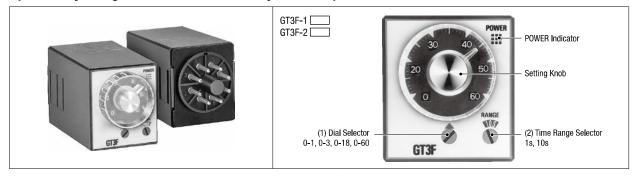
GT3F-1/GT3F-2 (8-Pin)

Specifically designed for Power OFF Delay. Reset Inputs are available.



(1) Operation Mode	Rated Voltage Code	Time Ranges	Output	Contact	Input	Part No.
	100 to 240V AC		250V AC/24V DC, 5A	Delayed SPDT	Reset	GT3F-1AF20
Power OFF Delay	24V AC/24V DC	0.1 sec to 600 sec		Delayeu SPD1		GT3F-1AD24
	100 to 240V AC	0.1 Sec to 600 Sec	250V AC/24V DC, 3A	Delayed DPDT Without	Without	GT3F-2AF20
	24V AC/24V DC				Without	GT3F-2AD24

Time Ranges

GT3F-1/GT3F-2

(3) Dial (2) Range	0 - 1	0 - 3	0 - 18	0 - 60
18	0.1 sec to 1	0.1 sec to 3	0.2 sec to 18	0.6 sec to
	sec	sec	sec	60 sec
108	0.1 sec to 10	0.3 sec to 30	1.8 sec to 180	6 sec to
	sec	sec	sec	600 sec

Timeout Repeat Cycle	3 sec minimum
Reset Input Repeat Cycle	3 sec minimum

Contact Ratings

	9-			
Model		GT3F-1	GT3F-2	
Rated Load		250V AC/24V DC, 5A (resistive load)	250V AC/24V DC, 3A (resistive load)	
Minimum Switching Power		AC: 1250VA DC: 150W	AC: 750VA DC: 90W	
Minimum Switching Voltage		250V AC/125V DC		
Minimum Switching Current		5A	3A	
Maximum Switching Frequency		1800 operations/hour		
Minimum Applicable Load		5V DC, 10 mA	5V DC, 100 mA	
External Protection Element		Fuse 250V, 5A	Fuse 250V, 3A	
Life	Electrical	100,000 operations minimum (rated load)		
	Mechanical	3,000,000 operations minimum		

Input Specifications

Reset Input	The contact is reset by turning the reset input on (L level). No-voltage contact input and NPN open collector transistor input are applicable. 6V DC, 0.6 mA maximum Input Response Time (AC): ON: 50 ms maximum OFF: 1 sec maximum
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General Specifications

Operation System		Solid-state CMOS circuitry			
Operation		Power OFF delay			
Time Range		0.1 sec to 600 hours			
Pollution Degree		2 (IEC60664-1)			
Overvoltage Category		III (IEC60664-1)			
Datad Valtaga	AF20	100 to 240V AC (50/60Hz)			
Rated Voltage	AD24	24V AC (50/60Hz)/24V DC			
Valtage Dange	AF20	85 to 264V AC (50/60Hz)			
Voltage Range	AD24	20.4 to 26.4V AC (50/60Hz)/21.6 to 26.4V			
Time Delay Operation : Voltage	Time Delay Operation Start Voltage		Rated Voltage × 10% minimum		
Minimum Power Applic	cation		0.4 sec (time range: 180 sec or less)		
Time (Note 1)		1 sec (time range: 600			
Operating Temperature)	-10 to +50°C (no free:			
Storage Temperature		-30 to +70°C (no free:			
Operating Humidity		35 to 85% RH (no cond			
Storage Humidity		35 to 85% RH (no cond			
Altitude		0 to 2000m (operation) 0 to 3000m (transportation)			
Repeat Error		±0.2%, ±10 ms (Note 2)			
Voltage Error		±0.2%, ±10 ms (Note 2)			
Temperature Error		±0.2%, ±10 ms (Note 2)			
Setting Error		±10%			
Insulation Resistance		100 MΩ min. (500V DC megger)			
Dielectric Strength		Between power and output terminals: 2000V AC, 1 minute Between contacts of different poles: 2000V AC, 1 minute Between contacts of the same pole: 1000V AC, 1 minute			
Vibration Resistance		Damage limits/operating extremes: 10 to 55Hz, amplitude 0.75 mm, 2 hours each in 3 directions			
Shock Resistance		Operating extremes: 98 m/s², Damage limits: 490 m/s², 3 shocks each in 6 directions			
Degree of Protection		IP40 (timer), IP20 (socket) (IEC60529)			
Power Consumption	AF20	1.1 VA (100V AC/60Hz), 2.3 VA (200V AC/60Hz)			
(approx.)	AD24	0.7 VA (AC)/0.2W (DC)			
Dimensions	Dimensions		40H × 36W × 72.2D mm		
Weight (approx.)		GT3F-1	GT3F-2		
		77g	79g		
Note 1. An incush current flows during minimum nower application time					

Note 1: An inrush current flows during minimum power application time. AF20: Approx. 0.4A, AD24: Approx. 1.2A

Note 2: The largest value becomes the error against a preset value depending on the time range.

Operation Chart

Contact	Internal Connection	Operation Chart	
GT3F-1 Delayed SPDT Output with Reset Input	6 5 7 (~)/(+) 4 Reset 0 1 2 (~)/(-)	Item Terminal No. Operation	
GT3F-2 Delayed DPDT Output	3 4 6 5 7 (~)/(+) 1 8 2 (~)/(~)	Item Terminal No. Operation Power 2-7 Delayed Contact 5-8, 4-1 (NC) 6-8, 3-1 (NO) Indicator POWER T = Set time Tr = Minimum power application time • 0.4 sec (time range: 180 sec or less) • 1 sec (time range: 600 sec or less) • When power turns on, the NO output contact goes on. When a preset time has elapsed after the power has been turned off, the NO output contact goes off.	