

LG AIR CONDITIONING FAULT CODES

Error Code / Key Word	Response
00	Text the 1, 2 or 3 digit fault code number only. I.e. If you see fault code CH07 on your indoor unit or R/Controller, only type 7 or 07 in your text message.
01	Indoor unit return air sensor fault. Disconnect sensor from PCB and measure resistance. 8 kOhm at 30C and 13 kOhm at 20C if not replace sensor
1	Indoor unit return air sensor fault. Disconnect sensor from PCB and measure resistance. 8 kOhm at 30C and 13 kOhm at 20C if not replace sensor
02	Indoor Pipe Sensor or Outdoor Sensor Assy fault, Open or Short. Disconnect from PCB and measure resistance. Air sensor = 10 kOhm at 25C, Pipe sensor = 5 kOhm at 25C. If not replace sensor.
2	Indoor Pipe Sensor or Outdoor Sensor Assy fault, Open or Short. Disconnect from PCB and measure resistance. Air sensor = 10 kOhm at 25C, Pipe sensor = 5 kOhm at 25C. If not replace sensor.
03	Remote controller comms error. Check wired correctly, if so check dipswitch in RC. Set to Sg for 1 unit, or Gr for group then reset power
3	Remote controller comms error. Check wired correctly, if so check dipswitch in RC. Set to Sg for 1 unit, or Gr for group then reset power
04	RAC Product = Heat Sink Sensor Error, Open/Short Cct or over 95C. Commercial Product = Condensate pump float switch risen. Check drain pan is empty, check pump is working OK. If no pump check blue jumper plug is inserted in socket CN Float.
4	RAC Product = Heat Sink Sensor Error, Open/Short Cct or over 95C. Commercial Product = Condensate pump float switch risen. Check drain pan is empty, check pump is working OK. If no pump check blue jumper plug is inserted in socket CN Float.
05	Comms Error, check your wiring, remove external pumps. Split/Multi - check volts from terminal N to 3 = 0 - 65 Vdc, Multi V - 4 Vdc terminals 3 and 4
5	Comms Error, check your wiring, remove external pumps. Split/Multi - check volts from terminal N to 3 = 0 - 65 Vdc, Multi V - 4 Vdc terminals 3 and 4
06	Indoor unit coil sensor fault. Disconnect from PCB measure resistance. 10 kOhm at 10C and 4 kOhm at 30C. if not replace sensor. Split = text 21
6	Indoor unit coil sensor fault. Disconnect from PCB measure resistance. 10 kOhm at 10C and 4 kOhm at 30C. if not replace sensor. Split = text 21
07	Multi Splits and Multi V = indoor unit is set to run in a different mode from the master indoor unit. Set ALL indoor units to cooling or ALL to heating to clear. Splits = Compressor Over Current (CT2), also see Code 06.
7	Multi Splits and Multi V = indoor unit is set to run in a different mode from the master indoor unit. Set ALL indoor units to cooling or ALL to heating to clear. Splits = Compressor Over Current (CT2), also see Code 06.
08	RAC Indoor unit BLDC Fan problem. This is caused by the Indoor fan being locked. Check fan motor is plugged in correctly, Electrically & Mechanically sound. Check the fan motor turns freely, check the AC Voltage supplied to the fan motor, this will vary from 120 V ac at low speed to 170V AC at high speed. If no Voltage is present the the PCB is faulty. if Voltage is present the fan motor will be Faulty.
8	RAC Indoor unit BLDC Fan problem. This is caused by the Indoor fan being locked. Check fan motor is plugged in correctly, Electrically & Mechanically sound. Check the fan motor turns freely, check the AC Voltage supplied to the fan motor, this will vary from 120 V ac at low speed to 170V AC at high speed. If no Voltage is present the the PCB is faulty. if Voltage is present the fan motor will be Faulty.
