

11 TROUBLESHOOTING

In addition to the check code on the remote controller of the indoor unit, a trouble of the outdoor unit can be diagnosed by 7-segment display of the control P.C. board of the outdoor unit. Make good use of this function for various checks. After check, return each bit of Dip switch to OFF position.

■ Segment display and check code

Rotary switch setup value			Displayed contents	LED	
SW01	SW02	SW03			
1	1	1	Check code of outdoor unit	A	Outdoor unit No. (U1 only)
				B	Check code display*

* However, when there is an auxiliary code, the check code (for 3 seconds) and the auxiliary code (for 1 second) are alternately displayed.

Check Code (Outdoor 7-segment display [B])

Displayed when SW01: 1, SW02: 1, SW03: 1

Check code Outdoor 7-segment display	Auxiliary code	Check code name
E06	Number of indoor unit which received normally	Decrease of number of indoor units
E07	—	Indoor/Outdoor communication circuit error
E08	Duplicated indoor addresses	Duplication of indoor addresses
E12	01: Communication between indoor and outdoor 02: Communication between outdoor units	Automatic address start error
E15	—	Indoor is nothing during automatic addressing
E16	00: Capacity over 01~: No. of connected units	Capacity over / Number of connected indoor units
E19	00: Header is nothing 02: Two or more header units	Number of header outdoor units error
E20	01: Other line outdoor connected 02: Other line indoor connected	Other line connected during automatic addressing
E23	—	Sending error between outdoor units communication
E25	—	Duplicated follower outdoor address setup
E26	Number of outdoor unit which received normally	Decrease of connected outdoor units
E28	Detected outdoor unit No.	Follower outdoor unit error
E31	IPDU quantity information	IPDU communication error
F04	—	TD1 sensor error
F05	—	TD2 sensor error
F06	—	TE1 sensor error
F07	—	TL sensor error
F08	—	TO sensor error
F12	—	TS1 sensor error
F13	01: Compressor 1 side 02: Compressor 2 side	TH sensor error
F15	—	Outdoor temp. sensor miswiring (TE, TL)
F16	—	Outdoor pressure sensor miswiring (Pd, Ps)
F23	—	Ps sensor error
F24	—	Pd sensor error
F31	—	Outdoor EEPROM error

Check code Outdoor 7-segment display	Auxiliary code	Check code name
H01	01: Compressor 1 side 02: Compressor 2 side	Compressor breakdown
H02	01: Compressor 1 side 02: Compressor 2 side	Magnet switch error Overcurrent relay operation Compressor trouble (Lock)
H03	01: Compressor 1 side 02: Compressor 2 side	Current detective circuit system error
H04	—	Compressor 1 case thermo operation
H06	—	Low-pressure protective operation
H07	—	Oil level down detection protection
H08	01: TK1 sensor error 02: TK2 sensor error 03: TK3 sensor error 04: TK4 sensor error	Temp sensor error for oil level detection
H14	—	Compressor 2 case thermo operation
H16	01: TK1 oil circuit system error 02: TK2 oil circuit system error 03: TK3 oil circuit system error 04: TK4 oil circuit system error	Magnet switch error Overcurrent relay operation Oil level detective circuit system error
L04	—	Outdoor line address duplicated
L06	Number of indoor units with priority	Duplication of indoor units with priority
L08	—	Indoor group/Address unset
L10	—	Outdoor capacity unset
L18	Detected indoor address	Flow selector unit error
L28	—	Outdoor connected quantity over
L29	IPDU quantity information	IPDU quantity error
L30	Detected indoor address	External interlock of indoor unit
L31	—	Extended I/C error
P03	—	Discharge temp TD1 error
P04	01: Compressor 1 side 02: Compressor 2 side	High-pressure SW system operation
P05	01: Phase missing detection 02: Phase order error	Phase missing detection / Phase order error
P07	01: Compressor 1 side 02: Compressor 2 side	Heat sink overheat error
P10	Detected indoor address	Indoor overflow error
P13	—	Outdoor liquid back detection error
P15	01: TS condition 02: TD condition	Gas leak detection
P17	—	Discharge temp. TD2 error
P19	Detected outdoor unit number	4-way valve inverse error
P20	—	High-pressure protective operation
P22	0 *: IGBT short 1 *: Fan motor position detective circuit error 3 *: Fan motor lock trouble C *: TH sensor temp. error (Heat sink overheat) D *: TH sensor error	Outdoor fan IPDU error
P26	01: Compressor 1 side 02: Compressor 2 side	IGBT short protection error
P29	01: Compressor 1 side 02: Compressor 2 side	Compressor position detective circuit system error