

Chiller

| Detail code | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | C | E | F | H | J |
|--------------|---|---|--|--|--|--|---|---|---|--|---|---|---|---|-------------------------------------|---|--|
| Division | | | | | | | | | | | | | | | | | |
| Indoor Unit | A | | Malfunction of indoor unit PCB | | | Malfunction of freezing protection | | | | | Malfunction of electronic expansion valve | Malfunction of electronic expansion valve | | | | | |
| | C | | | | | Malfunction of liquid pipe thermistor for heat exchanger | Malfunction of gas pipe thermistor for heat exchanger | | | | | | | | | | |
| Outdoor Unit | E | Protection devices activated (unified) | Defect of outdoor unit PCB | Missing of earth leakage detection core | Actuation of high pressure switch (HPS) | Actuation of low pressure switch (LPS) | Inverter compressor motor or overheat | STD compressor motor overcurrent/lock | Malfunction of outdoor unit fan motor system | Overcurrent of inverter compressor | Malfunction of electronic expansion valve coil | | | | | | |
| | F | | | | Malfunction of discharge pipe temperature | | | | | | | | Abnormal high pressure actuation of HPS | | | | |
| | H | Malfunction of sensor system of compressor | Malfunction of room temperature sensor or humidifier unit damper | Malfunction of power supply sensor | Malfunction of high pressure switch (HPS) | Malfunction of low pressure switch (LPS) | Malfunction of compressor motor overload thermistor | Malfunction of position detection sensor | Malfunction of outdoor unit fan motor signal | Malfunction of compressor input (CT) system | Malfunction of outdoor air thermistor | Malfunction of discharge air thermistor | Malfunction of (hot) water temperature thermistor | | | | |
| | U | Miswiring of thermistor | Malfunction of pressure sensor | Malfunction of current sensor of compressor | Malfunction of discharge pipe thermistor | Malfunction of low pressure equivalent saturated temperature sensor system | Malfunction of suction pipe thermistor | Malfunction of heat exchanger thermistor | Malfunction of thermistor (Refrigerant circuit) | Malfunction of thermistor (Refrigerant circuit) | Malfunction of thermistor (Refrigerant circuit) | Malfunction of high pressure sensor | Malfunction of low pressure sensor | | | | |
| | L | Malfunction of inverter system | Malfunction of inverter PCB | | EI. compo. box temperature rise | Malfunction of inverter radiation fin temperature rise | Inverter instantaneous overcurrent (DC output) | Inverter instantaneous overcurrent (AC output) | Total input overcurrent | Malfunction of overcurrent inverter compressor | Malfunction of inverter compressor startup error (Stall prevention) | Malfunction of power transistor | Malfunction of transmission between control and inverter PCB | | | | |
| | P | Shortage of refrigerant amount (thermal storage unit) | Power voltage imbalance or inverter PCB | Automatic refrigerant charge operation stop | Reactor temperature abnormality | Malfunction of radiation fin temperature sensor | | | | | | | | | | | |
| System | U | Shortage of refrigerant | Reverse phase, open phase | Malfunction of power supply or instantaneous power failure | Check operation not executed or transmission error | Malfunction of transmission between indoor and outdoor unit | Malfunction of transmission between indoor unit and remote controller | Malfunction of transmission between indoor units | Malfunction of transmission between outdoor units or outdoor storage unit | Malfunction of transmission between remote controllers | Malfunction of transmission (other system) | Improper combination of indoor and outdoor units | Malfunction of setting of centralized control equipment address | Malfunction of transmission between indoor unit and centralized control equipment | | | Malfunction of transmission (accessory device) |
| Others | 7 | System No. 2 Compressor overheat | System No. 2 Compressor overcurrent | System No. 2 Fan motor overcurrent | System No. 2 Actuation of high pressure switch (HPS) | System No. 2 Actuation of low pressure switch (LPS) | System No. 2 Malfunction of low pressure sensor | System No. 2 Malfunction of high pressure sensor | System No. 1 Malfunction of fan inter lock | System No. 2 Malfunction of fan inter lock | | System No. 2 Malfunction of compressor current sensor | Malfunction of pump inter lock | | | | |
| | 8 | Malfunction of entering water temperature thermistor | Malfunction of leaving water temperature thermistor or drain pipe heater | System No. 1 Malfunction of refrigerant thermistor | System No. 2 Malfunction of refrigerant thermistor | System No. 1 Malfunction of heat exchanger thermistor | System No. 2 Malfunction of heat exchanger thermistor | System No. 1 Malfunction of discharge pipe thermistor | System No. 2 Malfunction of discharge pipe temperature | Malfunction of brazed-plate heat exchanger freezing | Malfunction of dehumidification or leaving water temperature thermistor | | System No. 1 Malfunction of suction pipe thermistor 1 for heating | System No. 1 Malfunction of suction pipe thermistor 2 for heating | Abnormal hot water high temperature | | |
| | 9 | Abnormal chilled water quantity or abnormal AXP | System No. 2 Malfunction of electronic expansion valve | System No. 2 Malfunction of suction pipe thermistor | | | System No. 1 Malfunction of inverter system | System No. 2 Malfunction of inverter system | Malfunction of thermal storage unit | Malfunction of thermal storage brine pump | Malfunction of thermal storage brine tank | | System No. 2 Malfunction of suction pipe thermistor 1 for heating | System No. 2 Malfunction of suction pipe thermistor 2 for heating | | | |

