

OVERVIEW:

The Quest 876 has a minimum run time for compressor protection. In a situation where a call for dehumidification is removed quickly the unit will continue to run until the minimum run time is achieved. This can cause the humidity in the space to be much lower than wanted before the unit shuts off. These instructions will show you how to bypass this function but please note that compressor life and reliability may be greatly reduced leading to unit failure.

PARTS:

- 2 pole contactor with 24 volt coil. 25amp FLA rated
- Single pole relay
- Wire
- 3/16" and 1/4" spade connectors
- Self-drilling screws
- Cable ties

TOOLS:

- T30 torx
- 5/16 nut driver
- #2 Phillips driver
- Needle Nose pliers

INSTALL INSTRUCTIONS:

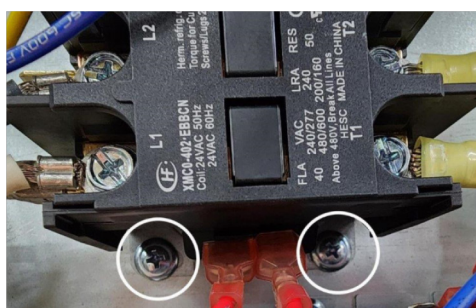
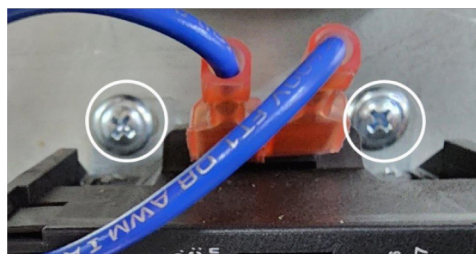
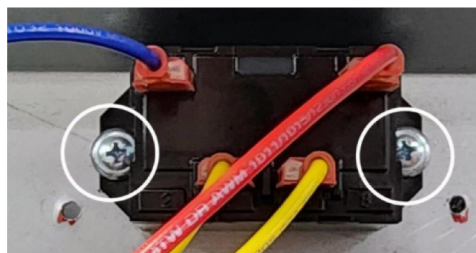
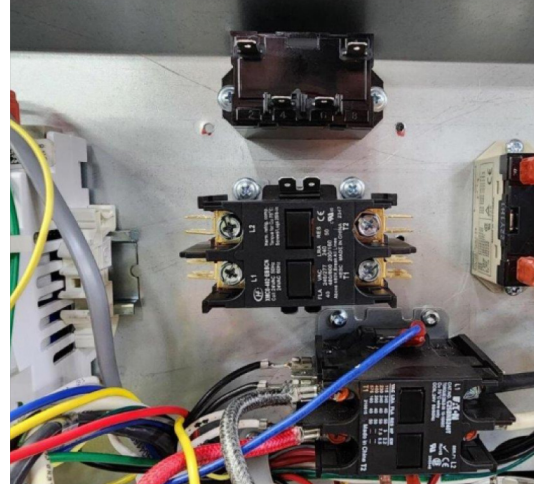
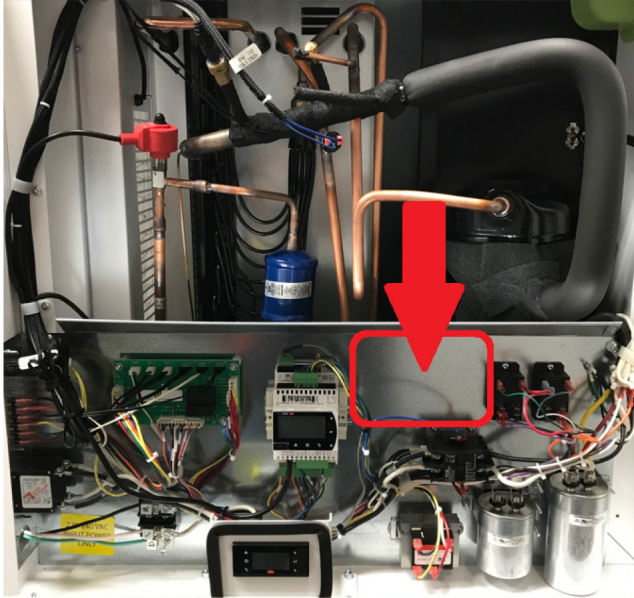


WARNING: Remove unit from power before making any repairs.

