



# MTA

## Multi-Function Time Relay

- Plug-In Convenience
- 10 Timing Modes
- Ranges—0.1 sec to 10 Days

### Functions

A powerful timer in a small package, the new ATC model MTA-91H Multi-function Time Delay Relay delivers unsurpassed performance in a plug-in package. Select from 10 configurable timing modes and a timing range from 0.1 sec to 10 days to meet your specific needs. Universally powered from 12-240 VAC/VDC, the MTA-91H allows users to stock one timer for many timing applications.



| SPECIFICATIONS           |                                |
|--------------------------|--------------------------------|
| Number of Functions      | 10                             |
| Supply Voltage           | AC/DC 12–240 V                 |
| Consumption              | AC 0.7 – 3 VA / DC 0.5 – 1.7 W |
| Supply Voltage Tolerance | -15% to +10%                   |
| Supply Indication        | Green LED                      |
| Time Ranges              | 0.1 sec to 10 Days             |
| OUTPUT                   |                                |
| Contacts                 | 1 @ 16A SPDT                   |
| Breaking Capacity        | 4000 VA / AC, 384 W / DC       |
| Inrush Current           | 30 A / <3 sec                  |
| Min. Breaking Capacity   | 500 mW                         |
| Output Indication        | Red LED                        |
| Mechanical Life          | 3x10 <sup>7</sup>              |
| Impulse Length           | Min. 25 mS / max. unlimited    |
| Reset Time               | Max. 150 mS                    |

| OTHER INFORMATION          |   |
|----------------------------|---|
| Operating Temperature      | -20 to +55°C (-4 to +131°F)                         |
| Storage Temperature        | -30 to +70°C (-22 to +158°F)                        |
| Electrical Strength        | 4kV   |
| Operating Position         | any   |
| Mounting                   | 11-Pin Plug-in                                      |
| Protection Degree          | IP 40   |
| Max. Connection Cable Size | Max. 2.5mm <sup>2</sup> / Cavern 1.5mm <sup>2</sup> |
| Dimensions (mm)            | 1.97" x 1.50" x 2.09"<br>(50 x 38 x 53mm)           |
| Weight                     | 57 g (2 oz.)  |
| Standards                  | EN 61812-1, EN 61010-1                              |
| ORDERING INFORMATION       |   |
| MTA Timer                  | MTA-91H   |
| 11-Pin DIN-Rail Socket     | PF113A  |

## Functions

On-Delay



Off-Delay



Repeat Cycle with On-Delay



Repeat Cycle



Off-Delay 2 after de-energization



Off-Delay responding to make of control contact regardless its length



Off-Delay after break of control contact with instant output



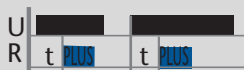
Off-Delay after make and break of control contact



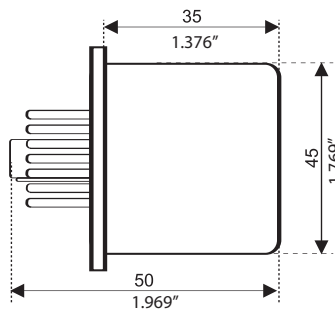
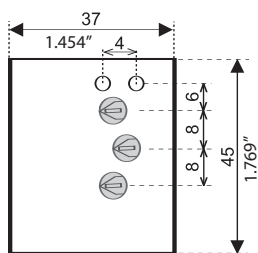
Latching relay



Pulse generator (PULSE=0.5s)



## Dimensions (mm)

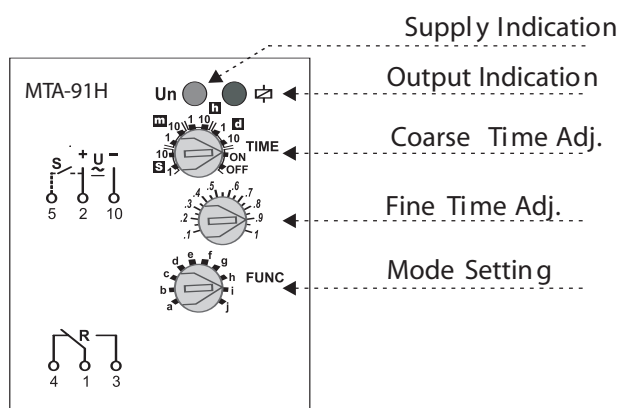


## Socket



PF113A  
10A Rating

## Operation



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