Fan Coil

| Detail code | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | C | E | F | H | J |
|-------------|---|---|--|--|--|---|---|--|---|--|--|--|---|---|---|--|---|
| Division | | | | | | | | | | | | | | | | | |
| Indoor Unit | A | | | | Malfunction of drain level system | Malfunction of freezing protection | | | | | | | | | | Malfunction of dust collector of air cleaner | |
| | C | | | | | Malfunction of liquid pipe thermistor for heat exchanger | | | | | Malfunction of suction air thermistor | | | | | | Malfunction of thermostat sensor in remote controller |
| System | U | | Reverse phase, open phase | Malfunction of power supply or instantaneous power failure | Check operation not executed or transmission error | Malfunction of transmission between indoor and outdoor unit | Malfunction of transmission between indoor unit and remote controller | Malfunction of transmission between indoor units | Malfunction of transmission between outdoor units or outdoor storage unit | Malfunction of transmission between remote controllers | Malfunction of transmission (other system) | Improper combination of indoor and outdoor units | Malfunction of setting of centralized control equipment address | Malfunction of transmission between indoor unit and centralized control equipment | | | |
| | M | | Malfunction of central remote controller PCB | | | | | | | | Malfunction of transmission between optional controllers for centralized control | Improper combination of optional controllers for centralized control | Address duplication, improper setting | | | | |

