

**GT5P Series – ON Delay Timers**

**Key features of the GT5P series include:**

- SPDT, 5A contacts
- 8-pin, octal base
- 9 time ranges
- Repeat error ±0.2% maximum
- Control settings by hand or screwdriver
- Power ON and timing out LED indicators
- Uses the same sockets and hold down clips as IDEC's RR2P 8-pin relays



UL Recognized  
File No. E55996



CSA Certified  
File No. LR66809



**Specifications**

<b>Rated Operating Voltage</b>	100 to 120V AC (50/60Hz) 200 to 240V AC (50/60Hz) 24V AC/DC 12V DC
<b>Voltage Tolerance</b>	AC type: ±15% DC type: ±10% (ripple 10% maximum)
<b>Contact Rating</b>	<b>Resistive load</b> 120V AC/24V DC, 5A 240V AC, 3A
	<b>Inductive load</b> 240V AC, 0.8A 120V AC, 1.4A 24V DC, 1.7A
<b>Allowable Contact Power (resistive load)</b>	960VA AC 120W DC
<b>Contact Form</b>	SPDT
<b>Voltage</b>	250V AC, 150V DC
<b>Repeat Error</b>	±0.2% ±10msec
<b>Voltage Error</b>	±0.5% ±10msec
<b>Temperature Error</b>	±3% maximum (over -10 to 50°C, reference temperature 20°C)
<b>Setting Error</b>	±10% maximum
<b>Reset Time</b>	When turning power off after time up: 0.1 sec maximum When turning power off before time up: 1 sec maximum
<b>Insulation Resistance</b>	100MΩ minimum
<b>Dielectric Strength</b>	2000V AC, 1 minute (except between contacts of the same pole)
<b>Vibration Resistance</b>	100N (approximate 10G)
<b>Shock Resistance</b>	Operating extremes: 100N (approximate 10G) Damage limits: 500N (approximate 50G)
<b>Power Consumption</b>	100V AC type: 1.5VA (at 50Hz) 200V AC type: 1.6VA (at 50Hz) 24V DC type: 0.9W
<b>Electrical Life</b>	100,000 operations minimum (at rated load)
<b>Mechanical Life</b>	20,000,000 operations minimum
<b>Operating Temperature</b>	-10 to +50°C
<b>Operating Humidity</b>	45 to 85% RH

1. Inductive load (reference), cos φ = 0.3 to 0.4 or L/R = 15msec.  
2. Minimum applicable load: 5VDC/10mA (reference).

Switches & Pilot Lights

Display Lights

Relays & Sockets

Timers

Terminal Blocks

Circuit Breakers

Part Numbering List

Mode of Operation	Contact	Output	Rated Voltage	Time Range	Complete Part No.
ON-Delay	SPDT	24V DC/120V AC, 5A 240V AC, 3A	100 to 120V AC	1S	—
				3S	GT5P-N3SA100
				6S	—
				10S	GT5P-N10SA100
				30S	GT5P-N30SA100
				60S	GT5P-N60SA100
				3M	GT5P-N3MA100
				6M	GT5P-N6MA100
				10M	GT5P-N10MA100
			200 to 240V AC	1S	GT5P-N1SA200
				3S	—
				6S	GT5P-N6SA200
				10S	GT5P-N10SA200
				30S	GT5P-N30SA200
				60S	GT5P-N60SA200
				3M	GT5P-N3MA200
				6M	GT5P-N6MA200
				10M	GT5P-N10MA200
			24V AC/DC	1S	GT5P-N1SAD24
				3S	—
				6S	GT5P-N6SAD24
				10S	GT5P-N10SAD24
				30S	—
				60S	GT5P-N60SAD24
				3M	—
				6M	GT5P-N6MAD24
				10M	GT5P-N10MAD24
			12V DC	1S	—
				3S	—
				6S	—
				10S	GT5P-N10SD12
				30S	GT5P-N30SD12
				60S	GT5P-N60SD12
				3M	—
				6M	—
				10M	GT5P-N10MD12



For sockets and accessories, see page 851.

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Timing Diagram/Schematic/Electrical Life Curves

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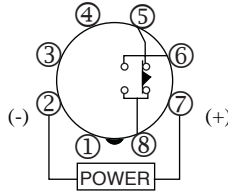
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SPDT

Operation Mode



Do not apply voltage to terminals 1, 3, and 4.

ON-Delay

Item	Terminal Number	Operation
Set Time		← Operation →
Power	2 - 7 (8p)	[Bar chart showing power pulse]
Delayed Contact	5 - 8 (8p) (NC)	[Bar chart showing delayed pulse]
	6 - 8 (8p) (NO)	[Bar chart showing delayed pulse]
Indicator	POWER	[Bar chart showing power pulse]
	OUT	[Bar chart showing output pulse]

Electrical Life Curves

