GT5P Series — ON Delay Timers

Key features:

- 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









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



^{1.} Inductive load (reference), cos ø =0.3 to 0.4 or L/R=15msec.



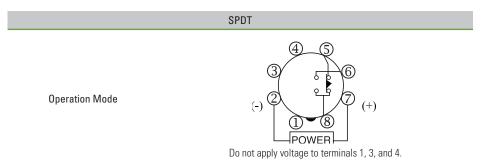
Minimum applicable load: 5VDC/10mA (reference).

Part Numbering List

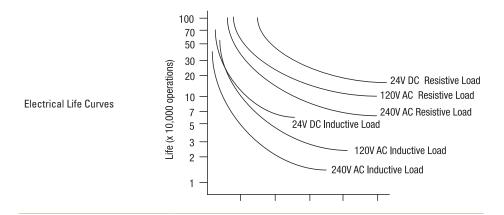
Mode of Operation	Contact	Output	Rated Voltage	Time Range	Complete Part No.
				1S	_
				3S	GT5P-N3SA100
				6S	_
				10S	GT5P-N10SA100
			100 to 120V AC	30S	GT5P-N30SA100
			1201710	60S	GT5P-N60SA100
				3M	GT5P-N3MA100
				6M	GT5P-N6MA100
				10M	GT5P-N10MA100
				1S	GT5P-N1SA200
				3S	_
				6S	GT5P-N6SA200
				10S	GT5P-N10SA200
			200 to 240V AC	30S	GT5P-N30SA200
			240 7 7 10	60S	GT5P-N60SA200
		24V DC/120V AC, 5A 240V AC, 3A 1 3 6		3M	GT5P-N3MA200
				6M	GT5P-N6MA200
ON Delevi	CDDT			10M	GT5P-N10MA200
ON-Delay	SPDT			1S	GT5P-N1SAD24
			3S	_	
				6S	GT5P-N6SAD24
				10S	GT5P-N10SAD24
			24V AC/DC	30S	_
				60S	GT5P-N60SAD24
				3M	_
				6M	GT5P-N6MAD24
				10M	GT5P-N10MAD24
				1S	_
				3S	_
				6S	_
				10S	GT5P-N10SD12
			12V DC	30S	GT5P-N30SD12
				60S	GT5P-N60SD12
				3M	_
				6M	_
				10M	GT5P-N10MD12
For sockets and acc	essories, see page 941.				



Timing Diagram/Schematic/Electrical Life Curves



	Item	Terminal I	lumber	Operation	
ON-Delay	Set Time			←	
	Power	2 - 7 (8p)			
	Delayed	5 - 8 (8p)	(NC)		
	Contact	6 - 8 (8p)	(NO)		
	Indicator	POWER			
	indicator	Indicator OUT			



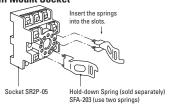
Accessories

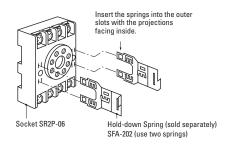
Timers

Mounting

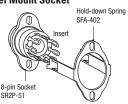
	N	Nounting Accessories and Sockets			Applicable Hold-Down Spring	js
	Style	Appearance	Use with Timers	Part No.	Appearance	Part No.
DIN Rail/ Surface Mounting Accessories –	8-Pin Screw Terminal (dual tier)	The last of the la	GT5P	SR2P-05		SFA-203
	8-Pin Fingersafe Socket		GT5P	SR2P-05C		SFA-2U3
	8-Pin Screw Terminal		GT5P	SR2P-06	Cara Cara	SFA-202
	DIN Mounting Rail Length 1000mm		_	BNDN1000		
		Part Numbers: Mounting Accessories a	ind Sockets		Applicable Hold-Down Spring	js
Mounting Accessories	8-Pin Solder Terminal			SR2P-51		SFA-402

Installation of Hold-Down Springs DIN Rail Mount Socket





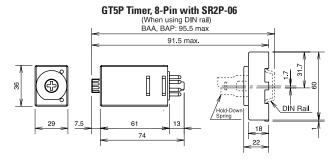
Panel Mount Socket





Dimensions

GT5P Timer, 8-Pin with SR2P-05 (When using DIN rail) BAA, BAP: 102 max. (Note 2) 98 max. (Note 1) DIN Rail (BAA, BAP, BADA) 74



GT5Y Series — ON Delay Timers

Key features:

- 4PDT, 3A or DPDT, 5A contacts
- 4 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 RY4S and RU series relays







Specifications

Specifications		GT5Y-2	GT5Y-4		
Rated Operating Voltage		100 to 120V AC (50/60Hz) 200 to 240V AC (50/60Hz) 24V DC 24V AC 12V DC			
Contact Form		DPDT	4PDT		
Rated Load	Resistive Load	220V AC, 5A 30V DC, 5A	220V AC, 3A 30V DC, 3A		
nateu Loau	Inductive Load	220V AC, 2A 30V DC, 2.5A	220V AC, 0.8A 30V DC, 1.5A		
	Resistive Load	1100VA AC 150W DC	660VA AC 90W DC		
Allowable Contact Power	Inductive Load Cos ø = 0.3 L/R = 7msec	440VA AC 75W DC	176VA AC 45W DC		
Allowable Voltage		250V AC, 125V DC			
Allowable Current		5A	3A		
Temperature Error		±3% maximum (over -10 to 50°C, reference temperature 20°C)			
Setting Error		±10% maximum			
Reset Time		When turning power off after time up: 0.1 second maximum When turning power off before time up: 1 second maximum			
Insulation Resistance		100MΩ minimum			
Dielectric Strength		2,000V AC, 1 minute (except between contacts of the same pole)			
Vibration Resistance		100N (approximate 10G)			
Shock Resistance		Operating extremes: 100N (approximate 10G) Damage limits: 500N (approximate 50G)			
Power Consumption		100V AC type: 1.5VA (at 50Hz) 200V AC type: 1.6VA (at 50Hz) 24V DC type: 0.9W			
Electrical Life		500,000 operations minimum (220V AC, 5A)	200,000 operations minimum (110V AC, 3A)		
Mechanical Life		50,000,000 operations minimum			
Operating Temperature		−10 to	+50°C		
Operating Humidity		45 to 85% RH			



^{1.} Minimum applicable load: GT5Y-2: 5V DC, 20mA (reference value); GT5Y-4: 5V DC, 10mA (reference value).