Simple Self-Diagnosis by Malfunction Code

| Malfunction code | Malfunction Contents | Supposed causes | Objects | | | | | | |
|------------------|---|--|---------|--------|-----|---------|-------------------------|---------|----------|
| | | | RA | SkyAir | VRV | Package | Heat reclaim ventilator | Chiller | Fan Coil |
| R0 | External protection device activated | External protection device connected to the terminal strip T1-T2 of indoor unit is activated | | ○ | ○ | ○ | | | |
| R1 | Malfunction of indoor unit PCB | Defective indoor unit PCB External factor (Noise etc.) | ○ | ○ | ○ | ○ | ○ | ○ | |
| R3 | Drain Level Control System Abnormality | Drain clogging, upward slope, etc. Defective drain pump Defective float switch or short circuit connector | ○ | ○ | ○ | | ○ | ○ | |
| R4 | Malfunction of freezing protection | Shortage of water volume Low water temperature setting Defective water temperature thermistor | ○ | ○ | ○ | ○ | | ○ | ○ |
| R5 | High pressure control in heating, freeze-up protection control in cooling | Clogged air filter of indoor unit and short circuit Defect of indoor unit heat exchanger thermistor | ○ | ○ | ○ | ○ | | | |
| R6 | Malfunction of fan motor | Broken wires in, short circuit of, or disconnection of connectors from the fan motor harness Defective fan motor Defective indoor unit PCB | ○ | ○ | ○ | ○ | ○ | | |
| R7 | Malfunction of swing flap motor | Defective swing flap motor Defective indoor unit PCB Defective connection cable Defective airflow direction adjusting flap-cam | | ○ | ○ | | | | |
| R8 | Malfunction of power supply or AC input overcurrent | Defective power supply voltage Defective connection on signal line Defective wiring | | ○ | ○ | | ○ | | |
| R9 | Malfunction of electronic expansion valve | Defective electronic expansion valve coil Defective indoor unit PCB Defective relay cables | | ○ | ○ | ○ | ○ | ○ | |
| RR | Heater overheat | 26WH is activated | | | | ○ | | ○ | |
| RF | Malfunction of a humidifier system | Humidifier unit (optional accessory) leaking Defective drain piping (upward slope, etc.) Defective indoor unit PCB | | | ○ | ○ | | | |
| RH | Malfunction of dust collector of air cleaner | Defect of dust collecting element Stained insulator part Defect of high voltage power supply unit Defect of indoor unit PCB | ○ | ○ | ○ | | | | ○ |
| RU | Malfunction of capacity setting (Indoor unit PCB) | The capacity setting adaptor was not installed when replacing PCB. Defective indoor unit PCB | | ○ | ○ | ○ | | | |
| C1 | Failure of transmission (between indoor unit PCB and sub PCB) | Defective connection of the connector between indoor unit PCB | | ○ | ○ | | | | |
| C4 | Malfunction of liquid pipe thermistor for heat exchanger | Defective thermistor for liquid pipe Defective indoor unit PCB Defective connector contact | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| C5 | Malfunction of gas pipe thermistor for heat exchanger | Defective thermistor for gas pipe Defective indoor unit PCB Defective connector contact | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| C6 | Malfunction of fan motor sensor or fan control driver | Defective fan PCB Defective connection of capacity setting adaptor Field setting error | | ○ | ○ | | | | |
| C7 | Front panel driving motor fault | Defective front panel driving motor Defective limit switch | ○ | | | | | | |
| C9 | Malfunction of suction air thermistor | Defective thermistor for suction air Defective indoor unit PCB Defective connector contact | ○ | ○ | ○ | ○ | ○ | | ○ |
| CR | Malfunction of discharge air thermistor | Defective thermistor for discharge air Defective indoor unit PCB Defective connector contact | ○ | ○ | ○ | ○ | | | |
| CC | Malfunction of humidity sensor system | Defective humidity sensor Defective connector contact | ○ | ○ | | ○ | | | |
| CU | Room temperature thermistor in remote controller abnormality | Defective room temperature thermistor in remote controller Defective remote controller PCB External factor (Noise etc.) | ○ | ○ | ○ | ○ | | | ○ |