09	Split = Outdoor unit fan problem. Check Outdoor fan motor is plugged in, Electrically & Mechanically sound, if not replace motor, otherwise replace PCB. Multi V= Indoor unit EEPROM error - Replace the indoor unit PCB, and then make sure to do Auto addressing and input the address of central control.
9	Split = Outdoor unit fan problem. Check Outdoor fan motor is plugged in, Electrically & Mechanically sound, if not replace motor, otherwise replace PCB. Multi V= Indoor unit EEPROM error - Replace the indoor unit PCB, and then make sure to do Auto addressing and input the address of central control.
10	RAC Product: Compressor discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C, 168 kOhm at 30C. Multi Fdx & Multi V text 8
11	Multi V indoor unit not connected to an outdoor unit. Check comms wiring is correct, and check initialisation has been carried out correctly
12	RAC Product = EEPROM Sum Check Error, text 60 for help.
13	RAC Product = PSC (Reactor) Error, text 27 for help.
14	RAC Product = Compressor Phase Current Error
15	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
16	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
17	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
18	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
19	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
20	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
21	Inverter compressor run current high. Check compressor windings all equal 1 to 4 Ohms, Check to earth 50 MOhm minimum, check run current
22	Inverter compressor run current high. Check compressor windings all equal 1 to 4 Ohms . Check to earth 50 MOhm minimum, check run current
23	Inverter dc voltage low. Check dc voltage of capacitors 300 Vdc for 1Ph and 600 Vdc for 3Ph. If OK change outdoor inverter PCB
24	Splits and Multi Splits = High or low pressure trip. Low at 1 bar High at 35 bar check pressures. Multi V = High pressure trip.
25	Check power supply voltage to the outdoor unit is correct (1ph ?220 Vac ±10% or 3ph ?380 Vac ±10%). If OK, check fuses, if fuses are OK replace outdoor main PCB
26	Inverter compressor seized. Check compressor windings all equal resistance 1 to 4 Ohms, check to earth 50 MOhm minimum, check run current and Inverter outputs
27	Inverter current irregularity. Check inverter PCB, check reactor connections and its resistance is less than 1 ohm.
28	Inverter dc voltage too high. Check dc voltage of capacitors 300 Vdc for 1Ph and 600 Vdc for 3Ph. If OK change outdoor inverter PCB
29	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
30	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
31	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
32	Inverter compressor discharge temperature too high. If over 105°C, check refrigerant charge
33	Excessive rise of standard compressor discharge temperature. If over 105°C check refrigerant charge
34	Excessive high pressure rise, over 35 bar at HP sensor. Check pressures, check coils, and filters are clean check for OFN in system pipework
35	Excessive low pressure drop under 1 Bar at LP sensor. Check pressures, and check service valves open
36	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
37	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
38	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
39	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
40	Inverter ac current abnormal. Check compressor windings all equal resistance 1 to 4 Ohms, check to earth 50 MOhm minimum, check run current and inverter outputs
