

# Daikin Trouble Shooting Guide

Past & Current Models

## Daikin Fault Codes

### Indoor Fault Codes

Fault Code	Definition	Supposed Causes	Split	Skyair	VRV	Package
A0	External protection active	External protection wired to T1-T2 active		•	•	•
A1	Failure of indoor PCB	Defect of PCB or noise	•	•	•	•
A3	High water level	Float switch open circuit	•	•	•	
A5	HP control in heating or freeze protection in cooling	Poor airflow, short circuit, EEV, refrigerant charge, indoor coil sensor incorrect value	•			
A6	Fan motor failure	Locked, over current, over load	•	•	•	•
A7	Failure of louvre motor	Louvre motor/indoor PCB failed		•	•	
A8	Failure of power supply	Over current of AC input, defect of supply		•	•	
A9	EEV failure	Defect of EEV motor, indoor PCB		•	•	
AF	High water level	Float switch open circuit while thermo off		•	•	
AH	Failure of dust collector	Defect of dust collecting element, PCB	•	•	•	
AJ	Capacity setting error	Capacity setting adaptor missing		•	•	•
C1	Communication failure. Between main-sub PCB	Failure of communication fan motor control driver		•	•	
C4	Indoor coil sensor	Open/short circuit	•	•	•	•
C5	Suction pipe sensor	Open/short circuit	•		•	•
C6	Failure of fan motor driver	Defect of fan motor sensor, control driver		•	•	
C7	Front panel driving motor fault	Defect of limit switch, front panel driving motor	•			
C9	Return air sensor fault	Return air sensor open/short circuit	•	•	•	•
CA	Discharge air sensor fault	Discharge air sensor open/short circuit		•	•	
CC	Failure of humidity sensor	Failed humidity sensor	•	•		
CJ	Failure of remote sensor	Defect of remote controller sensor		•	•	

## Daikin Fault Codes

### Outdoor Fault Codes

Fault Code	Definition	Supposed Causes	Split	Skyair	VRV	Package
E0	Protection devices tripped	Outdoor safety device tripped		•	•	•
E1	Failure of outdoor PCB	Defect of PCB or noise	•	•	•	•
E3	High pressure	High pressure switch tripped	•	•	•	
E4	Low pressure	Low pressure switch tripped		•	•	•
E5	Inverter compressor lock	Inverter compressor locked		•	•	•
E5	Inverter compressor to hot	Compressor windings too hot	•			
E6	DOL compressor locked	High current draw	•	•	•	•
E7	Fan motor failure	Failed fan motor, PCB	•	•	•	•
E8	Inv compressor high current	Compressor, PCB	•	•	•	
E9	EEV motor failure	EEV motor, PCB		•	•	•
EA	4-way valve failure	Defect of valve, PCB, sensor	•			
EC	Inlet water temperature	Abnormal water temperature			•	
EF	Thermal storage unit defect	Thermal storage EEV, PCB, sensor			•	
F3	High discharge temperature	Discharge temperature over 110°C	•	•	•	•
F6	High pressure in cooling	Detected by outdoor coil sensor	•			
F6	Over charged	Refrigerant over charge			•	•
H0	Compressor sensor system	All sensors disconnected	•			
H1	Failure of humidifier damper	Defect of limit switch/damper	•			
H3	Failure of hp switch	High pressure switch open circuit	•	•	•	•
H4	Failure of lp switch	Low pressure switch open circuit		•	•	
H5	Failure of compressor sensor	Defect of compressor overload sensor	•			
H6	Compressor position failure	Position detection error	•			
H7	Failure of fan motor signal	Defect of fan motor, PCB		•	•	•
H8	Compressor input error	Defect of transistor, PCB, reactor	•			
H9	Failed ambient sensor	Sensor open short circuit	•	•	•	•
J1	Failed pressure sensor	Pressure sensor failed		•	•	
J2	Failed current sensor	Defect of current sensor, PCB, compressor		•	•	•
J3	Failed discharge pipe sensor	Discharge pipe sensor open/short circuit	•	•	•	•
J4	Failed outdoor coil vapour sensor	Sensor open/short circuit	•		•	
J5	Failed suction pipe sensor	Sensor open/short circuit	•	•	•	•
J6	Failed outdoor coil sensor	Sensor open/short circuit	•	•	•	•
J7	Failed liquid pipe sensor	Sensor open/short circuit		•	•	•
J8	Failed liquid pipe sensor	Sensor open/short circuit		•		
J9	Failed sub cool heat exchanger sensor	Sensor open/short circuit	•	•	•	•
JA	Failed high pressure sensor	High pressure sensor open/short circuit		•	•	•
JC	Failed low pressure sensor	Low pressure sensor open/short circuit		•	•	•
JH	Failed oil temperature sensor	Open/short circuit			•	

