value manually by the switch operation on the interface P.C. board in the outdoor unit. When the unit stops abnormally due to TO sensor failure, etc, an emergent operation is available by setting up the value manually to position near the current outside temperature.

[Operation]

(1) Set the rotary switches on the interface P.C. board to numbers as follows:
- SW01/SW02/SW03 to [2/1/15]
- 7-segment display: [t o]

(2) Keep pressing the push-switch SW04 on the interface P.C. board for 1 second or more. The mode changes to the TO sensor value fix manual mode.

(3) As shown in the following table, TO sensor value can be fixed by setting the rotary switch SW02 on the interface P.C. board.

[Clear]

Return SW01/SW02/SW03 on the interface P.C. board in the outdoor unit to [1/1/1].

SW02	7-segment display [B]	TO sensor value
1	[10]	10°C
2	[15]	15°C
3	[20]	20°C
4	[25]	25°C
5	[30]	30°C
6	[35]	35°C
7	[40]	40°C
8	[43]	43°C
9	[45]	45°C
10	[–15]	-15°C
11	[–10]	-10°C
12	[– 5]	-5°C
13	[0]	0°C
14	[2]	2°C
15	[5]	5°C
16	[7]	7°C

NOTE) If operated with TO sensor fixed by this function, the system control operation of the air conditioner may not be based on the specification of the product. Therefore an emergent operation should be restricted to a day or so.

<Service support function list>

SW01	SW02	SW03	7-segment display [A]	Function contents
2	1	1	[J . C]	Refrigerant circuit and control communication line check function (Cooling operation)
	2		[J . H]	Refrigerant circuit and control communication line check function (Heating operation)
	3		[P .]	Indoor PMV forced full open function
	4		[A . 1]	Indoor remote controller discriminating function
	5		[C .]	Cooling test operation function
	6		[H .]	Heating test operation function
	7		[C . H]	Indoor collective start/stop (ON/OFF) function
	11		[r . d]	Outdoor refrigerant recovery operation function (Pump down function)
	16		[E . r]	Error clear function

2	1~16	3	[H . r]	Solenoid valve forced open/close function
2		4~7	[F . d]	Fan forced operation function
2		15	[t . o]	Outside temperature sensor manual adjustment function

16	1~16	1	[0 1]~[1 6]	Indoor No. 1 to 16 unit	Indoor individual start/stop (ON/OFF) function
		2	[1 7]~[3 2]	Indoor No. 17 to 32 unit	
		3	[3 3]~[4 8]	Indoor No. 33 to 48 unit	
		4	[4 9]~[6 4]	Indoor No. 49 to 64 unit	

SW01	SW02	SW03	7-segment display [A/B]	Function contents
1	1	1	[U 1] [E28]	Follower unit error / Corresponding unit fan operation function

7-7-11. Monitor Function of Remote Controller Switch

When using a remote controller with the model name RBC-AMT32E, the following monitor functions can be used.

Calling of display screen

<Content>

The sensor temperature or operation status of the remote controller, indoor unit, or the outdoor unit can be known by calling up the service monitor mode from the remote controller.

[Procedure]

1 **Push TEST + CL buttons simultaneously for 4 seconds or more to call up the service monitor mode.**
The service monitor goes on, and temperature of the CODE No. 00 is firstly displayed.

2 **Push the temperature setup TEMP. buttons to select the CODE No. to be monitored.**
For displayed codes, refer to the table next page.

3 **Push SET button to determine the item to be monitored.**
Then monitor the sensor temperature or operation status of indoor unit and the outdoor unit in the corresponding refrigerant line.

4 **Pushing TEST button returns the display to the normal display.**