

HAMILTON AIR®

3143 Production Drive • Fairfield, Ohio 45014 • 513-874-3733

Airflow Kit

P/N B10012

Installation Manual
for

Model **HA-1000** with I/O Controls

Includes:

- 4 amp Transformer with Relay and Wires
- 2-6-32 X ¼" Phillips Truss Head Screws
- 2 Butt Splice Wire Connectors
- 4 Wire Ties

Rev. "C"

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Installation Instructions:

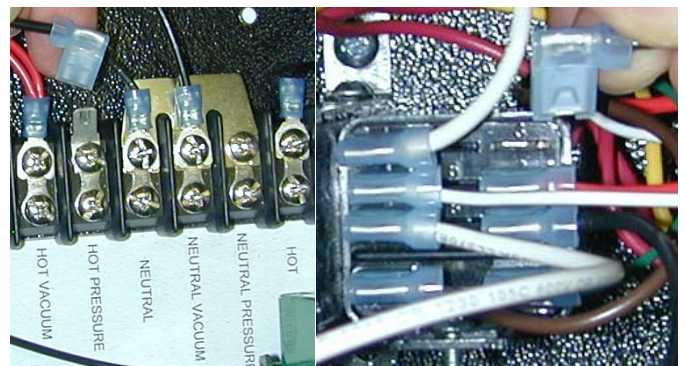
1. Turn power switch off on the control panel.
2. Unplug transformer from I/O control board and remove the plug from the transformer wires.
3. Install the plug on the new transformer with the yellow wire in the center terminal and the red wires in the outer terminals.
4. Remove transformer black wire from the neutral on the power strip and cut the other black wire in half leaving half on the transformer and half on the control panel.
5. Remove the transformer from the control panel and mount new transformer with the relay in the up position.
6. Remove the jumper connecting the terminals labeled “Neutral Pressure” to “Neutral Vacuum” from the power terminal strip.
7. Connect the top black wire on the new transformer to the black wire cut in step #4.
8. Connect the bottom black wire on the new transformer to the “Neutral” terminal on the power terminal strip. (DO NOT use the “Neutral Pressure” terminal for this.)
9. Plug new transformer into I/O control board power connector as removed in step #2.
10. Connect the four position orange plug with the brown and green wires to connector J9 on the I/O control board.
11. Connect the five position orange plug with the red and white wires to connector J10 on the I/O control board.
12. Remove factory connected wires from terminal labeled “Hot Pressure” on lower main terminal strip. (Note: this terminal is a push-on spade type)
13. Reconnect wires removed in step #12 to the airflow relay terminal #3.
14. Connect the black wire from airflow relay terminal #9 to the terminal labeled “Hot Pressure” on lower main terminal strip. (Note: this terminal is a push-on spade type)
15. Connect white wire from terminal #1 on the airflow relay to the terminal labeled “Neutral” on lower main terminal strip.
16. Connect white wire from terminal #7 on the airflow relay to the terminal labeled “Neutral Pressure” on lower main terminal strip.



J10

J9

24VAC



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Airflow operation:

The E0873 control board can be set-up to run an airflow kit for reducing condensation buildup in the tubes. Note: A separate airflow kit must be added to the tube system for this function to operate. The airflow function runs the pressure turbine motor on a larger 24VAC transformer. The airflow function is triggered three (3) minutes after the customer has closed and/or the blowers have stop running.

The airflow function is signaled by a LED light on the control board labeled “Airflow”. When this LED is on, the airflow relay should be energized. When this relay is energized, the 120VAC power and neutral are disconnected from the pressure motor and the 24VAC power and neutral are connected. The airflow operation will be automatically interrupted if the tube system is activated.

The airflow function can be turned on or off depending on the weather and need.

- 1) Recall the carrier to the customer unit. (Make sure customer door is open)
- 2) Press and hold the carrier recall button (SW4) on the control board while pressing the customer send button on the customer unit.

The airflow LED indicator will flash to indicate if the airflow function is on or off.
One flash = ON, Two flashes = OFF

Note: to toggle the function on and off, both SW4 and customer send must be released.