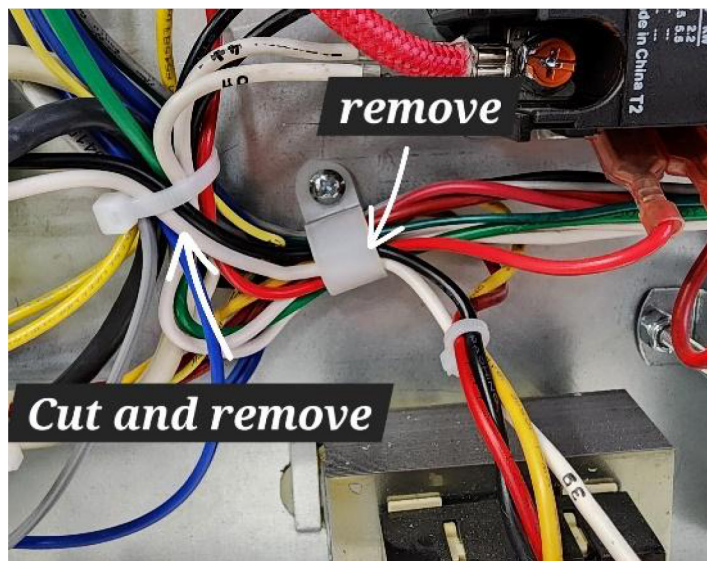
- 2-Pole Contactor and Single pole relay are partially pre-wired and labeled.
- 2-Pole contactor and Single pole relay install:
 - Center new 2-pole contactor and single pole relay in the space above the existing 2-pole compressor contactor, between the PLC and relays. (See Red box)Attach with provided self-drilling screws. (L1 and L2 terminals should be on left side)

Installation of 876 Compressor Run Time Bypass Kit

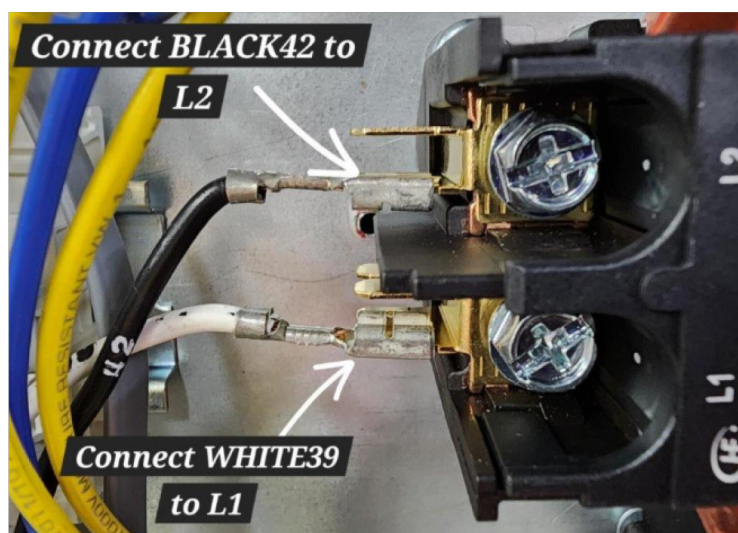
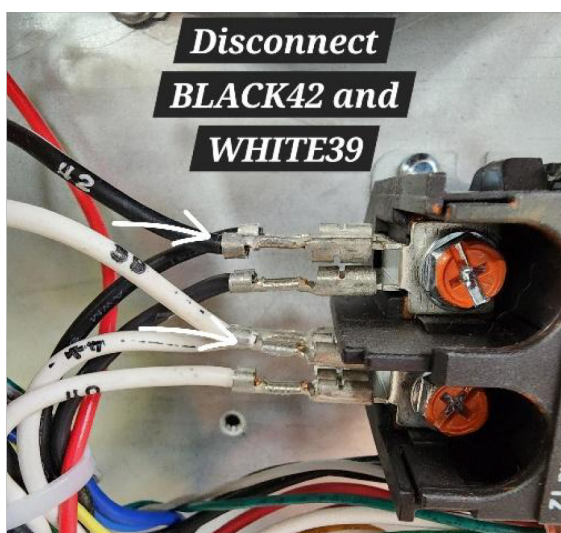
SERVICE DOCUMENT