^{2.} Inductive load: $\cos \varnothing = 0.3$, L/R=7msec.

Part Numbering List

Mode of Operation	Contact	Output	Rated Voltage	Time Range	Complete Part No.
				1S/10S/1M/10M	GT5Y-2SN1A100
			100 to 120V AC	3S/30S/3M/30M	GT5Y-2SN3A100
				6S/60S/6M/60M	GT5Y-2SN6A100
				1S/10S/1M/10M	GT5Y-2SN1A200
			200 to 240V AC	3S/30S/3M/30M	GT5Y-2SN3A200
				6S/60S/6M/60M	GT5Y-2SN6A200
		00011401		1S/10S/1M/10M	GT5Y-2SN1D12
	DPDT	220V AC/ 30V DC, 5A	12V DC	3S/30S/3M/30M	GT5Y-2SN3D12
		001 20, 011		6S/60S/6M/60M	GT5Y-2SN6D12
				1S/10S/1M/10M	GT5Y-2SN1D24
			24V DC	3S/30S/3M/30M	GT5Y-2SN3D24
				6S/60S/6M/60M	GT5Y-2SN6D24
			24V AC	1S/10S/1M/10M	GT5Y-2SN1A24
				3S/30S/3M/30M	GT5Y-2SN3A24
ON-Delay				6S/60S/6M/60M	GT5Y-2SN6A24
OIN-Delay			100 to 120V AC	1S/10S/1M/10M	GT5Y-4SN1A100
				3S/30S/3M/30M	GT5Y-4SN3A100
				6S/60S/6M/60M	GT5Y-4SN6A100
				1S/10S/1M/10M	GT5Y-4SN1A200
			200 to 240V AC	3S/30S/3M/30M	GT5Y-4SN3A200
				6S/60S/6M/60M	GT5Y-4SN6A200
				1S/10S/1M/10M	_
	4PDT	220V AC/30V DC, 3A	12V DC	3S/30S/3M/30M	GT5Y-4SN3D12
				6S/60S/6M/60M	_
				1S/10S/1M/10M	GT5Y-4SN1D24
			24V DC	3S/30S/3M/30M	GT5Y-4SN3D24
				6S/60S/6M/60M	GT5Y-4SN6D24
				1S/10S/1M/10M	GT5Y-4SN1A24
			24V AC	3S/30S/3M/30M	GT5Y-4SN3A24
				6S/60S/6M/60M	GT5Y-4SN6A24



For sockets and accessories, see page 941.

Timing Ranges

Code	Scale		Range ation	Time Range
1S		x 0.1	S	0.1 second to 1 second
10S	0 to 10	x 1	S	0.2 second to 10 seconds
1M	0 10 10	x 0.1	М	1.2 seconds to 1 minute
10M		x 1	М	12 seconds to 10 minutes
3S		x 1	S	0.1 second to 3 seconds
30S	0 +- 0	x 10	S	0.5 second to 30 seconds
3M	0 to 3	x 1	M	3 seconds to 3 minutes
30M		x 10	М	30 seconds to 30 minutes
6S		x 1	S	0.1 second to 6 seconds
60S	0 to 6	x 10	S	1 second to 60 seconds
6M		x 1	М	6 seconds to 6 minutes
60M		x 10	М	1 minute to 60 minutes

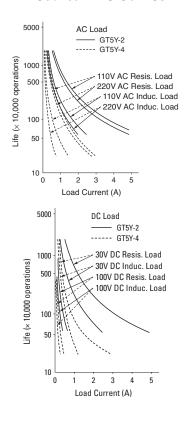


Internal (bott

Timing Diagram/Schematics/Electrical Life Curves

	GT5Y-2	GT5Y-4
	DPDT	4PDT
Internal Connections (bottom view)	5 1 8 4 13 (~/-) (~/+) 9 12 14	5 1 6 2 7 3 8 4 13 (~/-)
Operation Mode: ON-Delay		Operation ————————————————————————————————————

Electrical Life Curves



Accessories2

DIN Rail Mounting Accessories

DIN Rail/Surface Mount Sockets and Hold-Down Springs

	DIN Rail Mount Socket	Applicable Hold-Down Springs		
Style	Appearance	Part No.	Appearance	Part No.
14-Blade Screw Terminal		SY4S-05		
14-Blade Screw Terminal (fingersafe)		SY4S-05C	Carlot Carlot	SFA-202
DIN Mounting Rail Length 1000mm		BNDN1000		

Panel Mounting Accessories

Part Numbers: Panel Mount Socket and Hold-Down Springs

	Panel Mount Socket	Applicable Hold-Down Springs	3	
Style	Appearance	Part No.	Appearance	Part No.
14-Blade Solder Terminal		SY4S-51	105	SFA-302

PCB Mounting Accessories

Part Numbers: PCB Mount Sockets with Applicable Hold-Down Springs

	PCB Mount Socket		Applicable Hold-Down Springs	3
Style	Appearance Part No.		Appearance	Part No.
14 Blade, PCB Terminal		SY4S-61	105	SFA-302
14 Blade, PCB Terminal		SY4S-62		SY4S-02F1