

ERROR CODES – R410A

Black = All R410A

Red = FD Split 1, 2 Series R410A

Blue = KX4 & KXR4 Series R410A

Technical Support
Spares & Warranty
01359 272211



(does not cover SRK & SCM MODELS)

Error Code	Indoor Circuit Board		Outdoor Circuit Board		Details of Fault
	Red LED	Green LED	Red LED	Green LED	

No indication	Stays Off	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> Normal operation.
	Stays Off	Stays Off	Stays Off	Stays Off	<ul style="list-style-type: none"> No mains power detected [power off or power failure]. L phase wire is open circuit.
	Flashes 3 times	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> Remote controller wires - X & Y connections are reversed. Remote controller wires - Y & Z connections are reversed. Remote controller wiring is open circuit. (X wire broken - a beep is produced and no indication is made. Z wire broken -no beep and no indication).

LCD Flashes continuously or Off	Stays Off	Keeps Flashing	Flashes Twice	Keeps Flashing	<ul style="list-style-type: none"> Open Circuit or poor indoor/outdoor interconnecting wiring
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E1	Stays Off	Off or On continuously	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> Indoor circuit board or CPU failure.
	Off or On continuously	Off or On continuously	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> Indoor circuit board or CPU failure.
	Stays Off	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> In group control, power supply to at least one indoor unit off Remote controller wire Y is open circuit Remote controller wires X and Y are reversed Faulty Indoor or Remote controller PCB Electrical noise interference
	Stays Off	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> Remote controller wiring connected to A and B A and B wiring connected in closed loop Indoor unit PCB processor runs away
	Flashes 3 times	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> Remote controller wiring open circuit



E2	Flashes once	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> • Duplication of indoor unit address. • More than 49 indoor units are connected on a network.
E3	Flashes Twice	Keeps Flashing	Stays Off	Stays Off	<ul style="list-style-type: none"> • No mains power at outdoor unit [power off or power failure].
	Flashes Twice	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> • Incorrect address setting of the outdoor unit
	Flashes Twice	Keeps Flashing	On or Stays Off	Undefined	<ul style="list-style-type: none"> • No mains power at outdoor unit [power off or power failure].
E5	Flashes Twice	Keeps Flashing	Flashes Twice	Keeps Flashing	<ul style="list-style-type: none"> • Outdoor/Indoor communication error
	Flashes Twice	Keeps Flashing	Stays Off	Stays Off	<ul style="list-style-type: none"> • Outdoor unit control PCB failure • Inverter parts faulty
	Flashes Twice	Keeps Flashing	Stays Off	Stays Off	<ul style="list-style-type: none"> • The outdoor power unit failure (where indoor/outdoor power supplies are separated) • Indoor/outdoor communication error • A and B wiring reversed after power on
	Flashes twice	Keeps Flashing	Stays Off	Keeps Flashing or irregular	<ul style="list-style-type: none"> • Outdoor unit microcomputer failure
E6	Flashes Once	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> • Indoor unit heat exchanger sensor [ThIR] defective (resistance is open circuit or closed circuit). • Poor connection of sensor connector on the indoor PCB.
E7	Flashes Once	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> • Indoor unit return sensor [ThIA] defective (resistance is open circuit or closed circuit). • Poor connection of sensor connector on the indoor PCB.
E8	Flashes Once	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> • Overload in heating (extraordinarily high indoor heat exchanger temperature).
					<ul style="list-style-type: none"> • Indoor unit heat exchanger sensor [ThIR] failure (resistance of sensor is closed circuit).
E9	Flashes Once	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> • Drain motor [DM] failure (drain motor open circuit or the drain motor is disconnected from the indoor PCB).
					<ul style="list-style-type: none"> • Condensate still detected in drain tray (the drain motor can not remove the condensate – blockage in discharge pipe or condensate returning to drain tray).
					<ul style="list-style-type: none"> • Float switch stuck in high position.
					<ul style="list-style-type: none"> • Defective float switch input circuit on indoor PCB. • Defective drain motor output circuit on indoor PCB.
E10	Stays Off	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> • 17 or more indoor units are connected to one remote controller (maximum permitted: 16 indoor units)
E11	Stays Off	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> • More than one indoor unit is connected to a remote controller while trying to address the unit from the remote controller.