41	Inverter compressor discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C and 168 kOhm at 30°C.
42	Low pressure sensor fault. Check dc voltage between white and black cable on plug. Multi V: 1 Vdc - 4 bar up to 5 Vdc - 32 bar
43	High pressure sensor fault. Check dc voltage between white and black cable on plug. Multi V: 1 Vdc = 8 bar up to 2.5 Vdc = 37 bar
44	Outdoor unit air sensor fault. Disconnect from PCB and measure resistance. 8 kOhm at 30C and 13 kOhm at 20C. If OK replace PCB, if not replace sensor
45	Outdoor unit coil sensor fault. Disconnect from PCB measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. If OK replace PCB, if not replace sensor
46	Outdoor unit suction sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. If OK replace PCB, if not replace sensor
47	Compressor discharge sensor fault. Disconnect from PCB measure resistance. 237 kOhm at 20°C and 168 kOhm at 30°C. If OK replace PCB, if not replace sensor
48	Split/Multi Split = Outdoor unit discharge and air sensor both unplugged. Multi V = Outdoor unit coil sensor. Text 45 for diagnostics
49	Check power supply voltage to the outdoor unit is correct (1ph ?220 Vac ±10% or 3ph ?380 Vac ±10%). If OK check fuses, if fuses OK, replace outdoor main PCB
50	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
51	Unit mismatch. Check model number of units do not exceed maximum. Multi V - also check Sub outdoor unit dipswitch settings
52	Communication error between inverter PCB and main outdoor unit PCB. Check wiring fuses and LEDs . If OK either inverter or main PCB defective
53	Comms error indoor to outdoor unit. Check your wiring . Split and Multi - check voltage from terminal N to 3 = 0 - 65 Vdc, Multi V - 4 Vdc terminals 3 and 4
54	Reverse or open phase. Check all 3 phases are present and correct. If correct voltage appears at all three phases, swap any two to cure the fault
55	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message

LG AIR CONDITIONING FAULT CODES

Error Code / Key Word	Response
56	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
57	Comms error between outdoor main PCB and inverter PCB. Check wiring fuses and LEDs are lit. If OK either inverter or main PCB defective
58	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
59	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
60	Outdoor unit PCB EEPROM failure, try removing EEPROM and refitting if removable (possible contact fault), otherwise replace PCB if the EEPROM is nonremovable.
61	Condenser coil over 65°C. Check coil and filters are clean and free from debris, and airflow is OK. Check system pressures for non-condensables
62	Inverter over 85°C. Check air flow across heat sink, check inverter tight to heatsink use thermal paste. Multi V - check inverter cooling fan
63	Multi F(DX) - "Cond. Pipe Sensor Temp. Low" (opposite to Error Code 61). Check Temperature/Resistance reading and replace sensor if found to be faulty. If sensor okay, check for cause of low temperature and rectify.
64	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
65	Outdoor unit inverter fin temperature sensor fault. Disconnect from PCB measure resistance. 8 kOhm at 30°C and 13 kOhm at 20°C
67	Outdoor Fan Motor seized, or rotation sensing circuit failure. Check motor for mechanical and/or electrical failure, if okay replace pcb.
100	Excessive discharge temperature rise 105°C Sub condenser 1 standard compressor. Check refrigerant
101	Excessive discharge temperature rise 105°C Sub condenser 1 standard compressor. Check refrigerant
102	Excessive discharge temperature rise 105°C Sub condenser 1 standard compressor. Check refrigerant
103	Excessive discharge temperature rise 105°C Sub condenser 1 standard compressor. Check refrigerant
104	Communication error between Main and Sub outdoor units. Check comms wiring and power to all outdoor units
105	Communication error between outdoor main PCB and fan PCB. Check plug connections and LEDs. If OK, replace either main or fan PCB
106	Outdoor unit fan motor high current. Check fans rotate freely, and are connected correctly
107	Outdoor unit low voltage to fan PCB. Check 300 Vdc supply, check fuses and plug connections. If OK, replace fan PCB
108	Communication error between outdoor main PCB, and fan PCB. Check plug connections and LEDs. If OK replace either main or fan PCB
109	Sub 1 excessive rise of high pressure. Check pressures, check for non condensables, check heat exchanger coil is free from debris
110	Sub 1 reverse or open phase. Check all 3 phases are present and correct. If correct voltage appears at all three phases, swap any two to cure the fault
111	Communication error between Main and Sub outdoor units. Check comms wiring and power to all outdoor units
