

# Expobar Control Board Retrofit Instructions

Applies to all Expobar Single-Group Heat-Exchanger Espresso machines except Office Control  
*Retrofitting a one-bank control board with the revised two-bank control board.*

## Detailed Explanation:

*Note: These instructions are written for the advanced technician who is comfortable self-servicing their machine's electrical components. If you have any concern about successfully or safely completing this process, please contact Technical Support before attempting any part of this process.*

Below are photos illustrating the wiring adaptations needed for retrofitting an old Expobar single-group heat exchanger machine with a more modern two-bank redesigned control board. If you have any questions or concerns, don't hesitate to give us a quick call—Our Technical Support department would be glad to address any concerns that might come up.



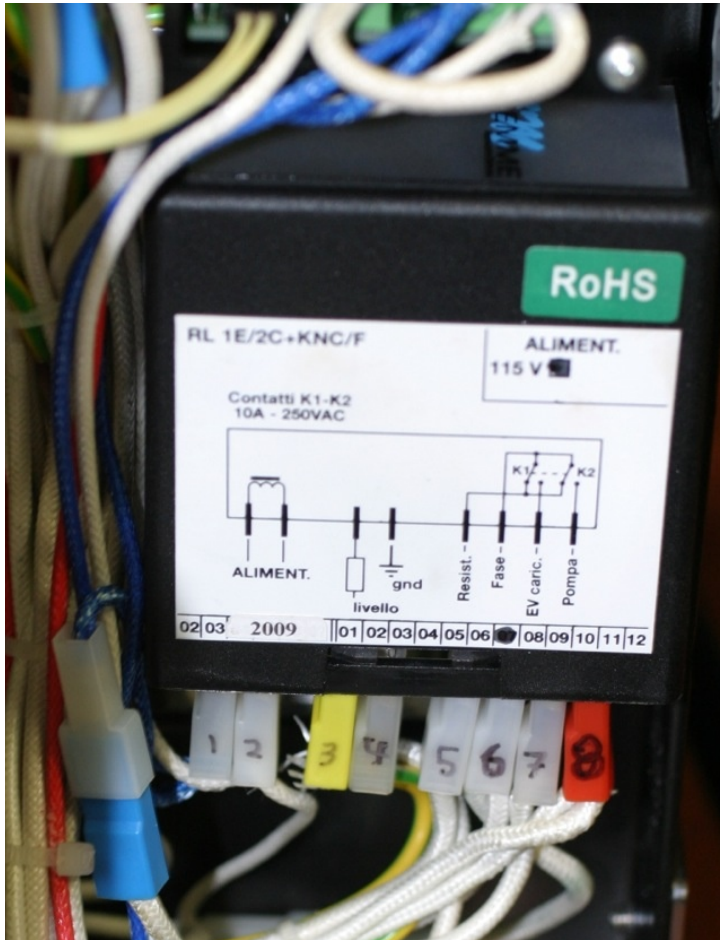
**Pictured: Left & Right: Old board with one row; Center: New board with two rows**

While these two parts are functionally identical, the old and new boards differ largely in the arrangement of their terminals. The new board has two abbreviated rows of terminals while the old has only a single row. If the board used by your current machine appears to have the two staggered rows of terminals instead of one straight line (as with the center board pictured above), you should be able to safely disregard this message and swap the wires without any changes.

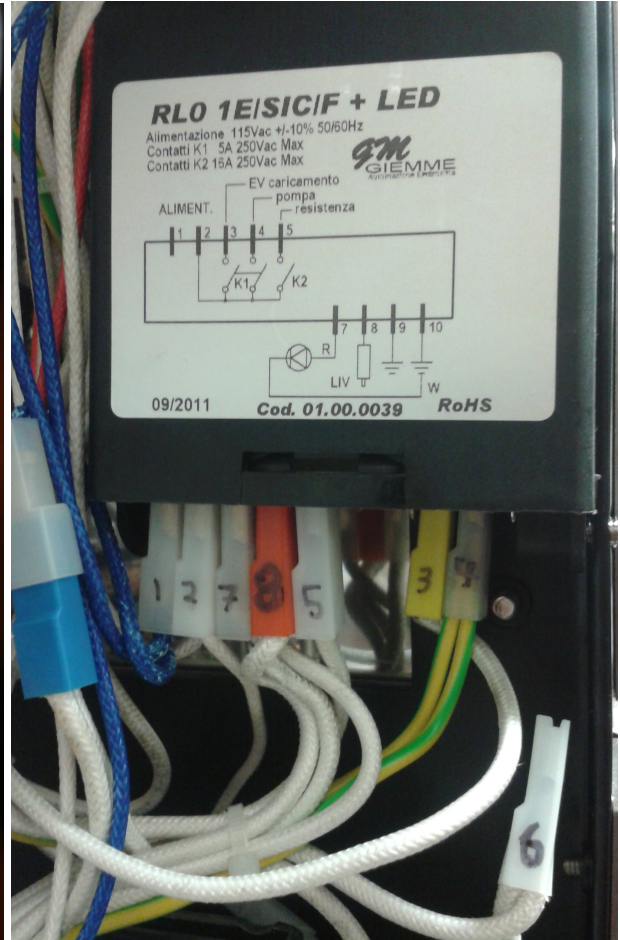
After completing the conversion, you will have one unused wire (attached to pin 6 on the old board, labeled "Fase"). Seal this loose connector off with a blank socket or electrical tape to avoid it corroding or creating a short circuit against the metal body of the machine. The two wires entering the rear bank (water level probe and ground) will have one empty terminal on each side as pictured, pins 7 and 10; These will not be used. The hot lead for the old board, previously connected to terminal 2 (*ailment*) remains on terminal 2 of the new board. We would also advise numbering the terminals (as illustrated) as it fool-proofs the whole process and gives you an easy-out should you want to jump back to the old board



**Pictured above-left: Old board from below; Above-right: New board from below**



**Left picture pin order: 12 34 5678**



**Right picture pin order: 12785 34**

**Below: Note the empty terminals on the new board (left of 3 and right of 4)**

