

8-pin Plug Digital Timers With Thumb wheel Switch



FSE Series CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.

The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

Features

- Wide range of the time selection (0.01 sec to 9999.9 hour)
- Selectable voltage input (PNP) method or no-voltage input (NPN) method
- Dot for Decimal Point / Hour. Min. Sec. by RESET key
- Wide range of power supply
: 100 - 240 VAC ~ 50 / 60 Hz, 24 VAC ~ 50 / 60 Hz, 24 - 48 VDC = universal
- Memory protection for 10 years (using non-volatile semiconductor)
- Built-in Microprocessor

Ordering Information

This is only for reference, the actual product does not support all combinations. For selecting the specified model, follow the Autonics website.

FS ① **E** - ② ③

① Display digits

4: 4-digit
5: 5-digit

③ Power supply

2: 24 VAC ~ 50 / 60 Hz, 24 - 48 VDC =
4: 100 - 240 VAC ~ 50 / 60 Hz

② Output

1P: 1-stage setting (4-digit)
I: Indicator (5-digit)

Product Components

- Product (+ bracket)
- Instruction manual

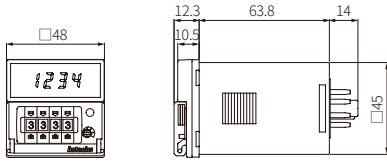
Specifications

Model	FS4E-1P2	FS5E-1P4	FS5E-I4
Display digits	4-digit		5-digit
Character size	W 3.8 × H 7.6 mm		W 4 × H 8 mm
Return time	≤ 500 ms		
Time operation	Power ON Start		
Min. signal width	RESET, INHIBIT: ≈ 20 ms		
Input logic	Voltage input (PNP) - input impedance: ≤ 10.8 kΩ, [H]: 5 - 30 VDC =, [L]: 0 - 2 VDC = No-voltage input (NPN) - short-circuit impedance: ≤ 470 Ω, - short-circuit residual voltage: ≤ 1 VDC = - open-circuit impedance: ≥ 100 kΩ		
One-shot output time	0.05 to 5 sec		
Control output	Relay		-
Contact type	Time limit SPDT (1c)		-
Contact capacity	250 VAC ~ 3 A, 30 VDC = 3 A resistive load		-
Error	Repeat / SET / Voltage / Temp.: ≤ ± 0.01% ± 0.05 sec		
Unit weight (packaged)	≈ 90 g (≈ 130 g)		≈ 80 g (≈ 120 g)
Approval	CE, RoHS, ENEC		

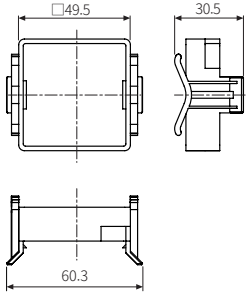
	AC voltage type	AC / DC voltage type
Power supply	100 - 240 VAC ~ ± 10% 50 / 60 Hz	24 VAC ~ ± 10% 50 / 60 Hz, 24 - 48 VDC = ± 10%
Power consumption (FS5E-1P4)	≤ 4.6 VA	-
Power consumption (FS5E-I4)	≤ 3.8 VA	-
Power consumption (FS4E-1P2)	-	AC: ≤ 3.5 VA DC: ≤ 2.3 W
Memory retention	≈ 10 years (non-volatile semiconductor memory type)	
Insulation resistance	≥ 100 MΩ (500 VDC = megger)	
Dielectric strength	2,000 VAC ~ 50 / 60 Hz for 1 min (between all terminals and case)	
Noise immunity	± 2 kV square-wave noise by noise simulator (pulse width 1 μs)	± 500 V square-wave noise by noise simulator (pulse width 1 μs)
Vibration	0.75 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 1 hour	
Vibration (malfunction)	0.5 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 min	
Shock	300 m/s ² (≈ 30 G) in each X, Y, Z direction for 3 times	
Shock (malfunction)	100 m/s ² (≈ 10 G) in each X, Y, Z direction for 3 times	
Relay life cycle	Mechanical: ≥ 5,000,000 operations Electrical: ≥ 100,000 operations (250 VAC ~ 3 A resistive load)	
Ambient temperature	-10 to 55 °C, storage: -25 to 65 °C (no freezing or condensation)	
Ambient humidity	35 to 85%RH, storage: 35 to 85%RH (no freezing or condensation)	
Protection rating	IP20 (front part, IEC standard)	

Dimensions

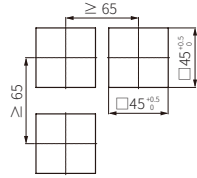
- Unit: mm, For the detailed drawings, follow the Autonics website.



Bracket



Panel cut-out



Sold Separately

- 8-pin socket: PG-08, PS-08(N)