113	Main outdoor unit liquid pipe sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
114	Main outdoor unit Subcool inlet sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
115	Main outdoor unit Subcool outlet sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
116	Sub 1 high pressure sensor fault. Check dc voltage between white and black cable on plug. Multi V: 1 Vdc = 8 bar up to 2.5 Vdc = 37 bar
117	Sub 1 low pressure sensor fault. Check dc voltage between white and black cable on plug. Multi V: 1 Vdc = 4 bar up to 5 Vdc = 32 bar
118	Sub 1 outdoor unit air sensor fault. Disconnect from PCB and measure resistance. 8 kOhm at 30°C and 13 kOhm at 20°C. If OK replace PCB, if not replace sensor
120	Sub 1 outdoor unit suction sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. if not replace sensor
121	Sub 1 compressor 1 discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C and 168 kOhm at 30°C. if not replace sensor
122	Sub 1 compressor 2 discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C and 168 kOhm at 30°C. if not replace sensor
123	Sub 1 outdoor unit coil sensor A fault. Disconnect from PCB measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. If OK replace PCB, if not replace sensor
124	Sub 1 outdoor unit coil sensor B fault. Disconnect from PCB measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. If OK replace PCB, if not replace sensor
125	Sub 1 outdoor unit liquid pipe sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
126	Sub 1 outdoor unit Subcool inlet sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
127	Sub 1 outdoor unit Subcool outlet sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
128	Sub 2 high pressure sensor fault. Check dc voltage between white and black cable on plug. Multi V: 1 Vdc = 8 bar up to 2.5 Vdc = 37 bar
129	Sub 2 low pressure sensor fault. Check dc voltage between white and black cable on plug. Multi V: 1 Vdc = 4 bar up to 5 Vdc = 32 bar
130	Sub 2 outdoor unit air sensor fault. Disconnect from PCB and measure resistance. 8 kOhm at 30°C and 13 kOhm at 20°C. If OK replace PCB, if not replace sensor
132	Sub 2 outdoor unit suction sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. if not replace sensor
133	Sub 2 compressor 1 discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C and 168kOhm at 30°C. if not replace sensor
134	Sub 2 compressor 2 discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C and 168kOhm at 30°C. if not replace sensor
135	Sub 2 outdoor unit coil sensor A fault. Disconnect from PCB measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. If OK replace PCB, if not replace sensor
136	Sub 2 outdoor unit coil sensor B fault. Disconnect from PCB measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. If OK replace PCB, if not replace sensor
137	Sub 2 outdoor unit liquid pipe sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
138	Sub 2 outdoor unit Subcool inlet sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
139	Sub 2 outdoor unit Subcool outlet sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
140	Sub 2 excessive rise of high pressure. Check pressures, check for non condensables, check heat exchanger coil is free from debris
141	Sub 2 reverse or open phase. Check all 3 phases are present and correct. If correct voltage appears at all three phases, swap any two to cure the fault
142	Communication error between Main and Sub outdoor units. Check comms wiring and power to all outdoor units
143	Sub 1 excessive rise of high pressure. Check pressures, check for non condensables, check heat exchanger coil is free from debris
144	Sub 1 excessive drop of low pressure. Check pressures, check for non condensables, check heat exchanger coil is free from debris
145	Sub 2 excessive rise of high pressure. Check pressures, check for non condensables, check heat exchanger coil is free from debris
146	Sub 2 excessive drop of low pressure. Check pressures, check for non condensables, check heat exchanger coil is free from debris
147	Sub 1 check power supply voltage to the outdoor unit is correct (1ph 220 Vac ±10% or 3ph 380 Vac ±10%).check fuses, if fuses OK replace outdoor main PCB
148	Sub 1 check power supply voltage to the outdoor unit is correct (1ph 220 Vac ±10% or 3ph 380 Vac ±10%). check fuses, if fuses OK replace outdoor main PCB
149	Sub 2 check power supply voltage to the outdoor unit is correct (1ph 220 Vac ±10% or 3ph 380 Vac ±10%). check fuses, if fuses OK replace outdoor main PCB
150	Sub 2 check power supply voltage to the outdoor unit is correct (1ph 220 Vac ±10% or 3ph 380 Vac ±10%). check fuses, if fuses OK replace outdoor main PCB
