



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB25-0003

Feb 24, 2025

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Subject: Back Bar Controller Conversion

Overview: Replacing CAREL temperature controller with EVCO model controller

To replace CAREL temperature controller with EVCO controller follow these steps:

Compatibility Check:

Before starting, ensure that the temperature probes are compatible (NTC, 10 K 0hms at 74°F). Disconnect the power supply to the equipment.

Locate the Controller:

Find the CAREL temperature control that needs replacement, typically mounted on a control panel.

Disconnect Wires: Carefully disconnect the electrical wires connected to the existing temperature control. Take note of each wire's position for accurate reconnection to the new control.

Remove the Old Control: Loosen any screws or fasteners securing the CAREL control and remove it from the panel or enclosure.

Install the New Control: Position the new EVCO temperature control in the same location as the old one. Ensure that mounting holes align and secure it with screws or fasteners.

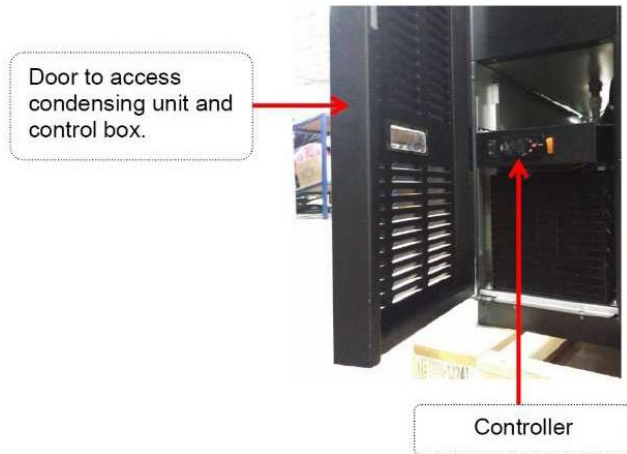
Reconnect Wires: Connect the electrical wires to the new temperature control according to the wiring diagram. Ensure proper connections:

- **Brown:** Line cables
- **Blue:** Neutral cable
- **Black:** Cable for activating the compressor

Final Check: Before restoring power, double-check that all cables are connected correctly as per the diagram.

Power on and Test: Once everything is verified, turn on the power and test the new temperature control to ensure it operates correctly.

Locate Controller:

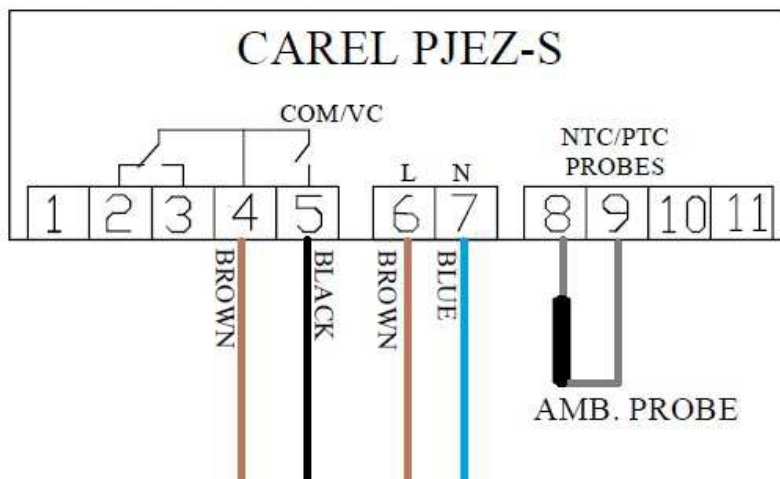


Location of Controller



CAREL Controller 12188079

ELECTRONIC CONTROLLER



CAREL Terminal Connections:

#4 Line (Brown)

#5 Compressor (Black)

#6 115V Line (Brown)

#7 Neutral (Blue)

#8 & #9 Probe (Gray)

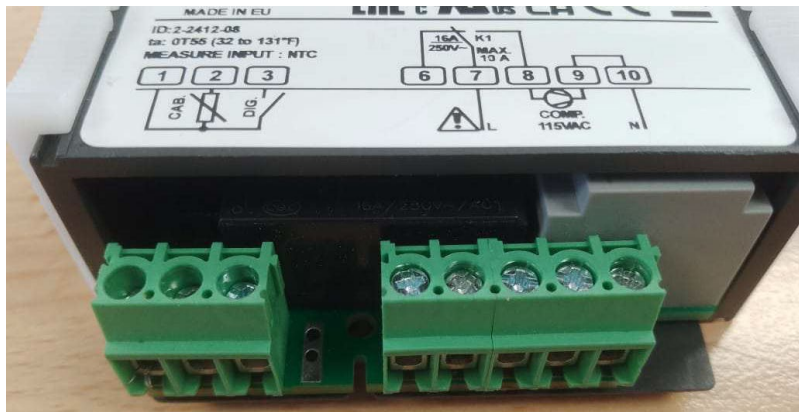
CAREL Controller 12188079



EVCO Controller 12307125



EVCO Terminal Connection Locations



1 2 3 6 7 8 9 10



Verify Connections:

#1 = Probe (Gray)

#2 = Probe (Gray)

#6 = Unused

#7 = 115V (Brown)

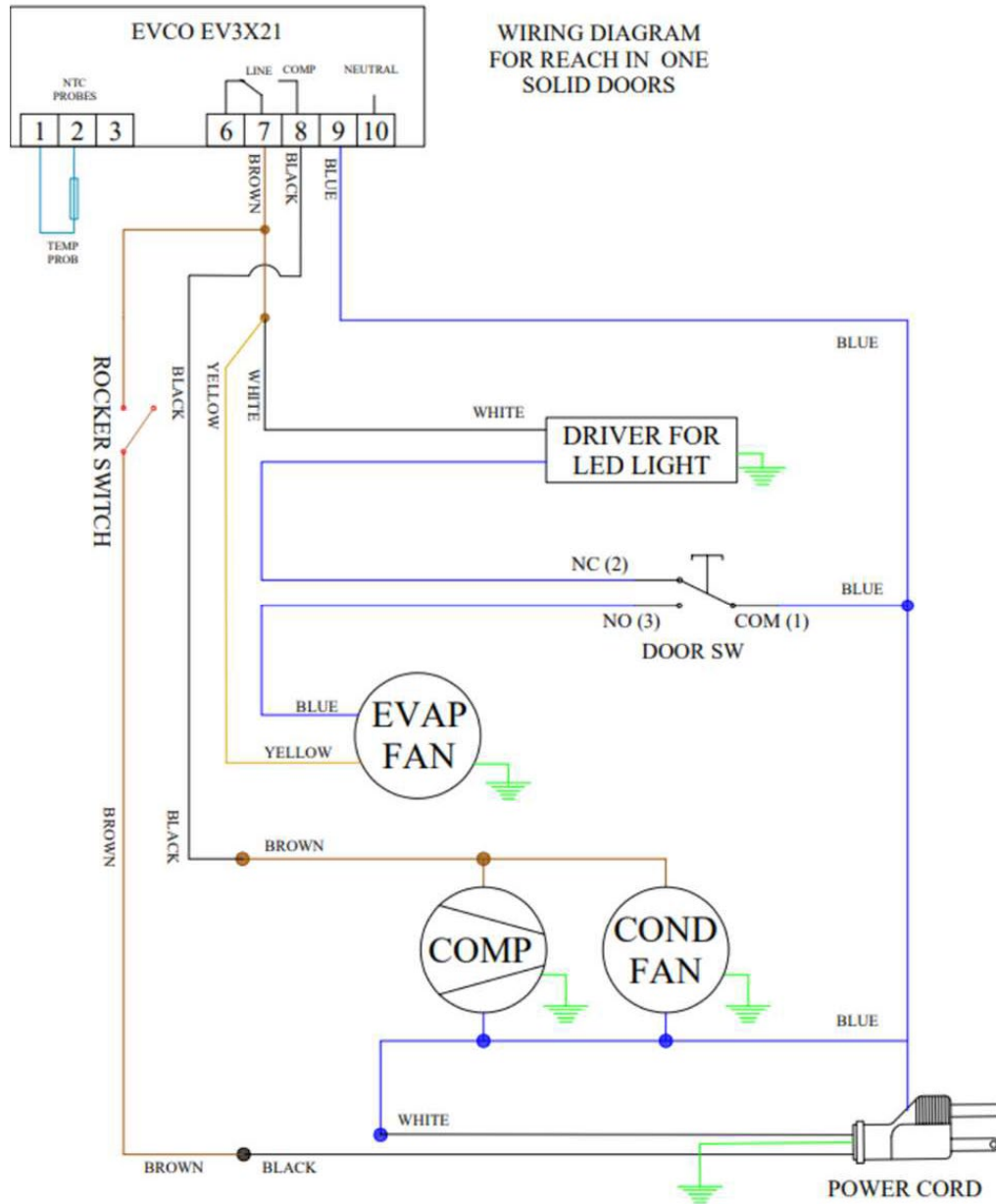
#8 = Compressor (Black)

#9 = 115V Neutral (Blue)

#10 = Empty

Terminal #10 is not connected, Terminal #9 functions as a neutral and common line with the compressor, #6 is unused.

Note: Original probe can be used on the new controller.



Please ensure that all servicing procedures adhere strictly to these guidelines to maintain compliance and ensure the safety and reliability of Hoshizaki products.

If you have any questions, please contact Hoshizaki Technical Support at 1-800-233-1940, or at email: tech-support@hoshizaki.com