| *Refer the service manual of each model for more detail Trouble-Shooting. | | | | | | | | | | | Details | | | | | | |
|---|---------|--|---|---|--|---|--|--|--|--|---|--|--|---|---|--|--|
| | | 0 | 1 | 2 | З | Ч | 5 | 8 | 7 | 8 | 9 | 8 | Н | £ | J | Ε | F |
| Indoor | 8 | External protection devices activated | Indoor unit PCB assembly failure | Interlock error for fan | Drain level system error | Temp. of heat exchanger(1) error | Temp. of heat exchanger(2) error | Fan motor locked, overload, over current | Swing flap motor error | Over current of AC input | Electronic expansion valve drive error | Heater overheat | *Dust collector error *No- maintenance filter error | | Capacity setting error (Indoor) | Shortage of water supply | Malfunctions of a humidifier system (water leaking) |
| Unit | Ľ | Malfunctions in a sensor system | | | Sensor system of drain water error | Heat exchanger (1) (Liquid pipe) thermistor system error | | Sensor system error of fan motor locked, overload | Sensor system of swing flap motor error | Sensor system of over-current of AC input | Suction air thermistor error | Discharge air thermistor system error | Contamination sensor error | Humidity sensor error | Remote control thermistor error | Radiation sensor error | High pressure switch error |
| | E | Protection devices activated | Outdoor unit PCB assembly failure | | High pressure switch (HPS) activated | Low pressure switch (LPS) activated | Overload of inverter compressor motor | Over current of STD compressor motor | Overload of fan motor Over current of fan motor | Over current of AC input | Electronic expansion valve drive error | Four way valve error | Pump motor over current | Water temperature abnormal | (Site installed) Protection device activated | Malfunctions in a drain water | Ice thermal storage unit error |
| | Н | Malfunctions in a sensor system | Air temperature thermistor error | | High Pressure switch is faulty | Low pressure switch is faulty | Compressor motor overload sensor is abnormal | Compressor motor over current sensor is abnormal | Overload or over current sensor of fan motor is abnormal | Sensor system of over-current of AC input | Outdoor air thermistor system error | Discharge air thermistor system error | Pump motor sensor system of over current is abnormal | Water temperature sensor system error | | Sensor system of drain water is abnormal | Ice thermal storage unit error (alarm) |
| Outdoor | F | No.1 and No.2 common protection device operates. | ² No.1 protection device operates. | No.2 protection device operates. | Discharge pipe temperature is abnormal | | | Temp. of heat exchanger(1) abnormal | | | | Discharge pressure abnormal | Oil temperature is abnormally high | Suction pressure abnormal | | Oil pressure abnormal | Oil level abnormal |
| Unit | J | Sensor system error of refrigerant temperature | Pressure sensor error | Current sensor error | Discharge pipe thermistor system error | Low pressure equivalent satulated temp. sensor system error | Suction pipe thermistor system error | Heat exchanger(1) thermistor system error | Heat exchanger(2) thermistor system error | Oil equalizer pipe or liquid pipe thermistor system error | Double tube heat exchanger outlet or gas pipe thermistor system error | Discharge pipe pressure sensor error | Oil temperature sensor error | Suction pipe pressure sensor error | | Oil pressure sensor error | Oil level sensor error |