151	Faulty 4 way valve. Check solenoid coil and output from PCB. If OK, mechanical failure.
152	Excessive discharge temperature rise 105°C Sub condenser 2 standard compressor. Check refrigerant
153	Excessive discharge temperature rise 105°C Sub condenser 2 standard compressor. Check refrigerant
154	Sub 3 excessive rise of high pressure. Check pressures, check for non condensables, check heat exchanger coil is free from debris
155	Sub 3 reverse or open phase. Check all 3 phases are present and correct. If correct voltage appears at all three phases, swap any two to cure the fault
156	Communication error between Main and Sub outdoor units. Check comms wiring and power to all outdoor units
157	Sub 3 high pressure sensor fault. Check dc voltage between white and black cable on plug. Multi V: 1 Vdc = 8 bar up to 2.5 Vdc = 37 bar
158	Sub 3 low pressure sensor fault. Check dc voltage between white and black cable on plug. Multi V: 1 Vdc = 4 bar up to 5 Vdc = 32 bar
159	Sub 3 outdoor unit air sensor fault. Disconnect from PCB and measure resistance. 8 kOhm at 30°C and 13 kOhm at 20°C. If OK replace PCB, if not replace sensor
161	Sub 3 outdoor unit suction sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. if not replace sensor
162	Sub 3 compressor 1 discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C and 168 kOhm at 30°C. if not replace sensor
163	Sub 3 compressor 2 discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C and 168 kOhm at 30°C. if not replace sensor
164	Sub 3 outdoor unit coil sensor A fault. Disconnect from PCB measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. If OK replace PCB, if not replace sensor
165	Sub 3 outdoor unit coil sensor B fault. Disconnect from PCB measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. If OK replace PCB, if not replace sensor
166	Sub 3 outdoor unit liquid pipe sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C

LG AIR CONDITIONING FAULT CODES

Error Code / Key Word	Response
167	Sub 3 outdoor unit Subcool inlet sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
168	Sub 3 outdoor unit Subcool outlet sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C
169	Sub 3 excessive rise of high pressure. Check pressures, check for non condensables, check heat exchanger coil is free from debris
170	Sub 3 excessive drop of low pressure. Check pressures, check for non condensables, check heat exchanger coil is free from debris
171	Sub 3 check power supply voltage to the outdoor unit is correct (1ph 220 Vac \pm 10% or 3ph 380 Vac \pm 10%). check fuses, if fuses OK replace outdoor main PCB
172	Sub 3 check power supply voltage to the outdoor unit is correct (1ph 220 Vac \pm 10% or 3ph 380 Vac \pm 10%). check fuses, if fuses OK replace outdoor main PCB
173	Main outdoor unit standard compressor not starting. Check output from main PCB, check contactor, and check wiring connections. If OK compressor faulty
174	Sub 1 standard compressor 1 not starting. Check output from main PCB, check contactor, and check wiring connections. If OK compressor faulty
175	Sub 1 standard compressor 2 not starting. Check output from main PCB, check contactor, and check wiring connections. If OK compressor faulty
176	Sub 2 standard compressor 1 not starting. Check output from main PCB, check contactor, and check wiring connections. If OK compressor faulty
177	Sub 2 standard compressor 2 not starting. Check output from main PCB, check contactor, and check wiring connections. If OK compressor faulty
204	Comms Error between Outdoor Unit and HR Box No1. 1. Defective connection in HR unit power supply and transmission connection 2. Wrong setting of the HR unit Rotary switch and Dip switch 3. Defective HR unit PCB
208	Comms Error between Outdoor Unit and HR Box No2. 1. Defective connection in HR unit power supply and transmission connection 2. Wrong setting of the HR unit Rotary switch and Dip switch 3. Defective HR unit PCB