| Malfunction code | Malfunction Contents | Supposed causes | Objects | | | | | | |
|------------------|--|--|---------|--------|-----|---------|-------------------------|---------|----------|
| | | | RA | SkyAir | VRV | Package | Heat reclaim ventilator | Chiller | Fan Coil |
| E0 | Protection devices activated (unified) | Protection device connected to outdoor unit PCB actuated Defective protection device connector contact | | ○ | ○ | | | | ○ |
| E1 | Defective outdoor unit PCB | Defective outdoor unit PCB Defective connection of inside/ outside relay wires | ○ | ○ | ○ | ○ | | | ○ |
| E3 | Actuation of high pressure switch (HPS) | Dirty outdoor unit heat exchanger Defective high pressure switch Clogged refrigerant piping Defective connector contact | ○ | ○ | ○ | ○ | | | |
| E3 | System No.1 Actuation of high pressure switch (HPS) | Dirty outdoor unit heat exchanger Shortage of water volume Clogged refrigerant piping Defective connector contact Defective HPS | | | | | | | ○ |
| E4 | Actuation of low pressure switch (LPS) | Abnormally drop in low pressure Defective low pressure sensor Defective outdoor unit PCB Defective connector contact | | ○ | ○ | ○ | | | ○ |
| E5 | Inverter compressor motor or overheat | Inverter compressor lock High differential pressure Defective inverter PCB UVW connection error Defective connector contact | ○ | ○ | ○ | ○ | | | ○ |
| E6 | STD compressor motor overcurrent/lock | Defective compressor Defective control PCB The stop valve is not opened | ○ | ○ | ○ | ○ | | | |
| E6 | System No.1 Compressor overcurrent | Defective electronic expansion valve Shortage of refrigerant amount Defective compressor | | | | | | | ○ |
| E7 | Malfunction of outdoor unit fan motor system | Fan motor failure Neglect to connect or defective connection of harness/connector between the fan motor and the PCB Fan does not rotate due to foreign matters caught in it | ○ | ○ | ○ | ○ | | | ○ |
| E8 | Overcurrent of inverter compressor | Defective compressor Defective inverter main circuit capacitor Defect of outdoor unit PCB Defect of power transistor | ○ | | | | | | ○ |
| E9 | Malfunction of electronic expansion valve coil | Disconnection of connectors from electronic expansion valves Defective electronic expansion valve coil Defective outdoor unit control PCB | | ○ | ○ | ○ | | | ○ |
| E9 | Malfunction of four way valve or cool/heat switchin | Defective four way valve Shortage of gas Defective outdoor unit PCB Defective thermistor | ○ | | | | | | |
| E0 | Malfunction of entering water temperature | Cooling water temperature abnormality Defective outdoor unit PCB Defective thermistor | | | ○ | | | | |
| F3 | Malfunction of discharge pipe temperature | Defective discharge pipe thermistor Abnormal discharge pipe temperature Defective outdoor unit control PCB Defective connector contact | ○ | ○ | ○ | ○ | | | ○ |
| F6 | Abnormal high pressure or refrigerant overcharged | Refrigerant overcharged Disconnection of heat exchanger deicer thermistor Disconnection of outdoor air thermistor Disconnection of liquid pipe temperature thermistor Defective outdoor unit PCB | ○ | ○ | ○ | ○ | | | |
| H0 | Malfunction of sensor system of compressor | Harness is disconnected, or defective connection Defective PCB | ○ | | | | | | ○ |
| H1 | Malfunction of room temperature sensor or humidifier unit damper | Defective limit switch Defective damper | ○ | | | | | | ○ |
| H3 | Malfunction of high pressure switch (HPS) | Defective high pressure switch Broken wire Defective outdoor unit PCB Defective connector contact | ○ | ○ | ○ | ○ | | | ○ |
| H4 | Malfunction of low pressure switch (LPS) | Defective low pressure switch Broken wire Defective outdoor unit PCB Defective connector contact | | ○ | ○ | | | | ○ |

Simple Self-Diagnosis by Malfunction Code

| Malfunction code | Malfunction Contents | Supposed causes | Objects | | | | | | |
|------------------|--|--|---------|--------|-----|---------|-------------------------|---------|----------|
| | | | RA | SkyAir | VRV | Package | Heat reclaim ventilator | Chiller | Fan Coil |
| H5 | Malfunction of compressor motor overload thermistor | Defect of compressor motor overload thermistor Defective connector contact | ○ | | | | | ○ | |
| H6 | Malfunction of position detection sensor | Faulty contact of compress or cable Defective compressor Defective outdoor unit PCB | ○ | | | ○ | | | ○ |
| H7 | Malfunction of outdoor unit fan motor signal | Abnormal signal from fan motor (Circuit failure) Disconnection/Short circuit in fan motor leads or disconnection of connector Defective inverter PCB | | ○ | ○ | ○ | | | ○ |
| H8 | Malfunction of compressor input (CT) system | Defective power transistor Defective reactor Faulty wiring of inverter system Defective outdoor unit PCB | ○ | | | | | | ○ |
| H9 | Malfunction of outdoor air thermistor | Defective connection of thermistor Defective outdoor unit PCB Defective outdoor air thermistor | ○ | ○ | ○ | ○ | | | ○ |
| HC | Malfunction of (hot) water temperature thermistor | Defective connection of thermistor Defective outdoor unit PCB Defective water temperature thermistor | | ○ | ○ | | | | ○ |
| HF | Alarm in thermal storage unit or storage controller | Thermal storage group defective wiring Defective setting Excess of thermal storage tank numbers | | | ○ | | | | |
| HU | Malfunction of thermal storage tank water level | Low water level Defective switch setting Water level detecting sensor failure Defective connector contact | ○ | ○ | ○ | ○ | | | |
| J1 | Malfunction of pressure sensor | Defective pressure sensor connector contact Defective pressure sensor Defective outdoor unit PCB | | | ○ | ○ | | | ○ |
| J2 | Malfunction of current sensor of compressor | Defective current sensor Defective compressor Defective outdoor unit PCB | ○ | ○ | ○ | ○ | | | ○ |
| J3 | Malfunction of discharge pipe thermistor | Defective connection of thermistor Defective discharge pipe thermistor Defective outdoor unit PCB | ○ | ○ | ○ | ○ | | | ○ |
| J4 | Malfunction of low pressure equivalent saturated temperature sensor system | Defective connection of thermistor Defective thermistor Defective outdoor unit PCB | | | ○ | | | | ○ |
| J5 | Malfunction of suction pipe thermistor | Defective connection of thermistor Defective suction pipe thermistor Defective outdoor unit PCB | | ○ | ○ | ○ | | | ○ |
| J6 | Malfunction of heat exchanger thermistor | Defective connection of thermistor Defective heat exchanger thermistor Defective outdoor unit PCB | ○ | ○ | ○ | ○ | | | ○ |
| J7 | Malfunction of thermistor (Refrigerant circuit) | Defective connection of thermistor Defective liquid pipe thermistor Defective outdoor unit PCB | | | ○ | ○ | | | ○ |
| J8 | Malfunction of thermistor (Refrigerant circuit) | Defective connection of thermistor Defective liquid pipe thermistor Defective outdoor unit PCB | ○ | ○ | ○ | ○ | | | ○ |
| J9 | Malfunction of thermistor (Refrigerant circuit) | Defective connection of thermistor Defective gas pipe thermistor Defective outdoor unit PCB | ○ | ○ | ○ | ○ | | | ○ |
| J9 | Malfunction of high pressure sensor | Defective connector contact Connection of low pressure sensor in mistake for high pressure sensor Defective high pressure sensor Defective outdoor unit PCB | | ○ | ○ | ○ | | | ○ |
| JC | Malfunction of low pressure sensor | Defective connector contact Connection of high pressure sensor in mistake for low pressure sensor Defective low pressure sensor Defective outdoor unit PCB | | ○ | ○ | ○ | | | ○ |

