



Building Performance Equipment, Inc.®
Product Information Bulletin (PIB)

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Subject: BPE Forex Controller—Dual Fan Speed Controller with High-Speed Reset Timer

Overview: This analog BPE control system is a wall-mounted controller used to set and manage fan speeds on BPE ERV units equipped with two fans or two sets of fans. It provides independent high-speed and low-speed dial adjustment for each fan, plus a momentary high-speed reset button for temporarily boosting airflow.

Function: Explanation of the four speed-adjustment dials and the high-speed reset timer feature.

1. The BPE Control System houses four dials that set the running speed of the unit's two fans.
 - **Fan 1 – High Speed:** Sets the top running speed of Fan 1, adjustable from 0–100.
 - **Fan 1 – Low Speed:** Sets the reduced running speed of Fan 1, adjustable from 0–100.
 - **Fan 2 – High Speed:** Sets the top running speed of Fan 2, adjustable from 0–100.
 - **Fan 2 – Low Speed:** Sets the reduced running speed of Fan 2, adjustable from 0–100.

Each dial is independently adjustable, allowing Fan 1 and Fan 2 to be tuned to different speed profiles as required by the application.



BPE Forex Controller—front panel with four speed dials and High-Speed Reset button.

Tip: Turn dials counterclockwise to increase the set speed value and clockwise to decrease it. Confirm the setpoint against the printed scale (0–100) surrounding each dial.

2. High Speed Reset button:

Pressing the **High-Speed Reset** button starts a 20-minute timer and immediately switches both fans over to their **high-speed** dial setpoints, regardless of the speed at which the unit was previously running.

This is useful when a temporary boost in ventilation is needed—for example, to quickly clear odors, humidity, or contaminants from a space—without requiring a permanent change to the unit's normal operating speed.

To use:

- a) Press the High-Speed Reset button once.
- b) Both Fan 1 and Fan 2 immediately ramp up to their respective high-speed dial setpoints.
- c) The unit runs at high speed for 20 minutes.
- d) After the 20-minute timer expires, the unit automatically returns to its prior speed setting (Low Speed, or whatever speed the unit was running at before the button was pressed).



High-Speed Reset button starts the 20-minute boost.

Notes:

- The High-Speed Reset feature does not change the dial setpoints; it only temporarily overrides which setpoint (High vs. Low) the fans run at.
- Confirm both Fan 1 and Fan 2 dials are set to the desired High Speed and Low Speed values before relying on the High-Speed Reset feature, since the reset will drive the fans to whatever high-speed value is currently dialed in.