### **Fuji Miniature DIN Super Timers**



#### **Overview**

The ST7P is a compact and highly accurate timer. It is an on-delay operation type with a single timing range. These timers are designed to optimize mounting space in small areas. Mounting is by DIN rail or by securing directly to a panel with a fastener.

#### **Features**

- Highly accurate, with a repeat accuracy within ±1% at maximum setting time
- ST7P models offer a number of timing ranges. Please see Selection Guide below
- · Large dial makes time setting easy
- LED indicators make it easy to monitor timer operation
- ST7P series meets UL and CSA standards

Fuji Miniature DIN Super Timers Selection Chart					
Part Number	Price	Description	Voltage	Time Range	
ST7P-2A15S-ADC	\$51.00	Mini-DIN on-delay timer with timing range of 0.4s to 5s. Input power is 100-120 VAC. DPDT relay output. UL, CSA, TÜV approved	100-120VAC	0.4 seconds to 5 seconds	
ST7P-2A13T-ADC	\$51.00	Mini-DIN on-delay timer with timing range of 2s to 30s. Input power is 100-120 VAC. DPDT relay output. UL, CSA, TÜV approved		2 seconds to 30 seconds	
ST7P-2A16T-ADC	\$51.00	Mini-DIN on-delay timer with timing range of 4s to 60s. Input power is 100-120 VAC. DPDT relay output. UL, CSA, TÜV approved		4 seconds to 60 seconds	
ST7P-2A11N-ADC	\$51.00	Mini-DIN on-delay timer with timing range of 1 min. to 10 min. Input power is 100-120 VAC. DPDT relay output. UL, CSA, TÜV approved		1 minute to 10 minutes	
ST7P-2A16N-ADC	\$51.00	Mini-DIN on-delay timer with timing range of 4 min. to 60 min. Input power is 100-120 VAC. DPDT relay output. UL, CSA, TÜV approved		4 minutes to 60 minutes	
ST7P-2DE5S-ADC	\$51.00	Mini-DIN on-delay timer with timing range of 0.4s to 5s. Input power is 24 VDC. DPDT relay output. UL, CSA, TÜV approved		0.4 seconds to 5 seconds	
ST7P-2DE3T-ADC	\$51.00	Mini-DIN on-delay timer with timing range of 2s to 30s. Input power is 24 VDC. DPDT relay output. UL, CSA, TÜV approved		2 seconds to 30 seconds	
ST7P-2DE6T-ADC	\$51.00	Mini-DIN on-delay timer with timing range of 4s to 60s. Input power is 24 VDC. DPDT relay output. UL, CSA, TÜV approved	24VDC	4 seconds to 60 seconds	
ST7P-2DE1N-ADC	\$49.00	Mini-DIN on-delay timer with timing range of 1 min. to 10 min. Input power is 24 VDC. DPDT relay output. UL, CSA, TÜV approved		1 minute to 10 minutes	
ST7P-2DE6N-ADC	\$49.00	Mini-DIN on-delay timer with timing range of 4 min. to 60 min. Input power is 24 VDC. DPDT relay output. UL, CSA, TÜV approved		4 minutes to 60 minutes	
<u>TP88X2</u>	\$9.25	DIN rail/surface mount socket for ST7P series timers. UL, CSA, TÜV approved	N/A	N/A	

#### **Dimensions**

mm [inches]

# Timer and Socket Assembly Control Output Indicator Indicator Setting DIAL 4.2 [0.16]

## Fuji Miniature DIN Super Timer Specifications

Fuji Miniature DIN Super Timers Specifications					
Repeat Accuracy	±01% at maximum setting time				
Reset Time	0.1 second or less				
Maximum Operating Cycle	1800 cycles/hour				
Operating Voltage Range	85-132 VAC 50/60 Hz  ST7P-2A15S-ADC ST7P-2A13T-ADC ST7P-2A16T-ADC ST7P-2A11N-ADC ST7P-2A16N-ADC	20.4-26.4 VDC  ST7P-2DE5S-ADC  ST7P-2DE3T-ADC  ST7P-2DE6T-ADC  ST7P-2DE1N-ADC  ST7P-2DE6N-ADC			
Operating Temperature Range	-10 to +50°C [14 to 122°F]				
Humidity	35 to 85% (no condensation)				
Contact Ratings	3A @ 240 VAC resistive load, 1 A @120 VAC inductive load; 3A @ 30 VDC resistive load, 0.5 A @ 30 VDC inductive load				
Power Consumption	Approx. 1.2 VA at 100 VAC, approx. 1.5 VA at 200 VAC, 1.1 W at 24 VDC.				
Insulation Resistance	100MΩ at 500 VDC insulation tested				
Surge Voltage *	3000 Volts				
Dielectric Strength	2000 VAC 1 min. between current carrying part and non-current carrying part 2000 VAC 1 min. between output contact and control circuit 1000 VAC 1 min. between open contacts				
Vibration	Malfunction durability: 10 to 55Hz, 0.5mm double amplitude Mechanical durability: 10 to 55Hz, 0.7mm double amplitude				
Shock	Malfunction durability: 50m/s <sup>2</sup> Mechanical durability: 1000m/s <sup>2</sup>				
Life Expectancy	Mechanical: 50 million operations (No load; operation cycle 1800/hr.) Electrical: 500,000 operations (3A @ 220 VAC, resistive load; operation cycle 1800/hr.)				
Weight	36.288 g [1.28 oz]				
Agency Approvals and Standards **	UL file no.: Body - E44592, Socket - E90265; TÜV license no: R9551799				

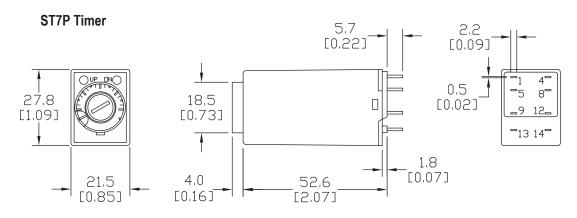
<sup>\*</sup> Note: If surge voltage exceeds 3000V, use surge suppressors.

\*\* To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

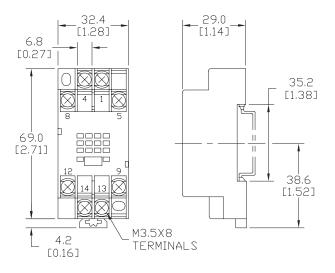
## Fuji Miniature DIN Timers, Dimensions, Timing and Wiring

#### **Dimensions**

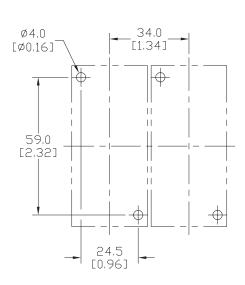
mm [inches]



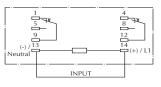
#### TP88X2 Socket



#### **Panel Mounting**



#### Wiring Diagram



#### Sockets/Screw Terminal and Rail Mounting



#### Timing Diagram