| Malfunction code | Malfunction Contents | Supposed causes | Objects | | | | | | |
|------------------|--|--|---------|--------|-----|---------|-------------------------|---------|----------|
| | | | RA | SkyAir | VRV | Package | Heat reclaim ventilator | Chiller | Fan Coil |
| JE | Malfunction of oil pressure sensor or sub-tank thermistor | Defective connector contact Defective sub-tank thermistor Defective outdoor unit PCB | | | ○ | | | | |
| JF | Malfunction of oil level sensor or heating heat exchanger thermistor | Defective connector contact Defective heat exchanger thermistor Defective outdoor unit PCB | | | ○ | | | | |
| LD | Malfunction of inverter system | Shortage of power supply capacity Defective power transistor Defective outdoor unit PCB | | | ○ | | | | ○ |
| L1 | Malfunction of inverter PCB | Defective compressor wiring Defective outdoor unit fan motor Blown fuse Defective inverter PCB | | ○ | ○ | ○ | | | ○ |
| L3 | El.compo. box temperature rise | Fin temperature rise due to short circuit Defective outdoor unit fan motor Defective power transistor Defective outdoor unit PCB | ○ | ○ | ○ | | | | ○ |
| L4 | Malfunction of inverter radiation fin temperature rise | Fin temperature rise due to short circuit Defective fin thermistor | ○ | ○ | ○ | ○ | | | ○ |
| L5 | Inverter instantaneous overcurrent (DC output) | Defective compressor coil (such as wiring disconnection or insulation failure) Compressor startup failure (mechanical lock) Defective inverter PCB | ○ | ○ | ○ | ○ | | | ○ |
| L5 | Inverter instantaneous overcurrent (AC output) | Overcharge of refrigerant amount Shortage of power supply capacity Defective compressor Defective inverter unit | | | ○ | | | | ○ |
| L8 | Malfunction of overcurrent inverter compressor | Compressor overloaded Wiring disconnection in compressor coil Disconnection of compressor wiring Defective inverter PCB | ○ | ○ | ○ | ○ | | | ○ |
| L9 | Malfunction of inverter compressor startup error (Stall prevention) | The stop valve is not opened Defective compressor Error in wire connections to compressor Large differential pressure before compressor startup Defective inverter PCB | | ○ | ○ | ○ | | | ○ |
| LA | Malfunction of power transistor | Defective power transistor Defective compressor Defective inverter PCB | | | ○ | | | | ○ |
| LC | Malfunction of transmission between control and inverter PCB | Defective connection between the inverter PCB and the control PCB External factors (e.g. noise) Defective inverter compressor Defective control PCB (transmission block) | ○ | ○ | ○ | ○ | | | ○ |
| M1 | Malfunction of central remote controller PCB | Defective central remote controller PCB | ○ | ○ | ○ | ○ | | | ○ |
| M8 | Malfunction of transmission between optional controllers for centralized control | Other centralized control power disconnection Centralized control reset switch ON Defective transmission wiring Central remote controller address change | ○ | ○ | ○ | ○ | | | ○ |
| MR | Improper combination of optional controllers for centralized control | Improper combination of optional controllers for centralized control More than one master controller is connected Faulty setting of centralized control Defect of centralized control | ○ | ○ | ○ | ○ | | | ○ |
| MC | Address duplication, improper setting | Address duplication of central remote controller | ○ | ○ | ○ | ○ | | | ○ |
| PC | Shortage of refrigerant amount (thermal storage unit) | Shortage of refrigerant Clogged refrigerant piping | | | ○ | | | | ○ |
| P1 | Power voltage imbalance or inverter PCB | Open phase Interphase voltage imbalance Defective capacitor in the main circuit Defective wiring in the main circuit Defective inverter PCB | | ○ | ○ | ○ | | | ○ |

