

Kelvinator Inverter AC, Error

Category: Air Conditioner
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A printed document titled "ERROR SIGNALS ON THE DISPLAY" showing a list of error codes and their descriptions. The codes range from E1 to F9. A red circle is drawn around the code F9.

CODE	ERROR DESCRIPTION
E1	Indoor machine EE fault
E2	Indoor fan fault
E3	Indoor Fan Zone-crossing detection abnormal
E4	Indoor coil sensor fault
E5	Indoor ambient temperature sensor fault
E6	Outdoor EE fault
E7	Indoor and outdoor machine communication fault
F1	Compressor starting abnormal (phase failure, reverse)
F2	Compressor out of step fault
F3	PIR module fault
F4	Compressor shell roof fault/protection
F5	Discharge temperature sensor fault
F6	Suction temperature sensor fault
F7	Outdoor coil temperature sensor fault
F8	Outdoor ambient temperature sensor fault
F9	Outdoor DC fan fault
F9	Outdoor communication fault

When your Kelvinator inverter split air conditioner displays an error code (E1, E2, E3, F1, F2, F3, etc.), it is signaling a specific system fault. This comprehensive guide explains every major error code—from sensor failures and communication breakdowns to compressor and power module protection triggers—and provides professional troubleshooting steps.

The 5 Pillars of Refrigeration Diagnosis: Professional HVAC

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Professional HVAC technicians rely on five critical diagnostic pillars: suction pressure, discharge pressure, superheat, subcooling, and saturation temperature relationships. Mastering these five measurements eliminates guesswork, accurately identifies refrigeration problems, and ensures proper system troubleshooting without expensive callbacks or equipment damage.

LG Inverter AC Error Codes: Indoor and

Outdoor Unit Professional Guide

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Error Code	Description
1	Indoor and outdoor temperature sensor error
2	Indoor and outdoor pressure sensor error
3	Indoor pressure sensor error
4	Indoor pressure sensor error
5	Indoor pressure sensor error
6	Indoor pressure sensor error
7	Indoor pressure sensor error
8	Indoor pressure sensor error
9	Indoor pressure sensor error
10	Indoor pressure sensor error
11	Indoor pressure sensor error
12	Indoor pressure sensor error
13	Indoor pressure sensor error
14	Indoor pressure sensor error
15	Indoor pressure sensor error
16	Indoor pressure sensor error
17	Indoor pressure sensor error
18	Indoor pressure sensor error
19	Indoor pressure sensor error
20	Indoor pressure sensor error
21	Indoor pressure sensor error
22	Indoor pressure sensor error
23	Indoor pressure sensor error
24	Indoor pressure sensor error
25	Indoor pressure sensor error
26	Indoor pressure sensor error
27	Indoor pressure sensor error
28	Indoor pressure sensor error
29	Indoor pressure sensor error
30	Indoor pressure sensor error
31	Indoor pressure sensor error
32	Indoor pressure sensor error
33	Indoor pressure sensor error
34	Indoor pressure sensor error
35	Indoor pressure sensor error
36	Indoor pressure sensor error
37	Indoor pressure sensor error
38	Indoor pressure sensor error
39	Indoor pressure sensor error
40	Indoor pressure sensor error
41	Indoor pressure sensor error
42	Indoor pressure sensor error
43	Indoor pressure sensor error
44	Indoor pressure sensor error
45	Indoor pressure sensor error
46	Indoor pressure sensor error
47	Indoor pressure sensor error
48	Indoor pressure sensor error
49	Indoor pressure sensor error
50	Indoor pressure sensor error
51	Indoor pressure sensor error
52	Indoor pressure sensor error
53	Indoor pressure sensor error
54	Indoor pressure sensor error
55	Indoor pressure sensor error
56	Indoor pressure sensor error
57	Indoor pressure sensor error
58	Indoor pressure sensor error
59	Indoor pressure sensor error
60	Indoor pressure sensor error
61	Indoor pressure sensor error
62	Indoor pressure sensor error
63	Indoor pressure sensor error
64	Indoor pressure sensor error
65	Indoor pressure sensor error
66	Indoor pressure sensor error
67	Indoor pressure sensor error
68	Indoor pressure sensor error
69	Indoor pressure sensor error
70	Indoor pressure sensor error
71	Indoor pressure sensor error
72	Indoor pressure sensor error
73	Indoor pressure sensor error
74	Indoor pressure sensor error
75	Indoor pressure sensor error
76	Indoor pressure sensor error
77	Indoor pressure sensor error
78	Indoor pressure sensor error
79	Indoor pressure sensor error
80	Indoor pressure sensor error
81	Indoor pressure sensor error
82	Indoor pressure sensor error
83	Indoor pressure sensor error
84	Indoor pressure sensor error
85	Indoor pressure sensor error
86	Indoor pressure sensor error
87	Indoor pressure sensor error
88	Indoor pressure sensor error
89	Indoor pressure sensor error
90	Indoor pressure sensor error
91	Indoor pressure sensor error
92	Indoor pressure sensor error
93	Indoor pressure sensor error
94	Indoor pressure sensor error
95	Indoor pressure sensor error
96	Indoor pressure sensor error
97	Indoor pressure sensor error
98	Indoor pressure sensor error
99	Indoor pressure sensor error
100	Indoor pressure sensor error

