COBRAFLEX PRINTERS

INSTRUCTIONS

Revision 2026-11

SKU: CF-Dual-Air-2N

Air Pneumatic Control Panel Instructions

CobraFlex Pneumatic Heat Press — Temperature Controller Settings

Models covered by this document

Model	CobraFlex SKU	Description
Dual Station Pneumatic Heat Press	CF-Dual-Air-2N	Dual Station Pneumatic Heat Press - Cobra
Dual Pneumatic Heat Press V2	CF-Dual-Pneumatic-Heat-Press-V2	Heat Press Dual Pneumatic V2

Document	Instructions
Revision	2026-11
Prepared by	CobraFlex Printers LLC, 906 S. Priest Drive, Suite 104, Tempe, Arizona 85281
Service	service@cobraflexprinters.com · (602) 930-1858
Based on	Air Pneumatic Control Panel instruction (heat press temperature controller), summarized by CobraFlex Printers

These instructions explain the keys on the heat press temperature controller, the controller parameters and their factory values, and how to turn on the transfer counter.

CobraFlex Service and Support

Email: **service@cobraflexprinters.com** Phone: (602) 930-1858

Support hours: Monday–Friday, 8:00 AM–4:00 PM Arizona time

Need help? Submit a service ticket: https://cobraflexprinters.zohodesk.com/portal/en/newticket

You can also email service@cobraflexprinters.com (this link opens a pre-filled email for the CobraFlex Dual Station Pneumatic Heat Press, SKU CF-Dual-Air-2N).

Please include your company name, the machine serial number, a description of the problem, and photos or a short video. For printers, also attach a current nozzle check print.

CobraFlex Printers LLC · 906 S. Priest Drive, Suite 104, Tempe, Arizona 85281 · cobraflexprinters.com



CobraFlex Dual Station Pneumatic Heat Press (CF-Dual-Air-2N)

Controller Keys

Key	Function
SET	Press and hold to enter or exit the parameter settings screen.
DOWN	Decreases the selected parameter value (in the settings screen).
UP	Increases the selected parameter value. Press and hold to start self-tuning.

Caution: Once self-tuning starts, do not unplug the unit or press any key until it finishes (the °C/°F indicator stops blinking). Before self-tuning, set the target to the normal working temperature and let the heat plate cool to room temperature first. Use self-tuning only if the machine is not controlling temperature properly — it changes the PID parameters automatically.

Controller Parameter Reference

Caution: Do not change any parameter except Pb (temperature calibration) and SL2 (°C/°F) unless CobraFlex Service tells you to.

The table lists the setting for three groups of machines: pneumatic models (except the TQ-1515); manual machines (TA-4050, TY-4050, THX-4050, T-13×9, T-1515, and other manual models); and the TQ-1515.

Display	Code	Description	Pneumatic models (except TQ-1515)	Manual machines	TQ-1515
AT 1	ATI	Temperature alarm value. All models set to 50.	50	50	50
P	P	P value for PID control. Changes automatically after self-tuning finishes.	Do not change	Do not change	Do not change

Display	Code	Description	Pneumatic models (except TQ-1515)	Manual machines	TQ-1515
	I	I value for PID control. Changes automatically after self-tuning finishes.	Do not change	Do not change	Do not change
	D	D value for PID control. Changes automatically after self-tuning finishes.	Do not change	Do not change	Do not change
	Ar	Temperature surge control. All models set to 100.	100	100	100
	T	Temperature control period. All models set to 3.	3	3	3
	Pb	**Temperature calibration.** If the measured temperature is 1 °C (or 1 °F) lower than the displayed temperature, decrease Pb by 1. Example: the measured temperature is 350 °F and the screen shows 355 °F; with Pb at −15, lower Pb by 5 to −20.	Adjustable	Adjustable	Adjustable
	SL2	Temperature scale: 0 = Celsius (°C); 1 = Fahrenheit (°F).	Adjustable	Adjustable	Adjustable
	SL4	Temperature alarm mode. All models set to 1.	1	1	1
	SLH	Upper limit of the temperature setting.	260 °C (500 °F)	260 °C (500 °F)	260 °C (500 °F)
	SLL	Lower limit of the temperature setting.	0 °C (32 °F)	0 °C (32 °F)	0 °C (32 °F)
	AHI	Alarm return difference. All models set to 4.	4	4	4
	DF	Measurement filter factor. All models set to 200.	200	200	200
	RUN	Timer control mode. Factory setting for each machine type — do not change.	6	0	1
	LCT	0: only timer 1 is adjustable; 1: only timer 2 is adjustable; 2: timers 1 and 2 are both adjustable; other: neither timer is adjustable.	2	2	2
	LCK	Panel lock. 0: all parameters are adjustable; 1: only the set point (SV) is adjustable; 2: the panel is locked. Keep at 0.	0	0	0