Simple Self-Diagnosis by Malfunction Code

| Malfunction code | Malfunction Contents | Supposed causes | Objects | | | | | | | |
|------------------|----------------------|--|---|--|-----|---------|-------------------------|---------|----------|---|
| | | | RA | SkyAir | VRV | Package | Heat reclaim ventilator | Chiller | Fan Coil | |
| Outdoor Unit | P2 | Automatic refrigerant charge operation stop | | ○ | ○ | ○ | | ○ | | |
| | P3 | Malfunction of thermistor in switch box | | ○ | ○ | ○ | | ○ | | |
| | P4 | Malfunction of radiation fin temperature sensor | Defective radiation fin temperature thermistor Defective inverter PCB Defective INV. compressor Defective fan motor | | ○ | ○ | ○ | | ○ | |
| | P8 | Heat exchanger freezing protection during automatic refrigerant charging | (Close the refrigerant cylinder. Start again from step 1.) | | ○ | ○ | ○ | | | |
| | P9 | Malfunction of fan motor (humidifier unit) | Defective fan motor Defective outdoor unit PCB Broken relay harness Defective connector contact | ○ | | | | | | |
| | P9 | Automatic refrigerant charge operation completed | — | | ○ | ○ | ○ | ○ | | |
| | PR | Refrigerant cylinder during automatic refrigerant charging | Refrigerant cylinder of master unit is empty | | ○ | ○ | ○ | | | |
| | PR | Broken wire of heater (humidifier unit) | Defective heater unit Defective thermistor Defective outdoor unit PCB | ○ | | | | | | |
| | PC | Refrigerant cylinder during automatic refrigerant charging | Refrigerant cylinder of slave unit 2 is empty | | | ○ | ○ | | | |
| | PE | Automatic refrigerant charge operation nearly completed | — | | ○ | ○ | ○ | | | |
| | PH | Refrigerant cylinder during automatic refrigerant charging | Defective heater unit Defective connector contact Defective thermistor Defective outdoor unit PCB | ○ | | ○ | ○ | | | |
| | PU | Malfunction of capacity setting (Outdoor unit PCB) | Capacity setting adaptor is not installed Improper capacity setting adaptor Defective outdoor unit PCB | | ○ | | | | | |
| | PU | Improper combination between inverter and fan driver | Mis-matching of type of PCB Improper (or no) field setting after replacing outdoor unit main PCB | | ○ | ○ | ○ | | ○ | |
| | System | U0 | Shortage of refrigerant | Refrigerant shortage and refrigerant clogging (wrong piping) Defective thermistor Defective low pressure sensor Defective outdoor unit main PCB | ○ | ○ | ○ | ○ | | ○ |
| U1 | | Reverse phase, open phase | Power supply reverse phase T phase open phase Defective outdoor unit PCB (A1P) | ○ | ○ | ○ | ○ | ○ | ○ | |
| U2 | | Malfunction of power supply or instantaneous power failure | Abnormal power supply voltage Instantaneous power failure Defective main circuit wiring | ○ | ○ | ○ | ○ | | ○ | |
| U3 | | Check operation not executed or transmission error | Check operation is not executed. | ○ | ○ | ○ | ○ | ○ | ○ | |
| U4 | | Malfunction of transmission between indoor and outdoor unit | Short circuit in indoor-outdoor or outdoor-outdoor transmission wiring (F1 / F2), or wrong wiring Outdoor unit power supply is OFF System address does not match Defective indoor unit PCB Defective outdoor unit PCB | ○ | ○ | ○ | ○ | ○ | ○ | |
| U5 | | Malfunction of transmission between indoor unit and remote controller | Transmission error between indoor unit and remote controller Connection of 2 main remote controllers (when using 2 remote controllers) Defective indoor unit PCB Defective remote controller PCB Transmission error caused by noise | ○ | ○ | ○ | ○ | | ○ | |
| U6 | | Malfunction of transmission between indoor units | Faulty wiring External factor (Noise etc.) Defective indoor unit PCB | | | ○ | ○ | | ○ | |

