

Mitsubishi Heavy Industries Fault Codes



Mitsubishi air conditioning units alert owners to errors using LEDs: the indoor circuit board (ICB) has a green LED (GLED) and a red LED (RLED), and the outdoor circuit board (OCB) has the same. We are going to look at common faults and how the LEDs in the system can alert you to an error.

Unless stated, these error codes and signals apply to all R410A air conditioning units.

ICB

(indoor circuit board)

OCB

(outdoor circuit board)

RLED

(red LED)

GLED

(green LED)

No Error Code

RLED on ICB and OCB stays off and the GLED on ICB and OCB keeps flashing

Thankfully, everything is running as normal.

All LEDs off

There is no mains power detected - check to see if your power is switched on. Alternatively, you may have a power failure on your premises.

ICB RLED: flashes 3x, ICB GLED: flashing, OCB RLED: off, OCB GLED: flashing

The connections of remote controller wires X & Y are reversed, as are the connections of wires Y & Z. The remote controller wiring is an open circuit, and if the X wire is broken, you will hear a beeping sound but no indication. For a broken Z wire, there is no beep or indication.

LCD flashes continuously or off, ICB RLED: off, ICB GLED: flashing, OCB RLED: flashes 2x, OCB GLED: flashing

There is an open circuit or the wiring is poorly interconnected, either indoors or outdoors.

Error Code: E1

Unit: FD Split 1, 2 Series R410A - ICB RLED: off, ICB GLED: stays off or on, OCB RLED: off, ICB GLED: flashing

There is a failure of the indoor circuit board or CPU - it may need repairs or replacement.

Unit: KX4 & KXR4 Series R410A - ICB RLED: stays off/on, ICB GLED: stays off/on, OCB RLED: off, OCB GLED: flashing

Indoor circuit board failure or a failure with the CPU.

Unit: FD Split 1, 2 Series R410A - ICB RLED: off, ICB GLED: flashing, OCB RLED: off, OCB GLED: flashing

- In a group control system, the power supply to at least one indoor unit has switched off
- The remote controller wire Y is an open circuit
- The wires of remote controllers X and Y are reversed
- There is a fault with the indoor or remote controller printed circuit board
- Electrical noise may be interfering with the system

Unit: KX4 & KXR4 Series R410A - ICB RLED: off, ICB GLED: flashing, OCB RLED: off, OCB GLED: flashing

- The wiring of the remote controller connected to A and B is faulty
- The A and B wiring is connected in a closed loop
- The printed circuit board of the indoor unit runs away

Error Code: E2

Unit: KX4 & KXR4 Series R410A ICB RLED: flashes 1x, ICB GLED: flashing, OCB RLED: off, OCB GLED: flashing

- There is a duplication of indoor unit addresses
- There are more than 49 indoor units connected to a single network

Error Code: E3

Unit KX4 & KXR4 Series R410A ICB RLED: flashes 2x, ICB GLED: flashing, OCB RLED: off, OCB GLED: off

The outdoor unit is not receiving any mains power, either due to a power failure the power being switched off

ICB RLED: flashes 2x, ICB GLED: flashing, OCB RLED: off, OCB GLED: flashing

The outdoor unit has an incorrect address setting

ICB RLED: flashes 2x, ICB GLED: flashing, OCB RLED: stays on/off, OCB GLED: undefined

The outdoor unit is not receiving mains power

Error Code: E5

ICB RLED: flashes 2x, ICB GLED: flashing, OCB RLED: stays on/off, OCB GLED: undefined

Communication error between the outdoor and indoor units

ICB RLED: flashes 2x, ICB GLED: flashing, OCB RLED: off, OCB GLED: flashing, either regular or irregular

Failure with the outdoor unit's microcomputer

Unit: FD Split 1, 2 Series R410A - ICB RLED: flashes 2x, ICB GLED: flashing, OCB RLED: off, OCB GLED: off

Control failure of the outdoor unit, and also there may be a fault with the inverter parts

Unit: KX4 & KXR4 Series R410A - ICB RLED: flashes 2x, ICB GLED: flashing, OCB RLED: off, OCB GLED: off

- Power failure to the outdoor unit
- A communication error between the outdoor and indoor units
- The A and B wiring may be reversed