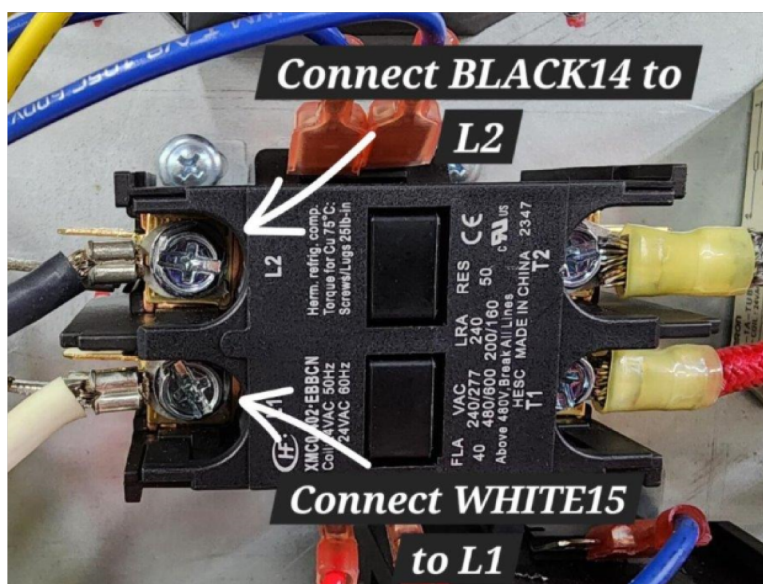
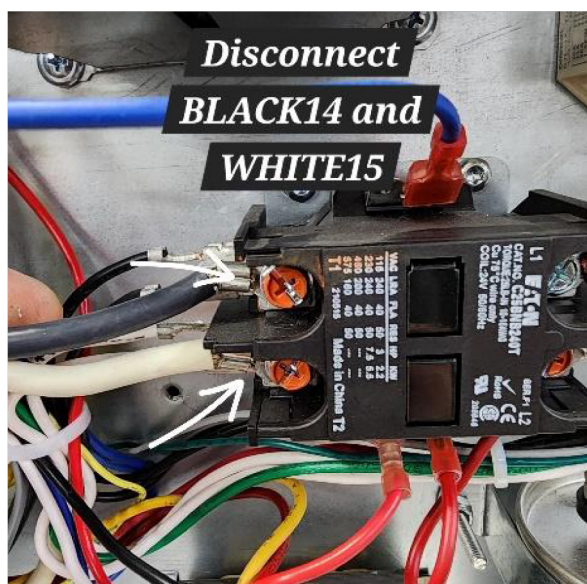
- Cut cable ties and remove P-clamp from below existing 2-pole contactor to free up wires.



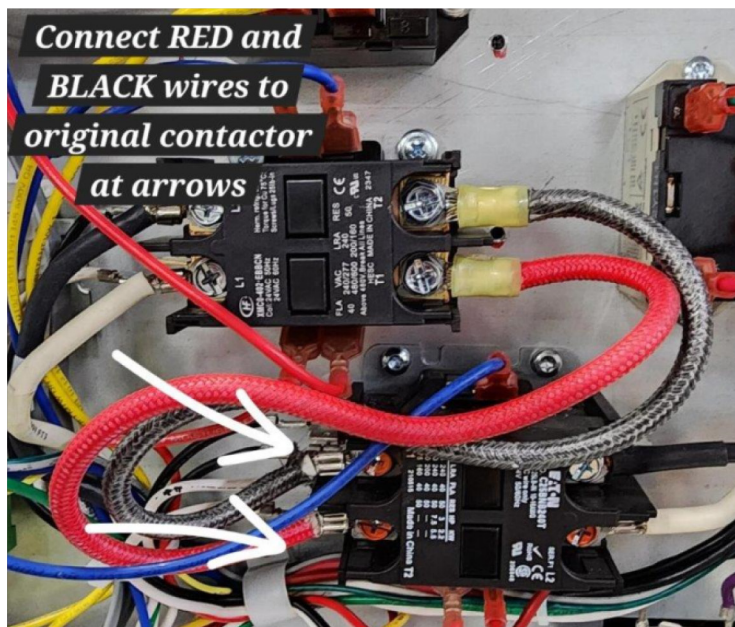
- Disconnect WHITE 39 from existing 2-pole contactor spade terminal and connect to L1 spade terminal of new 2-pole contactor
- Disconnect BLACK 42 from existing 2-pole contactor and connect to L2 spade terminal of new 2-pole contactor



