

## 4-2-5 Trouble shooting index - Error code List 1/2 -

Display Target A	Display Target B	Display Target C	Display Target D
Simple Wired remote controller 2 / 3 wires Wired remote controller Indoor unit LED brinking times, " 1st figure: Operation LED, 2nd figure: Timer LED"	Group Remote controller Central Remote controller Touch- Panel controller	7 seg. Display on Outdoor unit Controller PCB	Service Tool

\* : No Display    A: LED 10 times Blinks    J: LED 13 times Blinks    U: LED 15 times Blinks

Display Target A	Display Target B	Error Contents < Subsection >	Display Target C	Display Target D	Error Contents < Supecifics >	Trouble shooting No.	
1 2	Remote controller Communication Error		5 U.1	1 2 . 1	Wired Remote Controller communication Error	1	
				1 2 . 2	Wired Remote Controller signal error ( 3 wires RC)	2	
				1 2 . 3	Number Excess of device in Wired RC. System (2 Wires RC)	3	
9 U	1 3	Communication Error between Outdoor unit	1 3 . 1		Communication Error Between Outdoor unit	4	
1 4 *	1 4 1 6	Network Communication Error	1 4 . 1	1 4 . 1 1 4 . 3	Outdoor unit Network communication 1 Error	5	
1 4 9 U	1 4 1 6		1 4 . 2	1 4 . 2 1 4 . 1 1 4 . 3	Outdoor unit Network communication 2 Error	6	
1 4 9 U *	1 4 1 6	Peripheral device communication Error	1 4 . 1	1 4 . 3	Transmission PCB connection Error	7	
9 U *	1 4 1 6		1 4 . 2	1 4 . 1		1 4 . 2	8
1 6 *	Error at indoor unit connection check		1 4 . 1	1 4 . 3	Communication Error between Controller and Indoor unit	9	
*			1 4 . 2			10	
9 U	2 2	Address setting Error	2 2 . 1		Connecting indoor units capacity error	93	
	2 4		2 4 . 2		Connecting number of indoor unit error		
	2 6		2 6 . 1		Dual address number is existing		
			2 6 . 4		Address duplication in Wired remote controller system		
			2 6 . 5		Address setting Error in Wired remote controller system		
*	Other setting Error		2 8 . 1	*	Auto address setting Error	13	
				2 8 . 4	*	Signal amplifier auto address Error	14
2 9	Connection unit number error in wired remote controller system		5 U. 1	2 9 . 1	Connection unit number Error (Indoor unit in WRC control system)	15	
2 9			*	*	Connection unit number Error (Remote controller)	16	
3 1	Indoor unit Power supply Abnormal		5 U. 1	3 1 . 3	Indoor unit power frequency Abnormal	17	
3 2	Indoor unit Main PCB Error			3 2 . 1	Indoor unit PCB Model informaiton Error	18	
				3 2 . 3	Indoor unit EEPROM access Error	19	
3 A	Indoor unit communication circuit (WRC) error		5 U. 1	3 A . 1	Indoor unit communication circuit (WRC) microcomputers communication error	20	
4 1	Indoor unit Room temp. Sensor Error			4 1 . 1	Indoor unit Inlet air temp. Sensor Error	21	
4 2	Indoor unit Heat-Ex. Sensor Error			4 2 . 1	Indoor unit Heat-Ex. Inlet temp. Sensor Error	22	
				4 2 . 3	Indoor unit Heat-Ex. Outlet temp. Sensor Error	23	
5 1	Indoor unit FAN Motor 1 Error			5 1 . 2	Indoor unit FAN Motor 1 rotation speed Error	24	
5 2	Indoor unit Coil (EEV) Error			5 2 . 1	Indoor unit Coil 1 (EEV) Error	25	
5 3	Indoor unit water drain Abnormal			5 3 . 1	Indoor unit Drain pump Error	26	
*	Indoor unit Error		*		Indoor unit Error	Refer to I.U Error	
5 7	Damper error		5 7 . 1		Damper ( Open / Close ) detection limit switch error	91	
			5 7 . 2				
			5 7 . 3		Damper ( Open / Close ) simultaneous detection limit switch error	92	
9 U	6 1	Outdoor unit Power supply Abnormal	6 1 . 5		Outdoor unit reverse phase, missing phase wire Error	27	
	6 2	Outdoor unit PCB Error	6 2 . 3		Outdoor unit EEPROM access Error	28	
			6 2 . 6		Inverters communication Error	29	
			6 2 . 8		EEPROM data corrupted Error	30	
6 3	Outdoor unit Inverter PCB Error	6 3 . 1		Inverter Error	31		
*	*	OU. short interruption detection protected operation	6 7 . 2		Inverter PCB short interruption Error	32	
9 U	6 8	Outdoor unit Magnetic relay Error	6 8 . 2		Rush Current limiting resistor temp. rise protection	33	
9 U	6 9	Outdoor unit Transmission PCB Error	6 9 . 1		Outdoor unit transmission PCB Parallel communication Error	34	
1 4	1 4	6 9 . 1		1 4 . 1 1 4 . 3			
9 U	7 1	Outdoor unit Discharge temp. Sensor Error	7 1 . 1		Discharge temp. Sensor 1 Error	35	
	7 2	Outdoor unit Compressor temp. Sensor Error	7 2 . 1		Compressor temp. Sensor 1 Error	36	
	7 3	Outdoor unit Heat-Ex. temp. Sensor Error	7 3 . 4		Heat-Ex 1 gas temp. Sensor Error	37	
			7 3 . 5		Heat-Ex 1 liquid temp. Sensor Error	38	
			7 3 . 6		Heat-Ex 2 gas temp. Sensor Error	39	
			7 3 . 7		Heat-Ex 2 liquid temp. Sensor Error	40	
A 8	Poor refrigerant circulation		5 U. 1	A 8 . 1*	Pipe clog	94	
				A 8 . 2*	Valve unopened error		
				A 8 . 3*	Refrigerant undercharged error		
				A 8 . 4*	Refrigerant overcharged error		

