

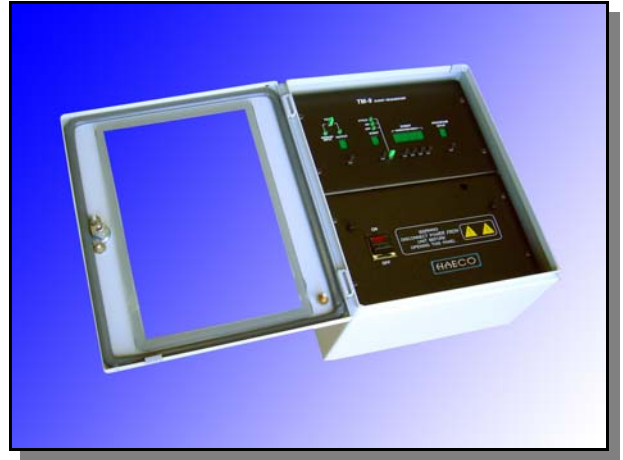
# TM-9

## Time Based Event Controller



### FEATURES:

- ◆ Direct toggle switch adjustments
- ◆ Digital read-out and L.E.D. indicators
- ◆ Universal power input 90-269 vac
- ◆ State-of-the-art electronics
- ◆ Removable terminal strips
- ◆ AC/DC output modules available
- ◆ Stitch capable



The **HAECO TM-9 Timer** is a dual input quad output timer. This means that each input of the timer initiates 2 independent outputs producing a total of 2 inputs and 4 outputs. In actuality, the TM-9 has 4 independent timers initiated by two independent signals. All 4 of the TM-9's outputs can produce a 9 event pattern with each event consisting of an on (glue), off (gap), or cycle (stitch event).

Convenient pattern tests and output tests can be performed with the use of the toggle switches, as well as program lock for security. Adjustments can be performed on-the-fly with 1 ms accuracy resulting in precise glue placement. To add to the versatility of the timer, 9 programs can be stored for quick 1 toggle set-up reference.

### SPECIFICATIONS:

#### PHYSICAL:

- Enclosure: NEMA/EEMAC Type 12 (Mounting bracket kit included to meet UL/CSA external mounting requirements)
- Dimensions: 11.81"H x 9.84"W x 5.91"D  
(300 x 250 x 150)
- Mounting: 13.43"H x 7.28"W - 1/4 -20  
(341 x 185) - M6

#### PERFORMANCE:

- Time Values: .001-9.999 seconds @ 1 ms. resolution
- Repeatability and Accuracy:  $\pm 0.5$  ms.
- Channel to Channel Timing Accuracy:  $\pm 0.1$  ms.
- Input Configuration: Single shot "or" duration
- Operating Temperature: 32-140°F (0-60°C)

**WARRANTY:** 1 year limited

#### ELECTRICAL:

- 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 5 Amp
- DC Power Supply: + 5 Vdc 1 Amp max  
+ 12 Vdc 300 mA max  
+ 24 Vdc 250 mA max
- Power Requirements: 0.5 Amps @ 90 to 260 Vac, 50/60 Hz

#### 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.

[www.haeco.us](http://www.haeco.us)

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