LG inverter air conditioner error codes give technicians a precise window into what is happening inside both indoor and outdoor units. From simple room temperature sensor faults to complex IPM and DC peak alarms, decoding these numbers correctly is critical for fast, safe, and accurate HVAC troubleshooting on modern LG split systems.

Carrier Pro-Dialog+

Category: Equipment

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Carrier Pro-Dialog+ Tripout shutdown alarm, access denied message and troubleshooting steps by Mbsmgroup

Refrigerants, Standing, Suction and Discharge Pressures for Modern HVAC Systems

Category: Refrigeration

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List of some common Refrigerants					
Refrigerant	Chemical Formula	Boiling Point (°C)	Condensing Pressure (PSIG)	Evaporating Pressure (PSIG)	Boiling Point (°F)
R22	CHClF ₂	-40.8	150	50	-40.8
R134a	C ₂ H ₂ F ₄	-26.1	100	30	-26.1
R404A	C ₄ H ₁₀ F ₄	-46.1	150	50	-46.1
R407C	C ₃ H ₂ F ₆	-36.8	120	40	-36.8
R410A	C ₂ H ₄ F ₄	-51.6	180	60	-51.6
R290	C ₃ H ₈	-42.1	100	30	-42.1
R600a	C ₄ H ₁₀	-38.3	100	30	-38.3
R12	CCl ₂ F ₂	-29.8	100	30	-29.8
R152a	C ₂ H ₄ F ₂	-21.8	100	30	-21.8
R11	CCl ₃ F	-23.8	100	30	-23.8
R113	CCl ₂ FCF ₃	-24.8	100	30	-24.8
R114	CCl ₂ FCF ₂ Cl	-35.0	100	30	-35.0
R115	CCl ₂ FCF ₂ Cl ₂	-40.0	100	30	-40.0
R123	CCl ₂ FCF ₃	-24.0	100	30	-24.0
R124	CClF ₂ CF ₃	-30.0	100	30	-30.0
R13	CClF ₃	-81.0	100	30	-81.0
R14	CCl ₄	-33.0	100	30	-33.0
R15	CCl ₃ Br	-40.0	100	30	-40.0
R16	CCl ₂ Br ₂	-40.0	100	30	-40.0
R17	CClBr ₃	-40.0	100	30	-40.0
R18	CCl ₂ Br	-40.0	100	30	-40.0
R19	CClBr ₂	-40.0	100	30	-40.0
R20	CCl ₂ Br ₂	-40.0	100	30	-40.0
R21	CClBr ₃	-40.0	100	30	-40.0
R22	CHClF ₂	-40.8	150	50	-40.8
R23	CClF ₃	-81.0	100	30	-81.0
R24	CCl ₂ F ₂	-29.8	100	30	-29.8
R25	CCl ₄	-33.0	100	30	-33.0
R26	CCl ₃ Br	-40.0	100	30	-40.0
R27	CCl ₂ Br ₂	-40.0	100	30	-40.0
R28	CClBr ₃	-40.0	100	30	-40.0
R29	CCl ₂ Br	-40.0	100	30	-40.0
R30	CClBr ₂	-40.0	100	30	-40.0
R31	CCl ₂ Br ₂	-40.0	100	30	-40.0
R32	CH ₂ ClF	-29.0	100	30	-29.0
R33	CHCl ₂	-40.0	100	30	-40.0
R34	CH ₂ ClF	-29.0	100	30	-29.0
R35	CHCl ₂	-40.0	100	30	-40.0
R36	CH ₂ ClF	-29.0	100	30	-29.0