## 4-2-5 Trouble shooting index - Error code List 2/2 -

Display Target A	Display Target B	Display Target C	Display Target D
Simple Wired remote controller 2 / 3 wires Wired remote controller Indoor unit LED blinking times, " 1st figure: Operation LED, 2nd figure: Timer LED"	Group Remote controller Central Remote controller Touch- Panel controller	7 seg. Display on Outdoor unit Controller PCB	Service Tool

\* : No Display    A: LED 10 times Blinks    J: LED 13 times Blinks    U: LED 15 times Blinks

Display Target A	Display Target B	Error Contents < Subsection >	Display Target C	Display Target D	Error Contents < Suppecifics >	Trouble shooting No.
9 U	7 4	Outdoor temp. Sensor Error	7 4 . 1		Outdoor temp. Sensor Error	41
	7 5	Suction gas temp. Sensor Error	7 5 . 1		Suction gas temp. Sensor Error	42
	7 7	Heat sink temp. Sensor Error	7 7 . 1		Heat sink temp. Sensor Error	43
	8 2	Sub cool HEX temp. Sensor Error	8 2 . 2		Sub cool HEX gas outlet temp. Sensor Error	44
	8 3	Liquid pipe temp. Sensor Error	8 3 . 1		Liquid pipe temp. Sensor 1 Error	45
			8 3 . 2		Liquid pipe temp. Sensor 2 Error	46
	8 4	Current Sensor Error	8 4 . 1		Current sensor 1 Error	47
	8 6	Pressure Sensor Error	8 6 . 1		Discharge pressure sensor Error	48
			8 6 . 3		Suction pressure sensor Error	49
			8 6 . 4		High pressure SW 1 Error	50
	9 3	Compressor start up Error	9 3 . 1		Inverter compressor Start up Error	51
	9 4	Trip Detection	9 4 . 1		Trip detection	52
	9 5	Compressor motor control Error	9 5 . 5		Compressor motor loss of synchronization	53
	9 7	Outdoor unit FAN Motor 1 Error	9 7 . 1		Outdoor unit FAN Motor Lock Error	54
			9 7 . 5		Outdoor unit FAN Motor temp. Abnormal	55
			9 7 . 9		Outdoor unit FAN Motor Driver Abnormal	56
	9 A	Outdoor unit coil (EEV) Error	9 A . 1		Coil 1 (EEV) Error	57
			9 A . 2		Coil 2 (EEV) Error	58
			9 A . 3		Coil 3 (EEV) Error	59
	*1	Outdoor unit Abnormal	*1		Slave out door unit Error	60
	A 1	Discharge temp. Abnormal	A 1 . 1		Discharge temp. 1 Abnormal	61
	A 3	Compressor temp. Abnormal	A 3 . 1		Compressor 1 Temperature Abnormal	62
	A 4	Pressure abnormal 1	A 4 . 1		High pressure Abnormal	63
			A 4 . 2		High pressure protection 1	64
	A 5	Pressure abnormal 2	A 5 . 1		Low pressure Abnormal	65
	A 6	Heat-Ex temp. Abnormal	A 6 . 3		Outdoor unit Heat-Ex 1 Gas temp. Abnormal	66
			A 6 . 4		Outdoor unit Heat-Ex 2 Gas temp. Abnormal	67
A C	Ambient temp Abnormal	A C . 4		Outdoor unit Heat Sink temp. Abnormal	68	
J 1	RB Unit Error	5 U . 1	J 1 . 1	RB Unit EEPROM Access Abnormal	69	
1 4		14 . 1	14 . 1	RB Unit transmission PCB2 parallel communication Error	70	
J 1		14 . 2	14 . 2			
			14 . 3			
			J 1 . 4			
*		Initial Setting Error	- - - -	*	Initial Setting Error	71