| Malfunction code | Malfunction Contents | Supposed causes | Objects | | | | | | | |
|------------------|----------------------|---|---|--------|-----|---------|-------------------------|---------|----------|--|
| | | | RA | SkyAir | VRV | Package | Heat reclaim ventilator | Chiller | Fan Coil | |
| System | U7 | Malfunction of transmission between outdoor units or outdoor storage unit | ○ | | ○ | ○ | | ○ | ○ | |
| | U8 | Malfunction of transmission between remote controllers | | ○ | ○ | ○ | ○ | ○ | ○ | |
| | U9 | Malfunction of transmission (other system) | | ○ | ○ | ○ | | ○ | ○ | |
| | UA | Defect of indoor/outdoor power supply | ○ | | | | | | | |
| | UB | Improper combination of indoor and outdoor units | | ○ | ○ | ○ | | ○ | | |
| | UC | Remote temperature setting wire disconnection | | | | | ○ | | | |
| | UD | Malfunction of setting of centralized control equipment address | | ○ | ○ | ○ | ○ | ○ | ○ | |
| | UE | Malfunction of transmission between indoor unit and centralized control equipment | | ○ | ○ | ○ | ○ | ○ | ○ | |
| | UF | System is not set yet | | ○ | ○ | ○ | ○ | | | |
| | UH | Malfunction of system | | ○ | | ○ | ○ | | | |
| | UI | Malfunction of transmission (accessory device) | | ○ | ○ | ○ | ○ | | ○ | |
| | Others | EO | External protection device activated (Heat reclaim ventilator) | | | | | | ○ | |
| | | E4 | Malfunction of indoor air thermistor (Heat reclaim ventilator) | | | | | | ○ | |
| | | E5 | Malfunction of outdoor air thermistor (Heat reclaim ventilator) | | | | | | ○ | |
| EA | | Malfunction of damper system (Heat reclaim ventilator) | | | | | | ○ | | |
| FO | | System No. 2 Compressor overheat | | | | | | | ○ | |
| FI | | System No. 2 Compressor overcurrent | | | | | | | ○ | |