Turning On the Transfer Counter

The counter tallies the number of transfers made in the current session and resets to 0 when the power is turned off and on. A video walkthrough is available from CobraFlex Service.

1. Press the Up and Down buttons together.



2. Press Up until the display reads "88", then press SET.





3. Press SET two more times, change the "C-E" parameter to 0, then press SET once more.





4. Press and hold SET to return to normal working mode.

For full technical detail, refer to the complete manufacturer document.

Proper Operating Environment

This controller document does not list room temperature, humidity, power, or compressed-air requirements. The requirements it does state are below.

Requirement	Specification
Temperature setting range	The controller accepts set temperatures from 0 °C (32 °F) to 260 °C (500 °F) (parameters SLL and SLH). [Air Pneumatic Control Panel instruction]
Self-tuning	Before self-tuning, let the heat plate cool to room temperature, and do not unplug the unit while self-tuning runs. [Air Pneumatic Control Panel instruction]

Requirement	Specification
Site and relocation	Site conditions must conform to the machine site specifications. Do not move the equipment without notifying CobraFlex or your dealer. [CobraFlex Warranty Terms and Conditions]

Warranty Summary

This is a summary of the CobraFlex Printers Warranty Terms and Conditions. The full terms are in the document *CobraFlex-CF-ALL-PRINTERS-DTF-UV-Printers-Warranty-Terms-and-Conditions-Rev2026-11.pdf* and online at https://cobraflexprinters.com/policies/terms-of-service; the full terms govern if anything here differs. CobraFlex Printers may change the warranty at any time.

- The CobraFlex Limited Warranty covers defects in material and workmanship under normal use and service for a period of one (1) or two (2) years, depending on the model and purchase agreement, from the original date of purchase, excluding wear-and-tear items and consumable parts. It is non-transferable and applies only to the customer who purchased directly from CobraFlex or an authorized CobraFlex dealer.
- Service support is remote (phone and virtual). On-site service and travel expenses are not covered. Support hours are Monday–Friday, 8:00 AM–4:00 PM Arizona time.
- Not covered: damage from accident, misuse, abuse, neglect, fire or water damage, electrical disturbances, loss or damage in transit, improper site preparation, operation outside the product specifications, and unauthorized modification, maintenance or repair.
- Training: CobraFlex or its dealers provide training on proper operation and maintenance. Operators who are not properly trained are not covered.
- Moving the equipment without notifying CobraFlex or its dealer voids the warranty.
- It is the customer’s responsibility to return parts to CobraFlex safely; parts damaged in shipping due to inadequate packing are not covered.

CobraFlex Service and Support

Email: **service@cobraflexprinters.com** Phone: (602) 930-1858

Support hours: Monday–Friday, 8:00 AM–4:00 PM Arizona time

Need help? Submit a service ticket: https://cobraflexprinters.zohodesk.com/portal/en/newticket

You can also email service@cobraflexprinters.com (this link opens a pre-filled email for the CobraFlex Dual Station Pneumatic Heat Press, SKU CF-Dual-Air-2N).

Please include your company name, the machine serial number, a description of the problem, and photos or a short video. For printers, also attach a current nozzle check print.

CobraFlex Printers LLC · 906 S. Priest Drive, Suite 104, Tempe, Arizona 85281 · cobraflexprinters.com