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### Daikin Fault Codes

#### Outdoor Fault Codes

Fault Code	Definition	Supposed Causes	Split	Skyair	VRV	Package
L0	Failure of inverter system	Defect power transistor, inverter PCB			•	
L1	Failure of inverter PCB	Blown fuse, defect of inverter PCB, fan motor		•	•	
L3	Electrical box temperature over 120°C when comp' off	Defect of fan motor, PCB, power transistor	•			
L4	Fin temperature over 93°C	Failed sensor, short circuit of airflow	•	•	•	•
L5	Inverter instantaneous DC over current	Defect of inverter PCB, compressor lock/windings	•	•	•	•
L6	Inverter instantaneous AC over current	Defect of inverter unit, compressor lock/windings			•	
L8	Over current of inverter compressor	Defect of inverter PCB compressor lock/ windings		•	•	•
L9	Inverter compressor start-up failure	Defect of inverter PCB compressor lock/ windings, refrigerant charge		•	•	•
LA	Failure of power transistor	Defect of power transistor, PCB, compressor			•	
LC	Communication fails between PCB & micro-computer	Noise, defect of PCB	•			
LC	Communication fails between main & inverter PCB	Defect of inverter PCB, main PCB, fan PCB, noise filter, compressor		•	•	•
P1	Imbalance of power supply	Open phase, imbalance between phases, Defect of main capacitor, inverter PCB		•	•	•
P2	Automatic refrigerant charge operation stop	Closed stop valve, closed refrigerant cylinder valve			•	
P3	Rise in electrical box temperature	Defect of fin sensor, PCB, rise in ambient temperature	•	•		
P4	Failed radiating fin sensor	Sensor open/short circuit	•	•	•	•
P8	Coil freeze protection during Automatic charging	Close refrigerant cylinder and start again			•	
P9	Failure of humidifier fan motor	Defect of fan motor, PCB	•			
P9	Automatic charge operation completed				•	
PA	Broken humidifier heater wire	Blown thermal fuse, broken heater element	•			
PA	Refrigerant cylinder empty	Cylinder on master unit empty			•	
PC	Refrigerant cylinder empty	Cylinder on slave unit empty			•	
PE	Auto charge nearly completed				•	
PH	Humidifier outlet temperature sensor/abnormal heater temp'	Sensor open/short circuit, defect of PCB, defect of heater unit	•			
PJ	Capacity not set	Capacity setting adaptor not fitted		•		
PJ	Capacity setting error	Incorrect capacity setting			•	•