Simple Self-Diagnosis by Malfunction Code

| Malfunction code | Malfunction Contents | Supposed causes | Objects | | | | | | |
|------------------|--|--|---------|--------|-----|---------|-------------------------|---------|----------|
| | | | RA | SkyAir | VRV | Package | Heat reclaim ventilator | Chiller | Fan Coil |
| 72 | System No. 2 Fan motor overcurrent | Defective fan motor connector contact Defective fan motor Defective PCB | | | | | | ○ | |
| 73 | System No. 2 Actuation of high pressure switch (HPS) | Dirty heat exchanger Shortage of water volume Clogged refrigerant piping Defective connector contact Defective HPS | | | | | | ○ | |
| 74 | System No. 2 Actuation of low pressure switch (LPS) | Clogged refrigerant piping Defective connector contact Shortage of gas Defective LPS | | | | | | ○ | |
| 75 | System No. 2 Malfunction of low pressure sensor | Defective connector contact Defective low pressure sensor Defective PCB | | | | | | ○ | |
| 76 | System No. 2 Malfunction of high pressure sensor | Defective connector contact Defective high pressure sensor Defective PCB | | | | | | ○ | |
| 77 | System No. 1 Malfunction of fan inter lock | Defective relay contact Broken wire | | | | | | ○ | |
| 78 | System No. 2 Malfunction of fan inter lock | Defective relay contact Broken wire | | | | | | ○ | |
| 79 | System No. 2 Malfunction of compressor current sensor | Defective current sensor Defective compressor Defective outdoor unit PCB | | | | | | ○ | |
| 7C | System No. 2 Malfunction of pump inter lock | Cooling water pump interlock actuated | | | | | | ○ | |
| 80 | Malfunction of entering water temperature thermistor | Defective connector contact Defective entering water temperature thermistor | | | | | | ○ | |
| 81 | Malfunction of leaving water temperature thermistor or drain pipe heater | Defective connector contact Defective leaving water temperature thermistor | | | | | | ○ | |
| 82 | System No. 1 Malfunction of refrigerant thermistor | Defective connector contact Defective refrigerant thermistor | | | | | | ○ | |
| 83 | System No. 2 Malfunction of refrigerant thermistor | Defective connector contact Defective refrigerant thermistor | | | | | | ○ | |
| 84 | System No. 1 Malfunction of heat exchanger thermistor | Defective connector contact Defective heat exchanger thermistor | | | | | | ○ | |
| 85 | System No. 2 Malfunction of heat exchanger thermistor | Defective connector contact Defective heat exchanger thermistor | | | | | | ○ | |
| 86 | System No. 1 Malfunction of discharge pipe thermistor | Defective connecting connector Defective discharge pipe thermistor | | | | | | ○ | |
| 88 | System No. 2 Malfunction of discharge pipe temperature | Shortage of gas Defective discharge pipe thermistor Defective connector contact Clogged refrigerant piping | | | | | | ○ | |
| 89 | Malfunction of brazed-plate heat exchanger freezing | Dirty heat exchanger Shortage of refrigerant amount Defective thermistor | | | | | | ○ | |
| 8A | System No. 2 Malfunction of leaving water temperature thermistor | Defective connector contact Defective leaving water temperature thermistor | | | | | | ○ | |
| 8E | System No. 1 Malfunction of suction pipe thermistor 1 for heating | Defective connector contact Defective suction pipe thermistor | | | | | | ○ | |
| 8F | System No. 1 Malfunction of suction pipe thermistor 2 for heating | Defective connector contact Defective suction pipe thermistor | | | | | | ○ | |

| Malfunction code | Malfunction Contents | Supposed causes | Objects | | | | | | |
|------------------|--|--|---------|--------|-----|---------|-------------------------|---------|----------|
| | | | RA | SkyAir | VRV | Package | Heat reclaim ventilator | Chiller | Fan Coil |
| 84 | Abnormal hot water high temperature | Three way valve malfunction Defective thermistor Defect of water temperature setting | | | | | | ○ | |
| 90 | Abnormal chilled water quantity or abnormal AXP | Shortage of water volume Disconnection of AXP | | | | | | ○ | |
| 91 | System No. 2 Malfunction of electronic expansion valve | Defective connector contact Defective electronic expansion valve coil | | | | | | ○ | |
| 92 | System No. 2 Malfunction of suction pipe thermistor | Defective connector contact Defective suction pipe thermistor | | | | | | ○ | |
| 94 | Malfunction of transmission (between heat reclaim ventilator and fan unit) | Defective fan unit PCB Defective connecting wire between (1) and (2) | | | | | ○ | | |
| 95 | System No. 1 Malfunction of inverter system | Defective fan inverter unit | | | | | | ○ | |
| 96 | System No. 2 Malfunction of inverter system | Defective fan inverter unit | | | | | | ○ | |
| 97 | Malfunction of thermal storage unit | Defective thermal storage unit | | | | | | ○ | |
| 98 | Malfunction of thermal storage brine pump | Actuation of thermal storage brine pump overcurrent (OC) | | | | | | ○ | |
| 99 | Malfunction of thermal storage brine tank | Low water level of thermal storage brine tank | | | | | | ○ | |

Others

Others