| | L | Inverter system error | | | Temperature rise in a switch box | Radiation fin (power transistor) temperature is too high | Compressor motor grounded or short circuit, inverter PCB fault | Compressor motor grounded or short circuit | Over current of all inputs | Compressor over current, compressor motor wire cut | Stall prevension error (start-up error) Compressor locked etc. | Power transistor error | | Communication error between inverter and outdoor control unit | | | |
| | P | Shortage of refrigerant (thermal storage unit) | Power voltage imbalance, open phase | | Sensor error of temperature rise in a switch box | temperature sensor error | DC current sensor system error | error | Total input current sensor error | | | | | | Capacity setting error (Outdoor) | | |
| Sustan | U | Low pressure drop due to insufficient refrigerant or electronic expansion valve error, etc | Reverse phase, Open phase | Power voltage failure Instantaneous power failure | Failure to carry out check operation, transmission error | Communication error between indoor unit and outdoor unit, communication error between outdoor unit and BS unit | *Communication error between remote control and indoor unit *Remote control board failure or setting error for remote control | Communication error between indoor units | *Communication error between outdoor units *Communication error between outdoor unit and ice thermal storage unit | between main and sub remote controllers (sub | unit and outdoor unit in the same system *Communication error | error of indoor/ BS/outdoor unit (model, guantity | Improper connection of transmission wiring between outdoor and outdoor unit outside control adaptor | Centralized address duplicated | Attached equipment transmission error | Communication error between indoor unit and centralized control device | operation |
| System | n// | | Centralized remote controller PCB error | | | | | | | Communication error between centralized remote control devices | | Centralized remote control devices inappropriate combination | | Centralized remote controller address setting error | | | |
| | З | | The humidity sensor of return air sensor | Outdoor air humidity sensor error | Supply air temp. sensor error | Return air temp. sensor error | Outdoor air temp. sensor error | Remote controller temp. sensor error | | | | Water leakage sensor 1 error | Water leakage sensor 2 error | Dew condensation sensor error | | | |
| Others | Ч | Humidifying valve error | Chilled water valve error | Hot water valve error | Heat exchanger of chilled water error | Heat exchanger of hot water error | | | | | | | | | | | |
| Others | 5 | | Fan motor of supply air over current or overload | Fan motor of return air over current Fan motor of return air overload | Inverter system error (supply air side) | Inverter system error (return air side) | | | | | | | | | | | |
| | 8 | All system error | PC board error | Ozone density abnormal | Contamination sensor error | Indoor air thermistor system error | Outdoor air thermistor system error | | | HVU error (Ventiair dustcollecting unit) | | Damper system error | Door switch error | Replace the humidity element | Replace the high efficiency filter | Replace the deodorization catalyst | Simplified remote controller error |