### Other Error code for Outdoor Air unit / DX-Kit

\*1: Master Outdoor unit : 9 U. 2 / Slave Outdoor unit and Service Tool indicate applicable Error code

3 9	Indoor unit power supply circuit error	5 U.1	39.1	Indoor unit power supply error for fan motor 1	81
			39.2	Indoor unit power supply error for fan motor 2	
4 A	Indoor unit air temp. thermistor error	5 U.1	4A.1	Indoor unit suction air temp. thermistor error	82
5 9	Indoor unit fan motor 2 error		4A.2	Indoor unit discharge air temp. thermistor error	83
			59.2	Indoor unit fan motor 2 rotation speed error	84

### Other Error code for DX-Kit

5 2	Indoor unit Coil (EEV) Error	5 U.1	52.2	Indoor unit Coil 2 (EEV) Error	85
J 6	Peripheral device Error		J6.1	Peripheral device Error	86

### Wired remote controller "Internal Error"

\* These error codes will be shown only on the remote controller.

CC. 1 C 2. 1 1 5. 4	*	Sensor Error Transmission PCB Error Data acquisition Error	*	*	Replace the remote controller, if the error appears on the remote controller.
---------------------------	---	--	---	---	---

## 4-2-6 Trouble shooting index - No Error code -

	Error condition	Error Contents	Trouble shooting
No Error Code System Abnormal	Indoor Unit - No Power (Except Wall Mounted )	Indoor Unit - No Power (Except Wall Mounted )	72
	Indoor unit - No Power ( Wall Mounted)	Indoor Unit -No Power( Wall Mounted)	73
	Outdoor unit - No Power	Outdoor unit - No Power	74
	RB Unit - No Power	RB Unit - No Power	75
	No operation (Power is ON )	No operation ( Power is ON )	76
	No Cooling	No Cooling / No Heating	77
	Abnoemal Noise	Abnormal Noise	78
	Water leaking	Water leaking	79
	Indoor Unit - No Power(Outdoor air unit)	Indoor Unit - No Power (Outdoor air unit)	80
	Peripheral device - No Power	Peripheral device - No Power	87
	Peripheral device - FAN not operates	Peripheral device - FAN not operates	88
	Peripheral device No Cooling / No Heating	Peripheral device No Cooling / No Heating	89
	DX-Kit - No Power	DX-Kit - No Power	90