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## Daikin Fault Codes

### System Fault Codes

Fault Code	Definition	Supposed Causes	Split	Skyair	VRV	Package	HRV
U0	Shortage of refrigerant	Undercharged, EEV fault, faulty sensor	•	•	•	•	
U1	Reverse or missing phase	Reversed or missing phase	•	•	•	•	
U2	Power supply fault	Power supply fault, capacitor wiring error	•	•	•	•	
U3	Check operation not executed	Check operation not carried out at commissioning or after main PCB replaced			•		
U4	Communication failure, between indoor & outdoor	Wiring fault, defect of PCB, pump wired across communication wiring	•	•	•	•	•
U5	Communication failure, between r/controller & PCB	Wiring fault, defect of Remote controller & PCB	•	•	•	•	•
U6	Communication failure between indoor units	Wiring fault, defect of indoor PCB			•		
U7	Communication failure, between outdoor PCB's	Defect of outdoor PCB, wiring error between PCB's	•				
U7	Communication failure between outdoor units	Wiring error between outdoor units, defect of outdoor PCB		•	•		
U8	Communication failure between remote controllers	Main/sub switch not set, wiring error, defect of remote controller		•	•	•	•
U9	System communication failed	Fault with other indoor unit, no power, A9			•		
UA	Improper combination	Incorrect field setting, wiring, defect of PCB	•				
UA	Incorrect field setting	Field setting incorrect (twin/triple), error in Wiring, defective PCB	•				
UA	Improper combination of Indoor/outdoor units	Excess of indoor units, incorrect PCB Setting, defective PCB			•	•	•
UC	Error in address setting	Duplicated central control address		•	•	•	•
UE	Communication failure between indoor central device	Wiring error between indoor unit & central control, defect of indoor PCB, setting error		•	•	•	•
UF	Wiring/piping mismatch	Wiring error indoor to outdoor, PCB defect		•	•	•	
UH	System malfunction	Unaddressed indoor unit			•	•	
UH	System malfunction	Mismatched indoor/outdoor, freeze protect	•				
UJ	Communication failure	Defect of accessory device, wiring error			•		
M1	Central controller failed	Failure of central controller PCB	•	•	•	•	•
M8	Communication failure between central & options	Communication failed between central controller & optional controllers	•	•	•	•	•
MA	Improper combination of optional controllers	Incorrect settings, faulty central controller	•	•	•	•	•
MC	Duplicated address	Duplicated central controller address	•	•	•	•	•
60	Overall alarm	Open circuit across J1-JC					•
64	Failed return air sensor	Sensor open/short circuit					•
65	Failed ambient sensor	Sensor open/short circuit					•
6A	Failure of damper system	Defect of damper motor, limit switch, PCB					•

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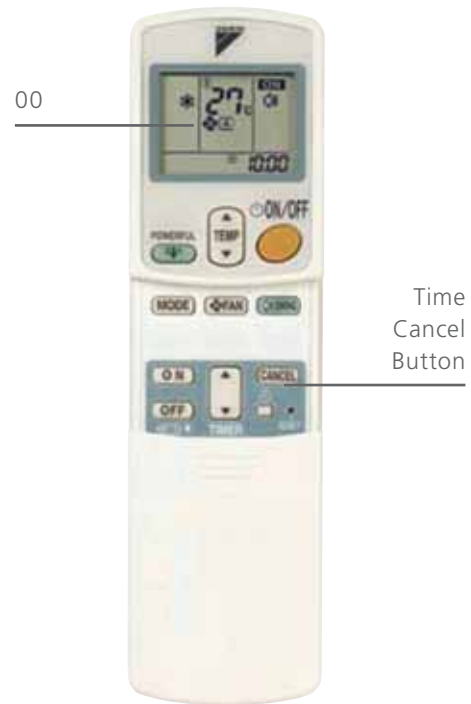
### Fault Code Retrieval with Infra Red Remote Controller

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

1. When the timer cancel button is held down for 5 seconds, a "00" indication flashes on the temperature display section.
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	11	E7	21	UA
2	U4	12	C7	22	A5
3	F3	13	H8	23	J9
4	E6	14	J8	24	E8
5	L5	15	A3	25	P4
6	R6	16	A1	26	L3
7	E5	17	C4	27	L4
8	LC	18	C5	28	H6
9	C9	19	H9	29	H7
10	UC	20	J6	30	U2

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 display also cancels itself if the button is not pressed for 1 minute.



### SkyAir, VRV Infra Red Remote Controller Wireless Controllers – Fault diagnostics

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 a flashing "0" indication.
2. Set the Unit No. by pressing the UP/DOWN button & change the Unit No. display until a short beep is generated by the indoor unit.
3. Press the MODE button. The left "0" flashes.
4. Press the UP/DOWN button & change display until 2 short beeps are heard. First part of fault code.
5. Press the MODE button. The right "0" flashes.
6. Press the UP/DOWN button & change the display until 1 short beep is heard or a continuous beep is heard indicating both digits match the fault code.