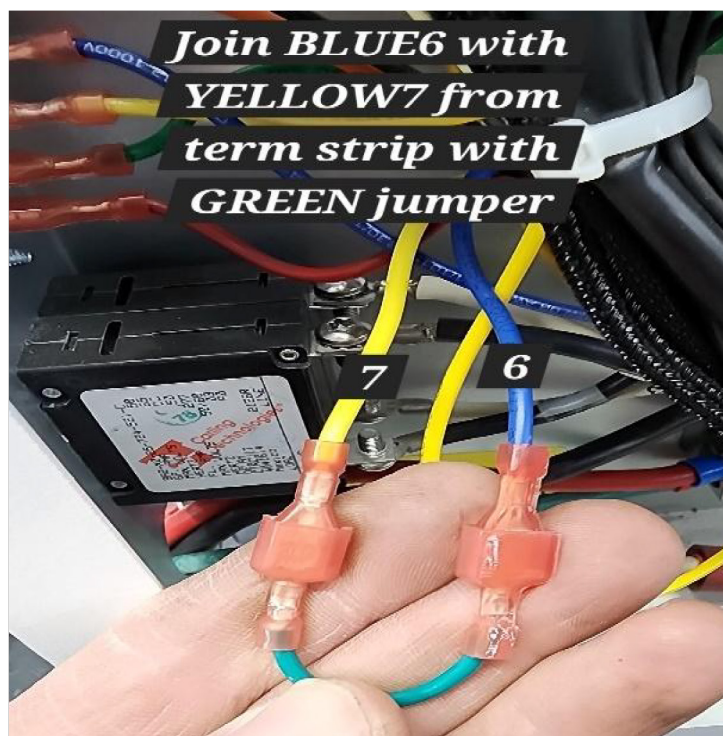
- Disconnect WHITE 15 and BLACK 14 from existing 2-pole contactor and connect WHITE 15 to L1 and BLACK 14 to L2 of the new 2-pole contactor.



- Connect BLACK wire from new 2-pole contactor to L2 of existing 2 pole contactor. (upper LH terminal)
- Connect RED wire from new 2-pole contactor to L1 of existing 2-pole contactor. (lower LH terminal)



- Disconnect BLUE 6 and YELLOW 7 from terminal strip. Use GREEN jumper provided to connect BLUE 6 and YELLOW 7 together.

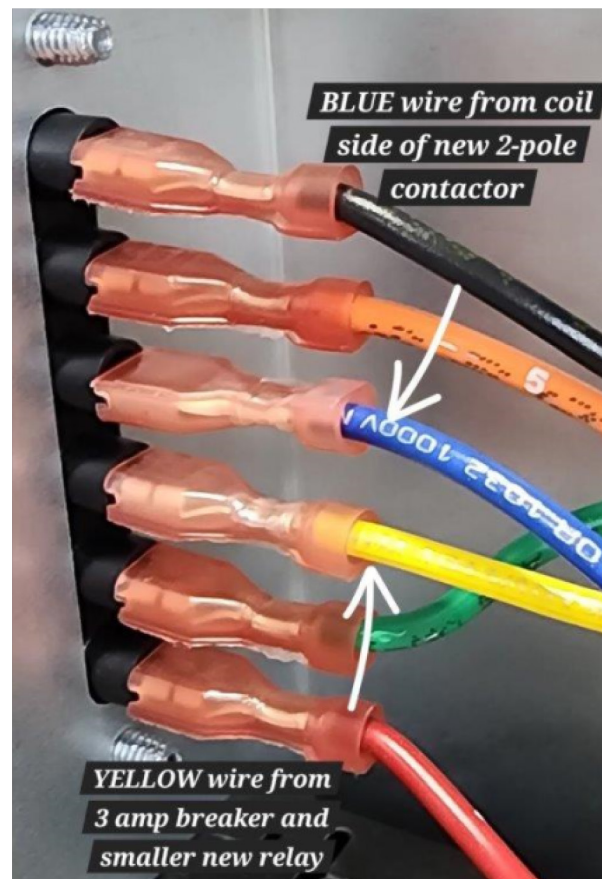
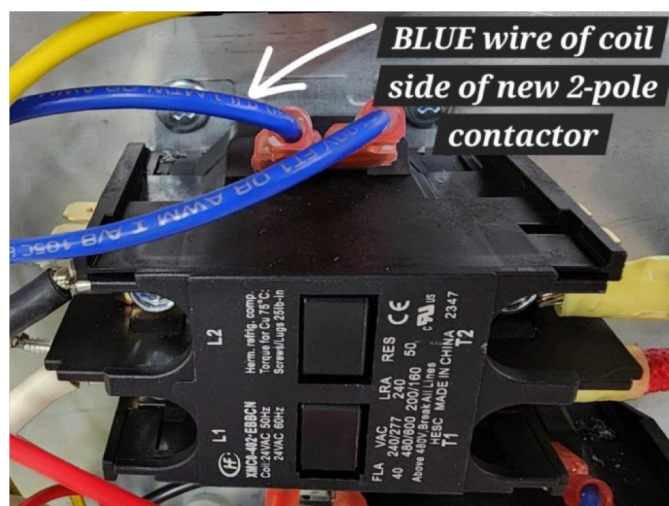


