

EC-4T Pattern Controller



FEATURES:

- ◆ Direct toggle switch adjustments
- ◆ Digital read-out and L.E.D. indicators
- ◆ FPM/MPM read-out (for line speed information)
- ◆ 120 Vac/240 Vac configurable
- ◆ Removable terminal strips
- ◆ AC or DC output modules available
- ◆ See through door panel
- ◆ Hinged inside panel
- ◆ Inputs & outputs optically isolated

The HAECO EC-4T is actually two timers in one. Two independent triggers can initiate two separate glue patterns. Each pattern can consist of up to 4 events (2 gaps & 2 glues). In addition, each glue event can be programmed to stitch mode, producing short patterns of glue within a single glue event, saving on adhesive costs.

The EC-4T is capable of producing a continuous bead of adhesive as long as the Photo Eye is engaged, and a minimum machine speed is



maintained. This function is particularly useful in continuous web applications where continuous glue is used for some products, and a pattern glue is used for other products. Once initial set-ups are made for line speed, head compensations, and low speed cut-off, patterns are accurately placed regardless of line speed, and all settings can be locked into place with the security lock feature.

Also available in a combination box with other HAECO controls.



SPECIFICATIONS:

PHYSICAL:

- Enclosure: NEMA/EEMAC Type 12 (Mounting bracket kit included to meet UL/CSA external mounting requirements)
- Dimensions: 9.84" x 7.87" x 5.91"
(250 H x 200 W x 150 D)
- Mounting: 10.32" x 5.31" - 1/4" -20
(292 H x 135 W - M6)

PERFORMANCE:

- Length Values: 0.01-999.9", or 0.5 mm-9.999m
- Accuracy and Repeatability \pm 0.5ms
- Maximum Line Speed: (See chart below)
- Length Resolution:
 - .01" @ 450 fpm (0.5mm @ 270 mpm)
 - .02" @ 900 fpm (1.0mm @ 540 mpm)
 - .05" @ 1500 fpm (2.0mm @ 810 mpm)
 - .10" @ 3000 fpm (3.0mm @ 1080 mpm)
- Head compensation values: 0-99 ms
- Low speed cut-off: 5-99 fpm or 2-99 mpm

ELECTRICAL:

- Input Power: 100-120 vac, 50/60 hz 25 watts nominal (200-240 vac input capable)
- Trigger Input: (2) 5-24 Vdc, 4-25 mA (Mechanical contact switching not recommended)
- Output: (2) 5-60 Vdc 3 Amp, or 60-240 Vac 3 Amp
- DC Power Supply: 18 Vdc, 250 mA max. (additional 1.8 amp, 24 vdc power supply optional, Internal 18 Vdc 250 mA power supply available for photo eye power.)
- Line Speed Input: linear 10-300 Vdc @ max. line speed
- Optional UI-1 for encoder input see UI-1 data sheet for encoder specs

ORDERING SPECIFICATIONS:

- AC or DC Output
- With or without keyed lock (additional)
- Optional auxiliary power supply, 1.8 Amp, 24 Vdc (additional)
- For NEMA 4 rating specify solid door
- UI - 1 (Additional)

WARRANTY: 1 year limited

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