Simple Self-Diagnosis by malfunction code

| | | | | Troubl | e Part | | | | <u></u> | |
|---------------------|------------|---|---|---------------------------------------|------------------|----------------------|--|-------------------------|---------|-----|
| Error | | Description of Problem | | · · · · · · · · · · · · · · · · · · · | ed Circuit Board | | Error Contents | Objects | | |
| Code | | | | Outdoor Unit | Indoor Unit | Remote Controller | Endroments | Room Air Conditioner | SkyAir | VRV |
| | 81 | Micro-computer in PCB is not working | | _ | 0 | _ | PCB assembly fault or external factor (noise etc.) | — | 0 | 0 |
| | 83 | Drain level is too high | 0 | _ | _ | _ | Clogging of dirt in drain pipe, insufficient drain pipe slope, faulty drain pump | 0 | 0 | 0 |
| | <i>8</i> 5 | Heating; Overheating of indoor unit heat exchanger, Cooling; Freeze up of indoor unit heat exchanger | 0 | _ | _ | _ | Dirty air filter, Short circuit or Senser trouble of heat exchanger | 0 | _ | _ |
| | 88 | Fan motor error | 0 | _ | \triangle | _ | Fan motor lock, overload or faulty connection | | 0 | 0 |
| | 87 | Swing flap motor error | 0 | _ | | _ | Faulty swing flap motor, faulty connection | _ | 0 | 0 |
| Indoor Unit | RH | Dust collector error | 0 | _ | _ | _ | Faulty dust collector or dirty element | _ | 0 | 0 |
| oopu | RJ | Capacity setting error | _ | _ | 0 | _ | Faulty capacity setting or address setting error | _ | 0 | 0 |
| | [3 | The resistance of the water level sensor is abnormal. | 0 | | \triangle | _ | Faulty water level sensor, cable disconnection or short circuit of sensor | | 0 | 0 |
| | ĽY | The resistance of the indoor unit heat exchanger thermistor is abnormal. | 0 | | \triangle | _ | Faulty heat exchanger thermistor, cable disconnection or short circuit of thermistor | 0 | 0 | 0 |
| | [9 | The resistance of the indoor unit suction air thermistor is abnormal. | 0 | | \triangle | _ | Faulty suction air thermistor, cable disconnection or short circuit of thermistor | 0 | 0 | 0 |
| | EE | The resistance of the indoor unit radiation thermistor is abnormal. | 0 | | \triangle | _ | Faulty radiation thermistor, cable disconnection or short circuit of thermistor | | 0 | 0 |
| | ٤J | The resistance of the remote controller thermistor is abnormal. | | | | 0 | Faulty remote controller thermistor (built in remote controller) | | 0 | 0 |
| | <i>E0</i> | Outdoor unit protection devices activated | 0 | | | | Clogging of refrigerant piping system, insufficient refrigerant or compressor/fan motor fault | | 0 | 0 |
| | <i>E3</i> | High pressure is too high (HPS activation) | 0 | | | | Condenser air shot circuit, overload or dirty heat exchanger | 0 | 0 | 0 |
| | EЧ | Low pressure is too low (LPS activation) | 0 | | | _ | Clogging of refrigerant piping system, insufficient refrigerant or faulty LPS switch | _ | 0 | 0 |
| Unit | <i>E</i> 5 | Overheating of compressor (OL activation) | 0 | | | _ | Clogging of refrigerant piping system, insufficient refrigerant, faulty OL or connection | 0 | _ | _ |
| Outdoor Unit | F3 | Outdoor unit discharge temperature is too high | 0 | | | _ | Clogging of refrigerant piping system, insufficient refrigerant or faulty dicharge temp. thermistor | | 0 | 0 |
| Out | H9 | The resistance of the outdoor air temp. thermistor is abnormal. | O | | | | Faulty outdoor air thermistor, cable disconnection or short circuit of thermistor | 0 | 0 | 0 |
| | J5 | The resistance of the suction pipe temp. thermistor is abnormal. | 0 | | | | Faulty suction pipe thermistor, cable disconnection or short circuit of thermistor | 0 | 0 | 0 |
| | JS | The resistance of the outdoor heat exchanger thermistor is abnormal. | 0 | | | | Faulty outdoor heat exchanger thermistor, cable disconnection or short circuit of thermistor | 0 | 0 | 0 |
| | P1 | Power voltage imbalance, open phase | 0 | | | | 3 phase power voltage imbalance or open phase | | 0 | 0 |
| | UD | Suction pipe temperature is too high | O | | | | Clogging of refrigerant piping system, insufficient refrigerant or expansion valve fault etc. | 0 | 0 | 0 |
| | U1 | Reverse phase | O | | | | Reverse phase of 3 phase power supply | 0 | 0 | 0 |
| tem | U2 | Open phase or power voltage imbalance | O | | | | Open phase or voltage imbalance of power supply, instantaneous power failure, DC voltage to fan motor too low | 0 | 0 | 0 |
| System | UЧ | Communication error between indoor and outdoor units or outndoor and BS units | O | 0 | 0 | | Interconnection wire mistake, external factor (noise etc.), indoor or outdoor PCB fault | 0 | 0 | 0 |
| | US | Communication error between indoor unit and remote controller | 0 | | 0 | 0 | Interconnection wire mistake, external factor (noise etc.), indoor or remote controller PCB fault | 0 | 0 | 0 |
| | UR | Combination error of indoor/BS/outdoor unit (model, quantity etc.), Setting error of PCB at site | 0 | | | | Incorrect combination of indoor/BS/outdoor unit (model, quantity etc.), Setting error of spare parts PCB when replaced | 0 | 0 | 0 |