212	Comms Error between Outdoor Unit and HR Box No3. 1. Defective connection in HR unit power supply and transmission connection 2. Wrong setting of the HR unit Rotary switch and Dip switch 3. Defective HR unit PCB
240	Central controller wiring error. Check all comms wiring, including between controller and CNU, and IP addresses. If OK possible defective CNU
241	Central controller wiring error. Check all comms wiring, including between controller and CNU, and IP addresses. If OK possible defective CNU
242	Central controller data receiving error. Either defective CNU or Central controller initialisation failure
243	Central controller. Comms cable too long or picking up external electrical noise. If OK, mismatching of controllers, or defective CNU
244	Central controller data receiving time out. Either defective CNU or Central controller initialisation failure
245	Central controller data sending time out. Either defective CNU or Central controller initialisation failure
246	Central controller data receiving time out. Either defective CNU or Central controller initialisation failure
250	Central controller data receiving error. Either comms cable picking up external electrical noise, or defective CNU
251	Central controller receiving no data. Either comms cable picking up external electrical noise, or defective CNU
252	Central controller incorrect address error. Check addresses match, if OK either comms cable picking up external electrical noise, or defective CNU
253	Central Controller Disconnection Error, No response from Air Conditioner. Check wiring, if OK either comms cable picking up external electrical noise, defective CNU, or Interface.
C1	Indoor unit return air sensor fault, Open or Short. Disconnect sensor from PCB and measure resistance. 8 kOhm at 30C and 13 kOhm at 20C if not replace sensor
C2	Indoor Pipe Sensor or Outdoor Sensor Assy fault, Open or Short. Disconnect from PCB and measure resistance. Air sensor = 10 kOhm at 25C, Pipe sensor = 5 kOhm at 25C. If not replace sensor.
C4	RAC Product = Heat Sink Sensor Error, Open/Short Cct or over 95C. Commercial Product = Condensate pump float switch risen. Check drain pan is empty, check pump is working OK. If no pump check blue jumper plug is inserted in socket CN Float.
C5	Comms Error, check your wiring, remove external pumps. Split/Multi - check volts from terminal N to 3 = 0 - 65 Vdc, Multi V - 4 Vdc terminals 3 and 4
C6	Inverter compressor run current high. Check compressor windings all equal 1 to 4 Ohms, Check to earth 50 MOhm minimum, check run current
C7	Splits = Compressor Over Current (CT2), also see Code 06.
C8	RAC Indoor unit BLDC Fan problem. This is caused by the Indoor fan being locked. Check fan motor is plugged in correctly, Electrically & Mechanically sound. Check the fan motor turns freely, check the AC Voltage supplied to the fan motor, this will vary from 120 V ac at low speed to 170V AC at high speed. If no Voltage is present the the PCB is faulty, if Voltage is present the fan motor will be Faulty.
C9	Outdoor unit fan problem. Check Outdoor fan motor is plugged in, Electrically & Mechanically sound, if not replace motor, otherwise replace PCB.
CA	Compressor discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C, 168 kOhm at 30C.
CC	RAC Product = EEPROM Sum Check Error, text 60 for help.
CD	RAC Product = PSC (Reactor) Error, text 27 for help.
CE	RAC Product = Compressor Phase Current Error
CH00	Text the 1, 2 or 3 digit fault code number only. I.e. If you see fault code CH07 on your indoor unit or R/Controller, only type 7 or 07 in your text message.
CH01	Indoor unit return air sensor fault. Disconnect sensor from PCB and measure resistance. 8 kOhm at 30C and 13 kOhm at 20C if not replace sensor
CH02	Indoor Pipe Sensor or Outdoor Sensor Assy fault, Open or Short. Disconnect from PCB and measure resistance. Air sensor = 10 kOhm at 25C, Pipe sensor = 5 kOhm at 25C. If not replace sensor.