R37	CHCl ₂	-40.0	100	30	-40.0
R38	CH ₂ ClF	-29.0	100	30	-29.0
R39	CHCl ₂	-40.0	100	30	-40.0
R40	CH ₂ ClF	-29.0	100	30	-29.0
R41	CHCl ₂	-40.0	100	30	-40.0
R42	CH ₂ ClF	-29.0	100	30	-29.0
R43	CHCl ₂	-40.0	100	30	-40.0
R44	CH ₂ ClF	-29.0	100	30	-29.0
R45	CHCl ₂	-40.0	100	30	-40.0
R46	CH ₂ ClF	-29.0	100	30	-29.0
R47	CHCl ₂	-40.0	100	30	-40.0
R48	CH ₂ ClF	-29.0	100	30	-29.0
R49	CHCl ₂	-40.0	100	30	-40.0
R50	CH ₂ ClF	-29.0	100	30	-29.0
R51	CHCl ₂	-40.0	100	30	-40.0
R52	CH ₂ ClF	-29.0	100	30	-29.0
R53	CHCl ₂	-40.0	100	30	-40.0
R54	CH ₂ ClF	-29.0	100	30	-29.0
R55	CHCl ₂	-40.0	100	30	-40.0
R56	CH ₂ ClF	-29.0	100	30	-29.0
R57	CHCl ₂	-40.0	100	30	-40.0
R58	CH ₂ ClF	-29.0	100	30	-29.0
R59	CHCl ₂	-40.0	100	30	-40.0
R60	CH ₂ ClF	-29.0	100	30	-29.0
R61	CHCl ₂	-40.0	100	30	-40.0
R62	CH ₂ ClF	-29.0	100	30	-29.0
R63	CHCl ₂	-40.0	100	30	-40.0
R64	CH ₂ ClF	-29.0	100	30	-29.0
R65	CHCl ₂	-40.0	100	30	-40.0
R66	CH ₂ ClF	-29.0	100	30	-29.0
R67	CHCl ₂	-40.0	100	30	-40.0
R68	CH ₂ ClF	-29.0	100	30	-29.0
R69	CHCl ₂	-40.0	100	30	-40.0
R70	CH ₂ ClF	-29.0	100	30	-29.0
R71	CHCl ₂	-40.0	100	30	-40.0
R72	CH ₂ ClF	-29.0	100	30	-29.0
R73	CHCl ₂	-40.0	100	30	-40.0
R74	CH ₂ ClF	-29.0	100	30	-29.0
R75	CHCl ₂	-40.0	100	30	-40.0
R76	CH ₂ ClF	-29.0	100	30	-29.0
R77	CHCl ₂	-40.0	100	30	-40.0
R78	CH ₂ ClF	-29.0	100	30	-29.0
R79	CHCl ₂	-40.0	100	30	-40.0
R80	CH ₂ ClF	-29.0	100	30	-29.0
R81	CHCl ₂	-40.0	100	30	-40.0
R82	CH ₂ ClF	-29.0	100	30	-29.0
R83	CHCl ₂	-40.0	100	30	-40.0
R84	CH ₂ ClF	-29.0	100	30	-29.0
R85	CHCl ₂	-40.0	100	30	-40.0
R86	CH ₂ ClF	-29.0	100	30	-29.0
R87	CHCl ₂	-40.0	100	30	-40.0
R88	CH ₂ ClF	-29.0	100	30	-29.0
R89	CHCl ₂	-40.0	100	30	-40.0
R90	CH ₂ ClF	-29.0	100	30	-29.0
R91	CHCl ₂	-40.0	100	30	-40.0
R92	CH ₂ ClF	-29.0	100	30	-29.0
R93	CHCl ₂	-40.0	100	30	-40.0
R94	CH ₂ ClF	-29.0	100	30	-29.0
R95	CHCl ₂	-40.0	100	30	-40.0
R96	CH ₂ ClF	-29.0	100	30	-29.0
R97	CHCl ₂	-40.0	100	30	-40.0
R98	CH ₂ ClF	-29.0	100	30	-29.0
R99	CHCl ₂	-40.0	100	30	-40.0
R100	CH ₂ ClF	-29.0	100	30	-29.0

Explore a practical refrigerant pressure chart with typical standing, suction and discharge pressures plus boiling points for R22, R134a, R32, R404A, R407C, R410A, R290, R600a and R417A.