E12	Flashes once	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> One or more units (indoor or outdoor) are still addressed at 48 or 49 [factory setting] While trying to auto address, one or more of the units (either indoor or outdoor) is not set at 49. Auto address is not possible on the system you are commissioning (Auto address is only possible on a single KX2 system).
E14	Flashes 3 times	Keeps Flashing	Stays off	Keeps Flashing	<ul style="list-style-type: none"> Incorrect setting of SW5 on indoor unit PCB when setting up a master / slave system. Incorrect control wiring between master and slave(s) [XYZ]. Open circuit of control wiring between master and slave(s).
E16	Stays off	Keeps Flashing	Stays off	Keeps Flashing	<ul style="list-style-type: none"> Faulty indoor fan motor
	Flashes once	Keeps Flashing	Stays off	Keeps Flashing	<ul style="list-style-type: none"> Faulty indoor fan motor
E28	Stays Off	Keeps Flashing	Stays Off	Keeps Flashing	<ul style="list-style-type: none"> Failure of the sensor within the remote controller.
E30	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> Indoor/outdoor unit connected error.
E31	Stays Off	Keeps Flashing	Flashes Once	Keeps Flashing	<ul style="list-style-type: none"> Duplication of an indoor unit address number (U00 – U47). Outdoor unit address setting error
E32	Stays Off	Keeps Flashing	Flashes Once	Keeps Flashing	<ul style="list-style-type: none"> The anti phase device has detected that two phases of the mains power need to be swapped. The [L2] phase of the mains power (primary side of contactor) has been detected as open phase.
E34	Stays Off	Keeps Flashing	Flashes Once	Keeps Flashing	<ul style="list-style-type: none"> Abnormally low current (or no current) detected by [CT] on L3. Open phase detected at L3 (secondary side of contactor).
E35	Stays Off	Keeps Flashing	Flashes Once	Keeps Flashing	<ul style="list-style-type: none"> Outdoor unit heat exchanger sensor [ThOR] defective (resistance is open circuit or closed circuit). Poor connection of sensor connector on the outdoor unit PCB.
	Stays Off	Keeps Flashing	Flashes Once	Keeps Flashing	<ul style="list-style-type: none"> Cooling high pressure
E36	Stays Off	Keeps Flashing	Flashes Once	Keeps Flashing	<ul style="list-style-type: none"> The discharge temperature is abnormally high. Insufficient refrigerant. Compressor discharge temperature sensor [ThOD] defective.



E37	Stays Off	Keeps Flashing	Flashes Once	Keeps Flashing	<ul style="list-style-type: none"> Outdoor unit heat exchanger sensor [ThOR] defective (resistance is open circuit). Poor connection of sensor connection on outdoor unit PCB. 	
	Stays Off	Keeps Flashing	One time Flash	Keeps Flashing	E37-1	Outdoor heat exch thermistor failure (Tho-R1)
			Two time Flash		E37-2	Outdoor heat exch thermistor failure (Tho-R2)
			Three time Flash		E37-3	Outdoor heat exch thermistor failure (Tho-R3)
			Four time Flash		E37-4	Outdoor heat exch thermistor failure (Tho-R4)
			Five time Flash		E37-5	Outdoor heat exch thermistor failure (Tho-SC)
			Six time Flash		E37-6	Outdoor heat exch thermistor failure (Tho-H)

E38	Stays Off	Keeps Flashing	Flashes Once	Keeps Flashing	<ul style="list-style-type: none"> Outside air temperature sensor [ThoA] defective (resistance is open circuit). Poor connection of sensor connection on outdoor unit PCB. 	
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E39	Stays Off	Keeps Flashing	Flashes Once	Keeps Flashing	<ul style="list-style-type: none"> Compressor discharge temperature sensor [ThOD] defective (resistance is open circuit). Poor connection of sensor connection on outdoor unit PCB. 	
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E40	Stays Off	Keeps Flashing	Flashes Once	Keeps Flashing	<ul style="list-style-type: none"> The high-pressure switch [63H or 63H1] has tripped. System overcharged with refrigerant. One (or more) of the service valves is shut. Insufficient airflow (or no airflow) over the condensercoil. 	
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E41	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> The power transistor for the inverter has overheated. 	
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E42	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> Abnormally high current detected in compressor. 	
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E43	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> The maximum number of indoor units connected to one outdoor unit has been exceeded. 	
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E45	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> Transmission error between inverter and outdoor unit PCB. Loose connection of [Cn] 	
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E46	Stays Off	Keeps Flashing	Off	Keeps Flashing	<ul style="list-style-type: none"> • There is a conflict of address settings. • A combination of: automatic / manual / remote control addresses coexist on one network. 	
E47	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • Inverter over voltage 	
E48	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • DC Outdoor Fan motor fault 	
E49	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • Low pressure fault 	
	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • Low voltage detected 	
E51	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • Inverter PCB fault 	
	Stays Off	Keeps Flashing	Flashes once or twice	Keeps Flashing	<ul style="list-style-type: none"> • Power transistor overheat 	
E53	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • Suction pipe thermistor (Tho-S) disconnected 	
E54	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • Low pressure sensor (PSL) disconnected/output error 	
	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	E54-1	<ul style="list-style-type: none"> • Low pressure sensor (PSL) disconnection/output error
			Flashes twice		E54-2	<ul style="list-style-type: none"> • High pressure sensor (PSH) disconnection/output error
E55	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • Compressor under dome thermistor disconnected 	
E56	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • Power transistor thermistor faulty or disconnected (FDCVA151-251) 	
E57	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • Refrigerant leak or shortage of refrigerant (FDCVA151-251) 	
E59	Stays Off	Keeps Flashing	1 to 5 times flash	Keeps Flashing	<ul style="list-style-type: none"> • Compressor start-up error 	
E60	Stays Off	Keeps Flashing	Flashes once or twice	Keeps Flashing	<ul style="list-style-type: none"> • Compressor position detection error 	
E63	Stays Off	Keeps Flashing	Flashes once	Keeps Flashing	<ul style="list-style-type: none"> • Emergency stop of indoor unit 	

