

'EJ2U' Branch Box Error Code on 48RLXFZ(1)

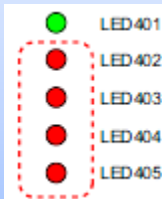
The **EJ2U** error code is what will be displayed on the condenser's diagnostic board when the branch box is the source of the error. At the same time, all affected indoor units will flash **13x on the Operation LED (green)** & **2x on the Timer (orange)**. The error is a very broad error code that covers a variety of issues ranging from crossed wiring to loose molex plugs. Begin by killing power to the disconnect for about 3-5 minutes and after reapplying it back, if the error code reappears then proceed by following the next few steps.



The error code could appear on the condenser's display board.

To begin, inspect all branch boxes for anything other than a solid green LED on LED402. With the **EJ2U** error code, it is not uncommon to see the following error codes registered on the effected branch box:

- LED402 – 1x Timer
- LED402 – 2x Timer
- LED402 – 6x Timer
- LED402 – 7x Timer
- LED402 – 8x Timer
- LED402 – 9x Timer

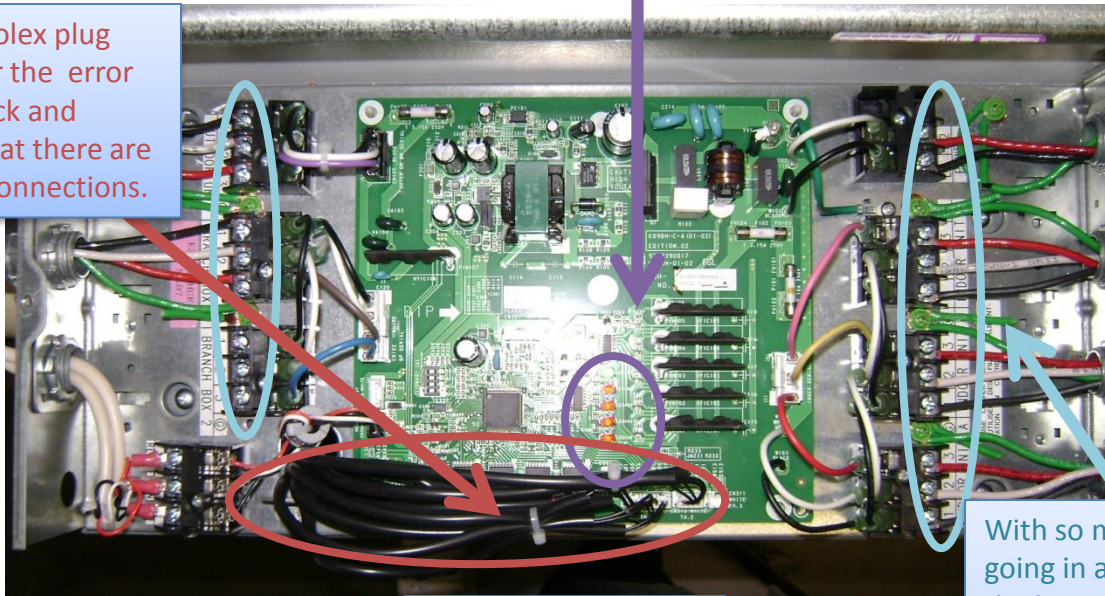


Service Tips

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Look for the branch box displaying any one of the above mentioned error codes as that would be the defective branch box.

A loose moxex plug will trigger the error code. Check and confirm that there are no loose connections.



UTP-PU03A – Branch Box

With so many wires going in and out of the branch boxes, it is very possible to mismatch the wires to their corresponding evaporators. Confirm all terminals for crossed wires.

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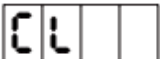
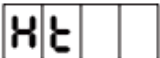
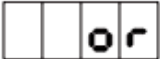
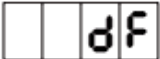

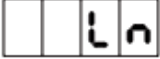
When the problem is corrected, it is not uncommon for the error code to remain on the diagnostics board. To clear it away, press the 'Enter' button on the condenser's display board once to clear it. With the error code cleared away, normal operation will resume

2-2-3. Normal status for Branch Box Display

Green	Red				Comment
LED401	LED402	LED403	LED404	LED405	
●	○	○	○	○	The branch box is functioning properly.

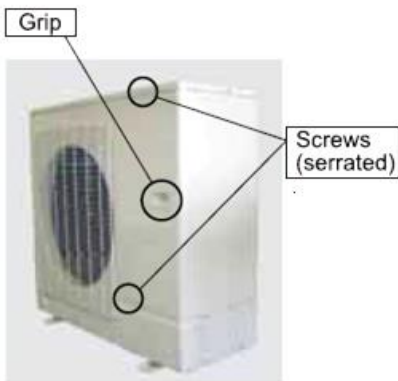
● : Lit
○ : Unlit

2-2-2 Normal status for Outdoor Unit Display

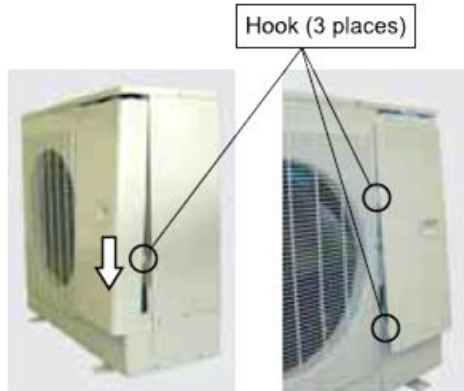
Indication type	7 Segment LED Pattern	Description
Idling(stop)	 Blank	
Cooling Mode	 "C" "OO" "L"	During Cooling Mode
Heating Mode	 "H" "EA" "T"	During Heating Mode
Oil Recovery Operation	 "O" "IL" "R" "ECOVERY"	During Oil Recovery Operation
Defrost Operation	 "D" "E" "F" "ROST"	During Defrost Operation
Power Saving Operation	 "P" "eak" "C" "ut"	During Power Saving Operation
Low Noise Operation	 "L" "OW" "N" "OISE"	During Low Noise Operation

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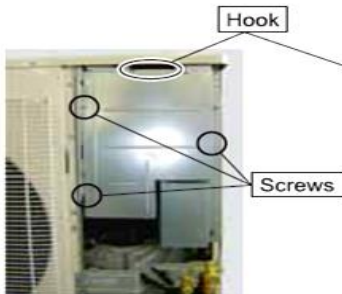
Be sure to put panels back together.



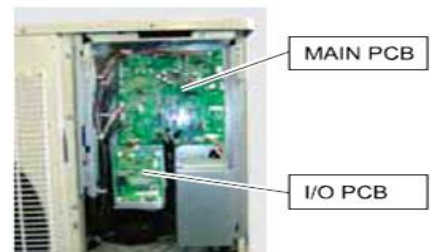
Remove the 2 mounting screws.



Remove the SERVICE PANEL by sliding downward.



Remove the 3 mounting screws.
Remove the COVER(FRONT) by sliding toward.



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EJ2U Error Code Flow Chart

Error code flashes EJ2U

Reset power to the disconnect. Does the error code reappear?

No

Yes

- Check all connections, loose connections or loose wiring.
- Check for corrosion or burn marks on the control boards within the branch box.

- Check if the ground connection is okay
- Check for external equipment that may cause harmonic wave interference.

Error code still present?

Thermistors ohm good?

Temperature (°C)	0	5	10	15	20	25	30	35
Resistance Value (kΩ)	168.6	129.8	100.9	79.1	62.5	49.8	40.0	32.4

Temperature (°C)	40	45	50
Resistance Value (kΩ)	26.3	21.2	17.8

