



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

- These super timers are highly accurate, with a repeat accuracy within $\pm 1\%$ at maximum setting time.
- ST7P models offer a number of timing ranges. Please see Selection Guide below.
- The large dial makes time setting easy.
- The LED indicators make it easy to monitor timer operation.
- The ST7P series meets UL and CSA standards.



ST7P Miniature Super Timer with TP88X2 Socket

Product Selection Guide

Part Number	Description	Voltage	Time Range	
ST7P-2A15S-ADC	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	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	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	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	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	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	24VDC	0.4 seconds to 5 seconds	
ST7P-2DE3T-ADC	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	Mini-DIN on-delay timer with timing range of 4s to 60s. Input power is .24 VDC DPDT relay output. UL, CSA, TÜV approved		4 seconds to 60 seconds	
ST7P-2DE1N-ADC	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	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	
TP88X2	Socket for ST7P series timers. UL, CSA, TÜV approved	N/A	N/A	

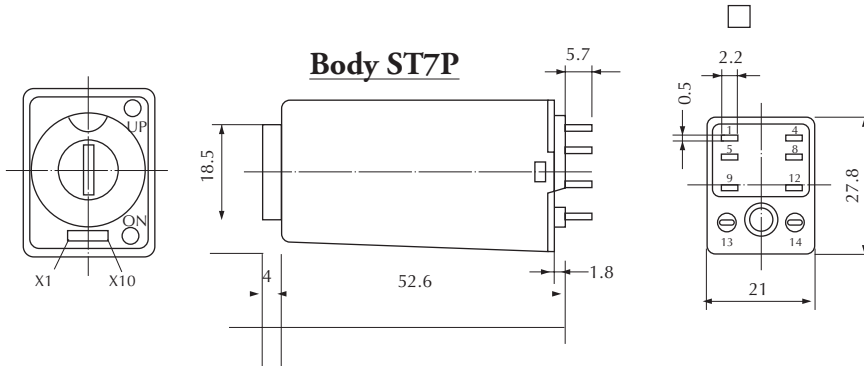
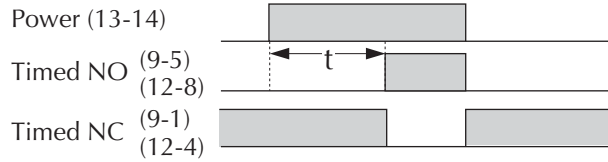
FUJI MINIATURE DIN SUPER TIMER SPECIFICATIONS

Specifications		
Approvals	UL file no.: Body - E44592, Socket - E90265; CSA file no.: LR20479; TUV license no: R9551799	
Repeat Accuracy	±01% at maximum setting time	
Reset Time	0.1 second or less	
Maximum Operating Cycle	1800 cycles/hour	
Operating Voltage Range	85-132VAC ST7P-2A15S-ADC ST7P-2A13T-ADC ST7P-2A16T-ADC ST7P-2A11N-ADC ST7P-2A16N-ADC	20.4-26.4VDC 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 @ 240VAC resistive load, 1A @ 120VAC inductive load; 3A @ 30VDC resistive load, 0.5A @ 30VDC inductive load	
Power Consumption	Approx. 1.2VA at 100VAC, approx. 1.5VA at 200VAC, 1.1W at 24VDC.	
Insulation Resistance	100MΩ at 500VDC insulation tested	
Surge Voltage*	3000 Volts	
Dielectric Strength	2000VAC 1 min. between current carrying part and non-current carrying part 2000VAC 1 min. between output contact and control circuit 1000VAC 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 ² Mechanical durability: 1000m/s ²	
Life Expectancy	Mechanical: 50 million operations Electrical: 500,000 operations	
Weight	36.288g (1.28 oz.)	

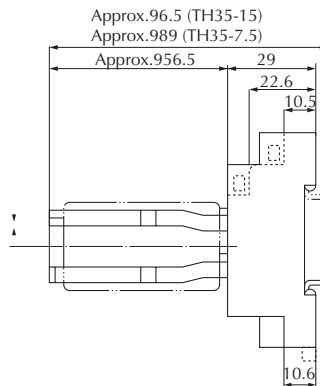
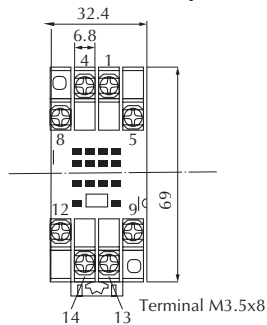


FUJI MINIATURE DIN TIMERS TIMING AND WIRING

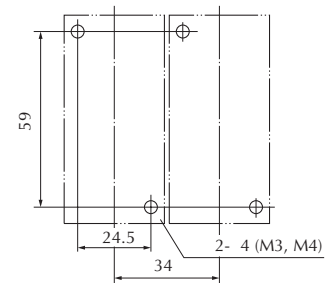
Timing diagram



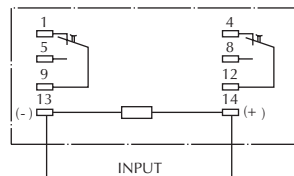
Body TP88X2



Panel drilling



Wiring diagram



All dimensions in mm

Sockets/screw terminal and rail mounting

TP88X2