CH03	Remote controller comms error. Check wired correctly, if so check dipswitch in RC. Set to Sg for 1 unit, or Gr for group then reset power
CH04	RAC Product = Heat Sink Sensor Error, Open/Short Cct or over 95C. Commercial Product = Condensate pump float switch risen. Check drain pan is empty, check pump is working OK. If no pump check blue jumper plug is inserted in socket CN Float.
CH05	Comms Error, check your wiring, remove external pumps. Split/Multi - check volts from terminal N to 3 = 0 - 65 Vdc, Multi V - 4 Vdc terminals 3 and 4
CH06	Indoor unit coil sensor fault. Disconnect from PCB measure resistance. 10 kOhm at 10C and 4 kOhm at 30C. if not replace sensor. Split = text 21
CH07	Multi Splits and Multi V = indoor unit is set to run in a different mode from the master indoor unit. Set ALL indoor units to cooling or ALL to heating to clear. Splits = Compressor Over Current (CT2), also see Code 06.
CH08	RAC Indoor unit BLDC Fan problem. This is caused by the Indoor fan being locked. Check fan motor is plugged in correctly, Electrically & Mechanically sound. Check the fan motor turns freely, check the AC Voltage supplied to the fan motor, this will vary from 120 V ac at low speed to 170V AC at high speed. If no Voltage is present the the PCB is faulty, if Voltage is present the fan motor will be Faulty.
CH09	Split = Outdoor unit fan problem. Check Outdoor fan motor is plugged in, Electrically & Mechanically sound, if not replace motor, otherwise replace PCB. Multi V = indoor PCB failure. Replace PCB
CH10	RAC Product: Compressor discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C, 168 kOhm at 30C. Multi Fdx & Multi V text 8
CH11	Multi V indoor unit not connected to an outdoor unit. Check comms wiring is correct, and check initialisation has been carried out correctly
CH12	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH13	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH14	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH15	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH16	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH17	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH18	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH19	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH20	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH21	Inverter compressor run current high. Check compressor windings all equal 1 to 4 Ohms Check to earth 50 MOhm minimum, check run current
CH22	Inverter compressor run current high. Check compressor windings all equal 1 to 4 Ohms . Check to earth 50 MOhm minimum, check run current
CH23	Inverter dc voltage low. Check dc voltage of capacitors 300 Vdc for 1Ph and 600 Vdc for 3Ph. If OK change outdoor inverter PCB
CH24	Splits and Multi Splits = High or low pressure trip. Low at 1 bar High at 35 bar check pressures. Multi V = High pressure trip.

LG AIR CONDITIONING FAULT CODES

Error Code / Key Word	Response
CH25	Check power supply voltage to the outdoor unit is correct (1ph ?220 Vac \pm 10% or 3ph ?380 Vac \pm 10%). If OK, check fuses, if fuses are OK replace outdoor main PCB
CH26	Inverter compressor seized. Check compressor windings all equal resistance 1 to 4 Ohms, check to earth 50 MOhm minimum, check run current and Inverter outputs
CH27	Inverter current irregularity. Check inverter PCB and reactor
CH28	Inverter dc voltage too high. Check dc voltage of capacitors 300 Vdc for 1Ph and 600 Vdc for 3Ph. If OK change outdoor inverter PCB
CH29	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH30	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH31	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH32	Inverter compressor discharge temperature too high. If over 105°C, check refrigerant charge
CH33	Excessive rise of standard compressor discharge temperature. If over 105°C check refrigerant charge
CH34	Excessive high pressure rise, over 35 bar at HP sensor. Check pressures, check coils, and filters are clean check for OFN in system pipework
CH35	Excessive low pressure drop under 1 Bar at LP sensor. Check pressures, and check service valves open
CH36	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH37	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH38	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH39	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH40	Inverter ac current abnormal. Check compressor windings all equal resistance 1 to 4 Ohms, check to earth 50 MOhm minimum, check run current and inverter outputs
CH41	Inverter compressor discharge sensor fault. Disconnect from PCB measure resistance 237 kOhm at 20°C and 168 kOhm at 30°C.