## 4-2-7 TROUBLE LEVEL OF SYSTEM

### << System Condition when Outdoor Unit Error is occurred >>

System Condition	Outdoor unit Condition	Trouble Level	
		1	2
		Not indicated on Indoor Unit and Peripheral unit. Indicated on Service Tool.	Indicated on Indoor Unit (*1) and Peripheral unit. Indicated on Service Tool.
① System is not stopped compulsorily Operation continues	Abnormal LED indication Outdoor unit does not stop	- 14.1 Outdoor unit network communication 1 error	- 62.3 Outdoorunit EEPROM access error - 62.8 EEPROM data corrupted error - 73.5 Heat Ex.1 liquid temp. sensor error - 73.7 Heat Ex.2 liquid temp. sensor error - 75.1 Suction gas temp sensor error - 82.2 Sub-cool Heat Ex. gas outlet temp. sensor error - 83.1 Liquid pipe temp. sensor 1 error - 83.2 Liquid pipe temp. sensor 2 error
② System is compulsorily stopped (*4)	Abnormal LED indication Outdoor unit stop	- 67.2 Inverter PCB short interruption detection	- 62.6 Inverter communication error - 63.1 Inverter error - 68.2 Rush current limiting resister temp. rise protection (*3) - 71.1 Discharge Temp sensor 1 error - 72.1 Compressor Temp sensor 1 error - 73.4 Heat Ex. 1 gas temp sensor error - 73.6 Heat Ex. 2 gas temp sensor error - 74.1 Outdoor Temp sensor error - 77.1 Heat sink Temp sensor error - 84.1 Current sensor 1 error (*3) - 86.1 Discharge pressure sensor error - 86.3 Suction pressure sensor error - 86.4 High pressure switch 1 error - 93.1 Inverter compressor start up error (*3) - 94.1 Trip detection (*3) - 95.5 Comp. motor loss of synchronization (*3) - 97.1 Outdoor unit fan motor lock error (*3) - 97.5 Fan motor temperature abnormal (*3) - 97.9 Fan motor driver abnormal (*3) - A1.1 Discharge temperature 1 abnormal (*3) - A3.1 Compressor1 temperature abnormal (*3) - A4.1 High pressure abnormal - A4.2 High pressure protection1 - A6.3 Outdoor Heat Ex. 1 gas temp. abnormal (*3) - A6.4 Outdoor Heat Ex. 2 gas temp. abnormal (*3) - AC.4 Heat sink temperature abnormal
③ System is compulsorily stopped	Abnormal LED indication Outdoor unit stop		- 13.1 Communication error between outdoor unit - 14.2 Outdoor unit network communication 2 error - 14.5 The number of indoor unit shortage (*2) - 61.5 Outdoor unit reverse phase, missing phase wire error - 69.1 Outdoor unit transmission PCB parallel communication error - 9A.1 Coil1 (Expansion valve1) error - 9A.2 Coil2 (Expansion valve2) error - 9A.3 Coil3 (Expansion valve3) error - A5.1 Low pressure abnormal (*3)

(\*1) This will not be displayed on indoor unit which Error Report Target (function setting 47 of indoor unit) is set "for administrator".

(\*2) The System condition can change to ① (Trouble Level 1) by changing DIP SW (SET 4-1:OFF)

(\*3) Even if power is reset, this Error cannot release. In Error release, you need to solving the problem and operate the push switch and a and apply "Error reset" (F3-40) after power restart.

(\*4) When one of outdoor unit on the multi connection detects these Error, the backup operation can activate by using of remaining outdoorunit(s)  
Please check each trouble shooting, and read the caution before using the backup operation.

### << Error code which manual error release will be required >>

- A5.1 Low pressure abnormal
- 84.1 Current sensor 1 error
- 93.1 Inverter compressor start up error
- 94.1 Trip detection
- A1.1 Discharge temperature 1 abnormal
- A3.1 Compressor 1 temperature abnormal
- 97.1 Outdoor unit fan motor lock error
- 97.5 Fan motor temperature abnormal
- 97.9 Fan motor driver abnormal
- 68.2 Rush current limiting resister temp rise protection
- 95.5 Compressor motor loss of synchronization
- A6.3 Outdoor heat exchanger 1 gas temperature abnormal
- A6.4 Outdoor heat exchanger 2 gas temperature abnormal