

E4 OPERATIONS GUIDE

!CAUTION: The bottom of the heater assembly gets HOT!

Handle the heater only by the tabs protruding from the sides of top heater.

The heater is set to the optimum temperature to assure proper adhesion of the tape to your package. MCM manufactures two top heaters and all production equipment is shipped standard with our next generation heater. E4-3.2 "PERFECTEMP" heats to 45 C (114°F). Older style heaters have adjustable knob and can reach temps of 75 C (170°F).

OPERATING EVOLUTION SERIES INKJET

1. Please see Evo Operations Guide.

E4 SERIES TAPE DISPENSERS

1. E4 series set up and loading instructions are nearly the same as all other Phoenix model machines (see with only minor differences, the on/off switch is on the rear of the cabinet. Once depressed the screen will illuminate.
2. E4 comes with enhanced features and are accessed through the function keys and/or the handheld scanner
3. Slanted Function Keys Operate Several Different Functions On The New E4
 - a. PROG – Red Led -- When In Program Mode Allows Use Of Subset Numbers 0-9 (36, 39, 42, 21, 24, 27, 6, 9, 12, 15 Length Keys) To Program Custom Lengths
 - b. ** - Green led – toggles through preset lengths – works in both program mode (to set lengths) and eye mode (to dispense lengths)
 - c. Eye – green led --toggles the use of photoelectric eye
 - d. Print – green led – toggles print mode when evolution printer is attached – green (print) no led (no print)
 - e. Feed – red led – feeds desired input length when in prog mode, acts as a constant feed when not in prog mode
4. Programing a custom length
 - a. Press PROG key (note there are 3 preset positions) a small led arrow will indicate which preset you are storing your custom length in
 - b. Enter desired length (3 digits) in inches with a range of 03.5 through 99.9 inches (less than 03.5 inches will display an error message)
 - c. To feed one at a time press feed key
 - d. To set up on photo eye press eye and press PROG key (order does not matter once eye led is lit and prog is exited machine is set for custom length)
5. Storing custom lengths
 - a. Use the ** key to toggle between 3 program presets, indicated by a small arrow
6. Recalling custom lengths
 - a. In eye mode simply wave your hand in front of photocell located directly below keypad. Pressing ** will toggle between 3 custom lengths
 - b. In prog mode press ** key to toggle between custom lengths
7. Using the photo eye

a. Press eye key (green led is lit when eye is operational) wave hand in front of photo cell (2.5" sensitivity is factory set)

NOTE: FACTORY PRESET CUSTOM LENGTHS ARE STORED IN MACHINE BEFORE SHIPPING.

b. Press the ** key to toggle preset custom lengths while in eye mode

8. Using the handheld scanner (optional)

a. Plug scanner into the rs232 port located at the back of the cpu cabinet (left side of the machine)

b. Scan desired actions

NOTE: ALL FUNCTIONS ARE PERFORMED BY THE UNIT WHEN USING THE SCANNER I.E. NO NEED TO PRESS ANY FUNCTION OR LENGTH KEYS

MAINTENANCE OF YOUR PHOENIX

1. Wetting brushes - wash brushes once a week as explained in set up instructions. Once a month clean out the water tank. Remember to install the brushes the same way each time.

2. Heater. Glue will accumulate on the bottom of the heater after extended use. Glue is water soluble so do not scrape the heater just wash the bottom with warm water

3. Moveable shear. Behind the blade that goes up and down to perform the cutting is a felt pad held in place against the shear with a spring. That felt pad is filled with oil and that keeps the shear from getting a build up of glue. Once a month fill the felt pad with light machine oil, eg 3 in 1.

4. Electronic controller unit. There are no serviceable parts in this unit. Please do not open the cpu unit.

TECHNICAL SPECIFICATIONS

All Phoenix electrics run on 110V / 60 Hz electricity

Phoenix heaters (E4-3.2) are set to 40°C

Machines can hold tape widths from 1.5" – 3" standard (other options available)

Machine will dispense rolls up to 7.5" in diameter (other options available)

Units draw less than .5A at rest (power on), unit draws 1 A during run cycle.

Shipping weights; E1 - 29lbs E2 – 30lbs E4 – 30lbs E4-220 – 33lbs EVO - 34lbs

Bench Weights; 27lbs 28lbs 28lbs 30lbs 31lbs

COMMUNICATIONS PROTOCOL -- PHOENIX E4 TAPE DISPENSER

E4 Communications Port

RS232

Baud Rate 9600

No Parity

8 Data Bits

1 Start Bit

1 Stop Bit

Communications Commands

Software Version: 'V'

Host Command Q V X

Tape Machine Response Q V 1 0 4 LF CR X

Tape Length: 'L'

Host Command Q L 1 8 2 X

Tape Machine Response Q L 1 X Acknowledge Request

Tape Machine Response Q L 0 X Error Last Command

Photo Eye Enable/Disable 'E'

Host Command Q E 1 X Enable Eye

Host Command Q E 0 X Disable Eye

Tape Machine Response Q E 1 X Acknowledge Request

Tape Machine Response Q E 0 X Error Last Command

Active Memory: 'M'

Host Command Q M 0 X Select Memory location 0

Host Command Q M 1 X Select Memory location 1

Host Command Q M 2 X Select Memory location 2

Tape Machine Response Q M 1 X Acknowledge Request

Tape Machine Response Q M 0 X Error Last Command

Print Mode Enable/Disable: 'P'

Host Command Q P 1 X Enable Print Mode

Host Command Q P 0 X Disable Print Mode

Tape Machine Response Q P 1 X Acknowledge Request

Tape Machine Response Q P 0 X Error Last Command

Dispense Tape: 'D' Dispense Tape

Host Command Q D X

Tape Machine Response Q D 1 X Acknowledge Request

Tape Machine Response Q D 0 X Error Last Command

H-SEAL Enable/Disable: 'H'

Host Command Q H 1 X Enable H-SEAL

Host Command Q H 0 X Disable H-SEAL

Tape Machine Response Q H 1 X Acknowledge Request

Tape Machine Response Q H 0 X Error Last Command

LIMITED WARRANTY

The manufacturer warrants each new Phoenix dispenser and accessory to be free from defects in material and workmanship under normal and proper use, its obligation under this warranty being limited to making good any defective parts within one year after delivery to the original purchaser.

The company will replace any defective parts within warranty, on a no-charge basis. The Dealer will furnish for the first 6 months, without charge necessary labor, or instruct the customer's Maintenance Department in servicing the machine.

This warranty does not include motor brushes, water brushes or cutter blades that are replaced for normal usage unless proven to be defective.

For service (in or out of warranty), contact your local authorized Phoenix Dealer.

**THANK YOU FOR BUYING THE BEST TAPE MACHINE
AVAILABLE ON THE MARKET TODAY!**