




GF series

UPGRADE

Specifications

Model		GF7A	GF4A	GF4A-□□□S
Appearance				
W×H×D(mm)		72.0×72.0×75.0	48.0×48.0×79.8	48.0×48.0×63.3
Power supply voltage		100 - 240 V a.c. 50/60 Hz (Voltage fluctuation rate : ± 10 %)		
Power Consumption		P62 (7.6 VA), P61 (6.6 VA) T6 (5.6 VA) P42 (7.3 VA), P41 (6.6 VA)	P41 (6.4 VA) T4 (5.6 VA)	P41S (5.9 VA) T4S (5.4 VA)
Display method		White 7 segment LED		
Character size		P62/P61/T6 (11.5 X 5.2 mm) P42/P41 (13.6 X 7.8 mm)	8.5 X 5.0 mm	
Counting speed		1 / 30 / 1k / 5k cps		
Blackout compensation		10 Years (nonvolatile memory used)		
Return time		500 ms or less		
Timer operation error		Power start : ± 0.01 % ± 0.05 seconds or less (ratio to setting value)		
Input		<ul style="list-style-type: none"> Input method selection by external switch (voltage input / no - voltage input) Counter (composed of CP1, CP2, RESET), timer (composed of INHIBIT, RESET) Voltage input : HIGH level (5 V - 30 V d.c.), LOW level (0 V - 2 V d.c.), input resistance (about 4.7 kΩ) No - voltage input : Impedance in case of short circuit (1 kΩ or less), residual voltage in case of short - circuit (2 V d.c. or less) 		
Min. input signal time		20 ms or more (RESET, INHIBIT input)		
One-shot output time	1st stage	0.5 seconds fixed	-	
	2st stage	0.05 to 5.8 seconds		
External power supply		12 V d.c. 100 mA max.		
Control output	Contact	1st stage	OUT (SPDT, 1c)	
		2st stage	OUT1 (SPDT, 1c), OUT2 (SPDT, 1c)	
		Capacity	SPDT : NC (250 V a.c. 2 A, 250 V a.c. 5 A), NO (250 V a.c. 5 A), Resistance load	
	Non-contact	1st stage	OUT (NPN Open collector)	
		2st stage	OUT1, OUT2 (NPN 2 open collector circuits)	
		Capacity	30 V d.c. 100 mA max.	
Relay life		Electrical (more than 50,000 times), Mechanical (more than 10 million times)		
Insulation Resistance		100 MΩ or more (based on 500 V d.c. mega)		
Dielectric strength		2,000 V a.c. 60 Hz 1 minute (between the conductive part terminal and the case)		
Noise resistance		Square wave noise by noise simulator ±2,000 V (Pulse width 1 μs)		
Vibration		Durability : 10 · 55 Hz (1 minute cycle), Double amplitude 0.75 mm, X · Y · Z 2 hours each direction Malfunction : 10 · 55 Hz (1 minute cycle), Double amplitude 0.5 mm, X · Y · Z 10 minutes each direction		
Ambient temperature and humidity		-10 ~ 55 °C, 35 ~ 85 % R.H.		
Storage temperature		-20 ~ 65 °C		
Weight (g)		T6 : 150 g P41 : 184 g P42 : 190 g P61 : 180 g P62 : 198 g	T4 : 100 g P41 : 108 g	T4S : 84 g P41S : 92 g

New product
Count/Timer

Small LCD
counter

Digital
Counter/
Timer

New product
Timer

Small LCD
Timer

Digital
Twin Timer

Digital
Timer

Weekly/
yearly
Time switch

Timing
Relay

Analog
ON-Delay
Timer

Analog
Twin/Dual
Timer

Analog
Multi
Timer

Star-delta
Timer

Suffix code

Model	Code	Description
GF	□- □ □ □ □	Digital counter/timer
Appearance	4A	48(W) X 48(H) mm
	7A	72(W) X 72(H) mm
Model	P	Preset counter/timer
	T	Total counter/timer
Display digits	6	6 Digit-display (999999) ※ GF7A model only
	4	4 Digit-display (9999)
Control output	2	2 - Stage output ※ GF7A model only
	1	1 - Stage output
	-	No output (Display only)
Terminal structure	S	8 Pin plug ※ GF4A model only
	-	Terminal