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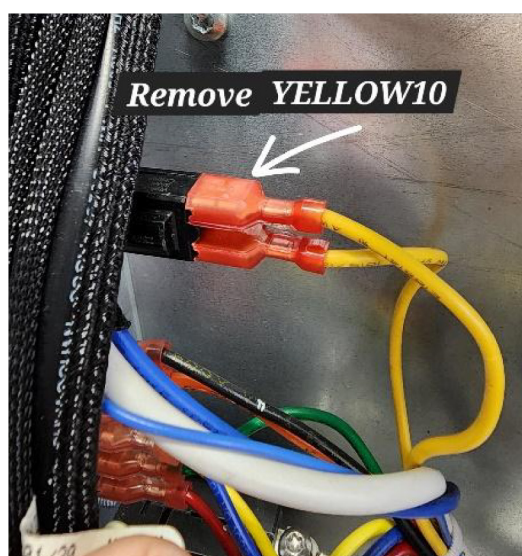
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- Connect BLUE wire from coil side of new 2-pole contactor to DHUM position on terminal strip.



- Disconnect YELLOW 10 from 3amp breaker. (May not be on top, check wire number)

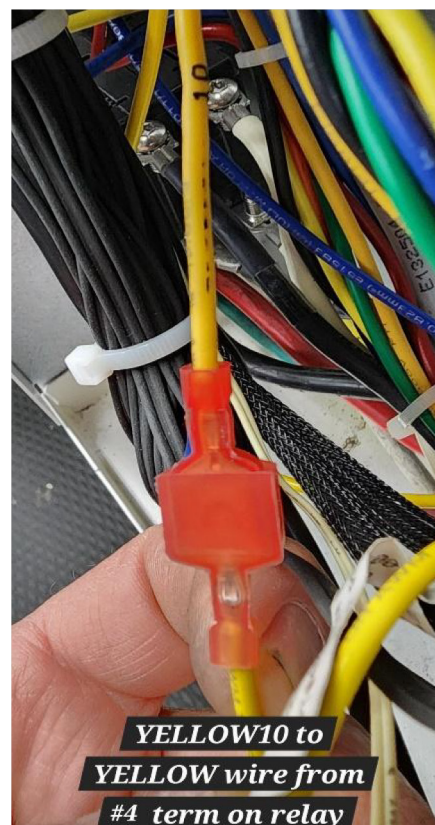
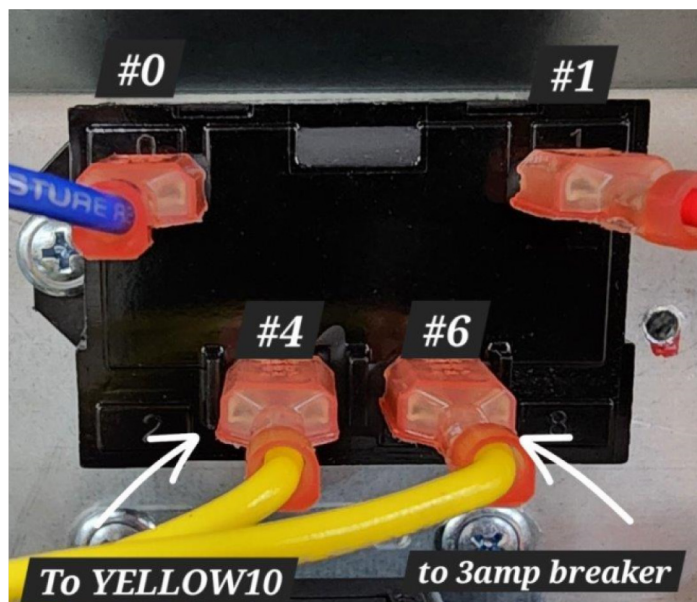