CH42	Low pressure sensor fault. Check dc voltage between white and black cable on plug. Multi V: 1 Vdc = 4 bar up to 5 Vdc = 32 bar
CH43	High pressure sensor fault. Check dc voltage between white and black cable on plug. Multi V: 1 Vdc = 8 bar up to 2.5 Vdc = 37 bar
CH44	Outdoor unit air sensor fault. Disconnect from PCB and measure resistance. 8 kOhm at 30°C and 13 kOhm at 20°C. If OK replace PCB, if not replace sensor
CH45	Outdoor unit air sensor fault. Disconnect from PCB and measure resistance. 8 kOhm at 30°C and 13 kOhm at 20°C. If OK replace PCB, if not replace sensor
CH46	Outdoor unit suction sensor fault. Disconnect from PCB and measure resistance. 10 kOhm at 10°C and 4 kOhm at 30°C. If OK replace PCB, if not replace sensor
CH47	Compressor discharge sensor fault. Disconnect from PCB measure resistance. 237 kOhm at 20°C and 168 kOhm at 30°C. If OK replace PCB, if not replace sensor
CH48	Split/Multi Split = Outdoor unit discharge and air sensor both unplugged. Multi V = Outdoor unit coil sensor. Text 45 for diagnostics
CH49	Check power supply voltage to the outdoor unit is correct (1ph ?220 Vac \pm 10% or 3ph ?380 Vac \pm 10%). If OK check fuses, if fuses OK, replace outdoor main PCB
CH50	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH51	Unit mismatch. Check model number of units do not exceed maximum. Multi V - also check Sub outdoor unit dipswitch settings
CH52	Communication error between inverter PCB and main outdoor unit PCB. Check wiring fuses and LEDs . If OK either inverter or main PCB defective
CH53	Comms error indoor to outdoor unit. Check your wiring . Split and Multi - check voltage from terminal N to 3 = 0 - 65 Vdc, Multi V - 4 Vdc terminals 3 and 4
CH54	Reverse or open phase. Check all 3 phases are present and correct. If correct voltage appears at all three phases, swap any two to cure the fault
CH55	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH56	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH57	Comms error between outdoor main PCB and inverter PCB. Check wiring fuses and LEDs are lit. If OK either inverter or main PCB defective
CH58	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH59	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH60	Outdoor unit PCB EEPROM failure, try removing EEPROM and refitting if removable (possible contact fault), otherwise replace PCB if the EEPROM is nonremovable.
CH61	Condenser coil over 65°C. Check coil and filters are clean and free from debris, and airflow is OK. Check system pressures for non-condesables
CH62	Inverter over 85°C. Check air flow across heat sink, check inverter tight to heatsink use thermal paste. Multi V - check inverter cooling fan
CH63	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH64	no such fault code Text 1, 2 or 3 digit fault code number only. If you see fault code CH07 only type 7 in your text message
CH65	Outdoor unit inverter fin temperature sensor fault. Disconnect from PCB measure resistance. 8 kOhm at 30°C and 13 kOhm at 20°C
CH67	Outdoor Fan Motor siezed, or rotation sensing circuit failure. Check motor for mechanical and electrical failure.
CL	CL = Child Lock. Press Timer & Min buttons simultaneously for 5 seconds to engage/disengage function.
help	Text the 1, 2 or 3 digit fault code number only. I.e. If you see fault code CH07 on your indoor unit or R/Controller, only type 7 or 07 in your text message.
HL	Condensate pump float switch risen. Check drain pan is empty, check pump is working OK. If no pump check blue jumper plug is inserted in socket CN Float. Alternatively, Dry Contact Interface is in "OFF" condition. Check status and adjust as necessary.
Po	Po = Jet Cool Mode selected. To cancel press Jet Cool, Fan Speed or Set Temperature button.