

Kelvinator Inverter AC, Error

Category: Air Conditioner

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| ERROR SIGNALS ON THE DISPLAY | |
|------------------------------|---|
| CODE | ERROR DESCRIPTION |
| E1 | Indoor mainline EE fault |
| E2 | Indoor fan fault |
| E3 | Indoor Fan Zero-crossing detection abnormal |
| E4 | Indoor coil sensor fault |
| E5 | Indoor ambient temperature sensor fault |
| F6 | Outdoor EE fault |
| E6 | Indoor and outdoor machine communication fault |
| F1 | Compressor starting abnormal phase failure, reverse |
| F2 | Compressor out of sleep fault |
| F3 | IPM module fault |
| F4 | Compressor shell roof fault protection |
| F5 | Compressor temperature sensor fault |
| F6 | Suction line return sensor fault |
| F7 | Outdoor coil temperature sensor fault |
| F8 | Outdoor ambient temperature sensor fault |
| F9 | Outdoor DC fan fault |
| F10 | 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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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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| Refrigerant | 100-400 Bar refrigerant properties | | | | | |
|-------------|------------------------------------|--------------|--------------|--------------|--------------|--------------|
| | Boiling Point | Evaporation | Condensation | Atmospheric | Sublimation | Boiling |
| R22 | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar |
| R134a | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar |
| R32 | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar |
| R404A | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar |
| R407C | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar |
| R410A | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar |
| R290 | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar |
| R600a | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar |
| R417A | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar | 100-1000 bar |

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.