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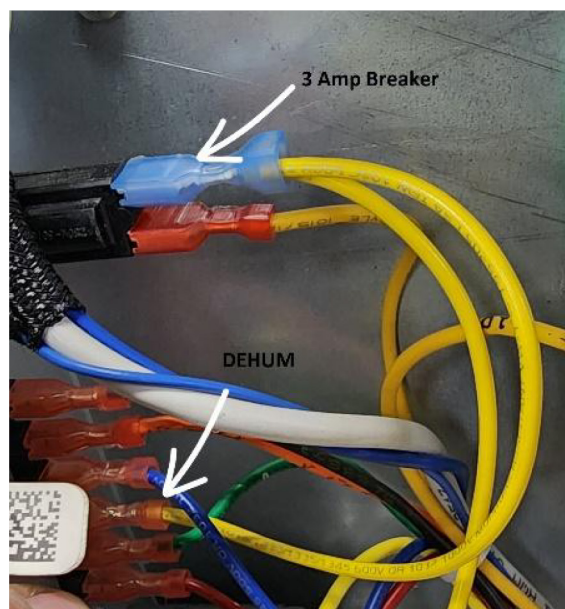
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- Connect YELLOW wire from #4 terminal of new relay to YELLOW 10



- Connect YELLOW wire from #6 of new single pole relay to 3 amp breaker (blue female spade connector with two wires) and R off terminal strip (smaller red female spade connector)

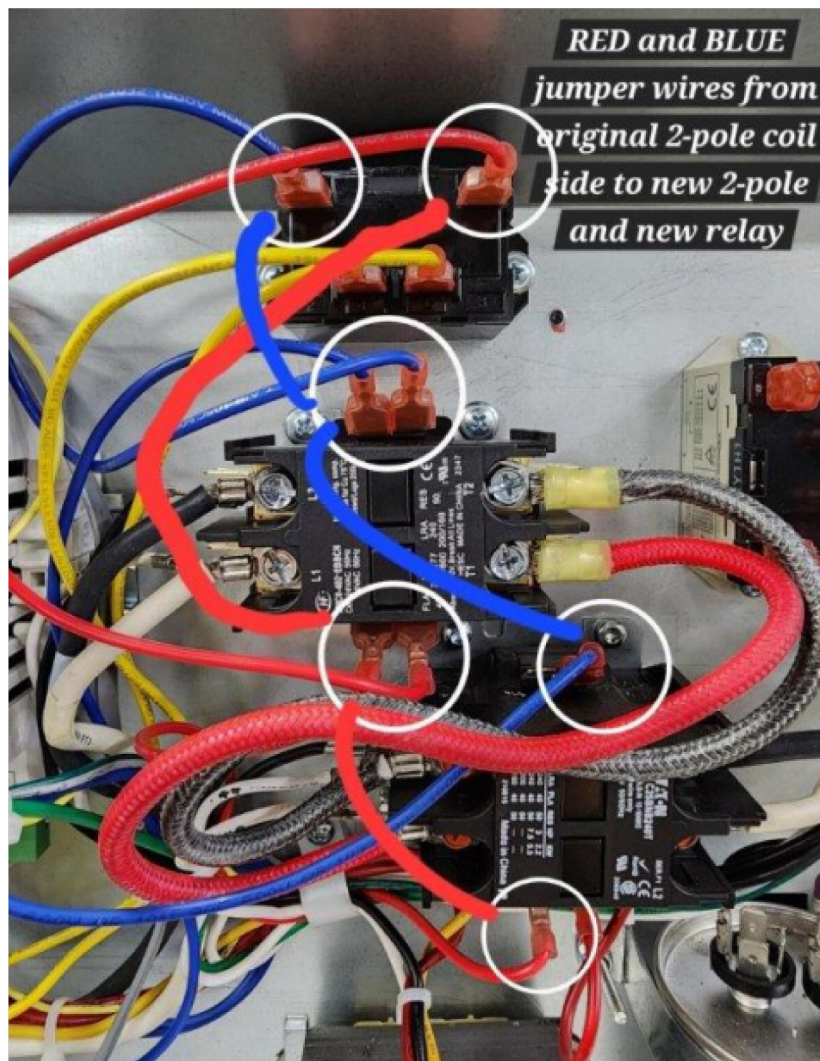


Installation of 876 Compressor Run Time Bypass Kit

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- Connect RED wire from coil side of new 2-pole contactor to coil side of existing 2-pole contactor next to RED 32
- Connect blue wire from new 2-pole contactor to coil side of existing 2-pole contactor.



- Use provided cable ties to secure new wires ensuring wires will not chafe.

Have Questions? Contact the Quest service department at **877-420-1330** or **service@questclimate.com**