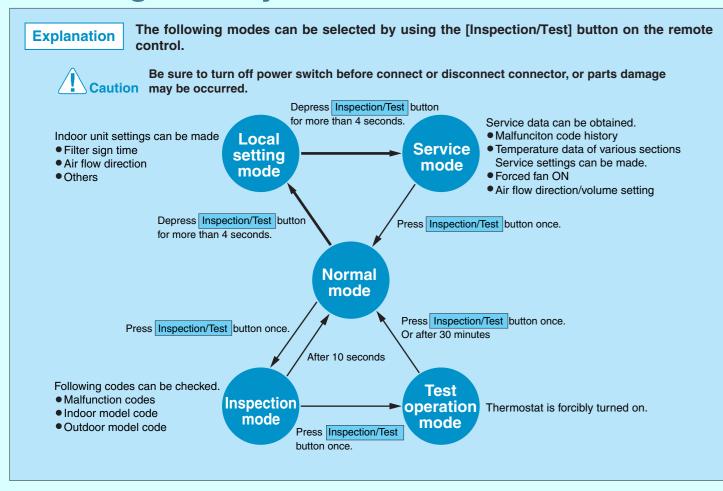
🔘 : The possibility of failure is large. 🔘 : The possibility of failure. 🛆 : In most cases, it is normal — : There is not possibility of failure.

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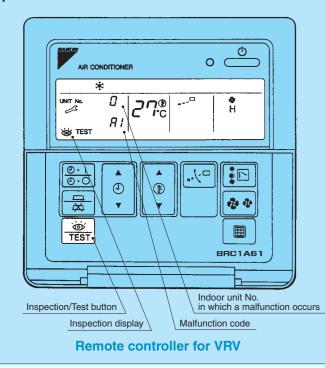
www.daikineurope.com

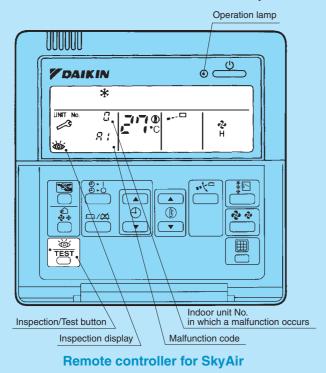
SkyAir or VRV

Self-Diagnosis by Wired Remote Controller



If operation stops due to malfunction, the remote controller's operation LED blinks, and malfunction code is displayed. (Even if stop operation is carried out, malfunction contents are displayed when the inspection mode is entered.) The malfunction code enables you to tell what kind of malfunction caused operation to stop.



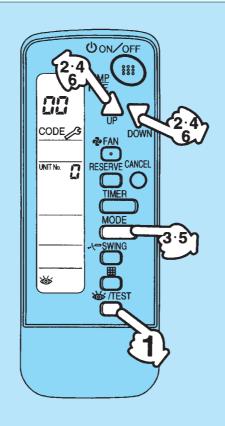


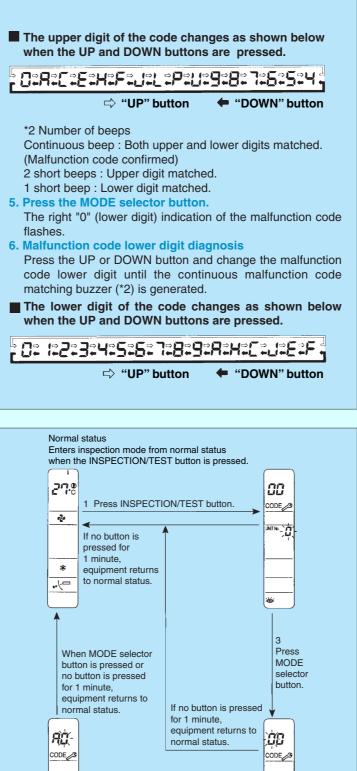
Self-Diagnosis by Wireless Remote Controller

If equipment stops due to a malfunction, the operation indicating LED on the light reception section flashes. The malfunction code can be determined by following the procedure described below. (The malfunction code is displayed when an operation error has occurred. In normal condition, the malfunction code of the last problem is displayed.)

Procedure

- 1. Press the INSPECTION/TEST button to select "Inspection.' The equipment enters the inspection mode. The "Unit" indication lights and the Unit No. display shows flashing "0" indication.
- 2. Set the Unit No. Press the UP or DOWN button and change the Unit No.
- display until the buzzer (*1) is generated from the indoor unit.
- *1 Number of beeps
- 3 short beeps : Conduct all of the following operations.
- 1 short beep : Conduct steps 3 and 4.
- Continue the operation in step 4 until a buzzer remains ON. The continuous buzzer indicates that the malfunction code is confirmed
- Continuous beep : No abnormality
- 3. Press the MODE selector button. The left "0" (upper digit) indication of the malfunction code flashes.
- 4. Malfunction code upper digit diagnosis Press the UP or DOWN button and change the malfunction code upper digit until the malfunction code matching buzzer (*2) is generated.





5 Press MODE selector button.

*

Room Air Conditioner

Self-Diagnosis by Wireless Remote Controller

In the ARC433A series remote controller, the temperature display sections on the main unit indicate corresponding codes.

Check Method 1

1. When the timer cancel button is held down for 5 seconds, a "[][]" indication flashes on the temperature display section.

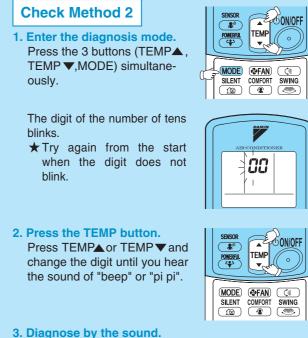
| AIR-CONDITIONER CIN-CONDITIONER CIN-CONDITIONER CIN-CIN-CIN-CIN-CIN-CIN-CIN-CIN-CIN-CIN- | |
|---|---------------------|
| SENSOR R* POWERAL CONVOFF TEMP V | |
| Imode Image: Application of the second se | |
| ON CANCEL OFF TIMER | TIMER CANCEL button |
| | |
| <arc433a41></arc433a41> | |

- 2. Press the timer cancel button repeatedly until a continuous beep is produced
- The code indication changes in the sequence shown below, and notifies with a long beep.

| No. | Code | No. | Code | No. | Code |
|-----|------------|-----|-----------|-----|------|
| 1 | 00 | 12 | F6 | 23 | 81 |
| 2 | UЧ | 13 | 67 | 24 | E1 |
| 3 | LS | 14 | <i>R3</i> | 25 | UR |
| 4 | <i>E6</i> | 15 | H8 | 26 | UH |
| 5 | HS | 16 | H9 | 27 | PЧ |
| 6 | HO | 17 | 69 | 28 | L3 |
| 7 | <i>R</i> 5 | 18 | ٤ч | 29 | LY |
| 8 | <i>E</i> 7 | 19 | ٤5 | 30 | H7 |
| 9 | UD | 20 | JЗ | 31 | U2 |
| 10 | F3 | 21 | JБ | 32 | ER |
| 11 | <i>R</i> 5 | 22 | ES | 33 | RH |

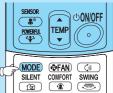
Note:

- 1. A short beep and two consecutive beeps indicate non-corresponding codes.
- 2. To cancel the code display, hold the timer cancel button down for 5 seconds. The code display also cancels itself if the button is not pressed for 1 minute.

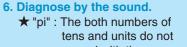


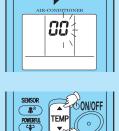
- ★ "pi" : The number of tens does not accord with the error code
- \star "pi pi" : The number of tens accords with the error code.
- ★ "beep" : The both numbers of tens and units accord with the error code.

4. Enter the diagnosis mode again. Press the MODE button. The digit of the number of units blinks.

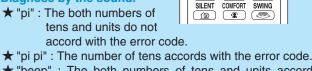


5. Press the TEMP button. Press TEMP▲ or TEMP▼and change the digit until you hear the sound of "beep".





MODE @FAN accord with the error code.



- ★ "beep" : The both numbers of tens and units accord with the error code.
- 7. Determine the error code. The digits indicated when you hear the "beep" sound are error code
- 8. Exit from the diagnosis mode. Press the MODE button.

