



# GT5Y Series Miniature Electronic Timers

## Four Selectable Operation Modes. Six Selectable Time Ranges. Delayed Output 4PDT/3A or DPDT/5A.

- Four operation modes: ON Delay, Interval ON, Cycle OFF, and Cycle ON
- Repeat error:  $\pm 0.2\% \pm 20$  ms maximum
- Miniature size
- LED indicators for output and power
- Complies with safety standards. UL/c-UL listed. EN compliant.

Applicable Standards	Mark	File No. or Organization
UL508 CSA C22.2 No.14		UL/c-UL Listed File No. E55996
EN61812-1		EU Low Voltage Directive

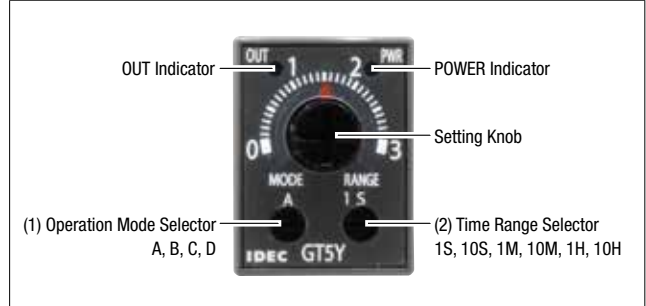
Note: When using as a UL Listing approved product, use IDEC timer sockets under the below conditions.

SY4S-05\*, SM2S-05\* (Specify A, B, C, DF, DN, or U in place of \*)

- Wire conductor temperature rating: 60°C min.
- Copper wire only: AWG14 max. (2mm<sup>2</sup> max.), AWG14 max. (0.9mm<sup>2</sup> max.)
- Tightening torque: 0.6 to 1.0N·m

SU4S-11L, SU2S-11L

- Wire conductor temperature rating: 60°C min.
- Copper wire only: AWG16 max. (solid wire 1.5mm<sup>2</sup> max., stranded wire 1.25mm<sup>2</sup> max.), AWG18 max. (0.9mm<sup>2</sup> max.)



Package Quantity: 1

(1) Operation Mode	Contact	Output	Time Ranges	Operating Voltage	Part No. (Ordering No.)			
A: ON Delay	DPDT	220V AC/ 30V DC, 5A	0.1S to 10H	100 to 120V AC	GT5Y-2SN1A100			
			0.1S to 30H		GT5Y-2SN3A100			
			0.1S to 60H		GT5Y-2SN6A100			
			B: Interval ON	DPDT	220V AC/ 30V DC, 5A	0.1S to 10H	200 to 240V AC	GT5Y-2SN1A200
						0.1S to 30H		GT5Y-2SN3A200
						0.1S to 10H		GT5Y-2SN1D12
C: Cycle OFF	DPDT	220V AC/ 30V DC, 5A				0.1S to 30H	12V DC	GT5Y-2SN3D12
						0.1S to 60H		GT5Y-2SN6D12
						0.1S to 10H		GT5Y-2SN1D24
			D: Cycle ON	4PDT	30V DC, 3A	0.1S to 30H	24V DC	GT5Y-2SN3D24
						0.1S to 60H		GT5Y-2SN6D24
						0.1S to 10H		GT5Y-4SN1A100
D: Cycle ON	4PDT	30V DC, 3A				0.1S to 30H	100 to 120V AC	GT5Y-4SN3A100
						0.1S to 60H		GT5Y-4SN6A100
						0.1S to 10H		GT5Y-4SN1A200
			D: Cycle ON	4PDT	30V DC, 3A	0.1S to 30H	200 to 240V AC	GT5Y-4SN3A200
						0.1S to 60H		GT5Y-4SN6A200
						0.1S to 10H		GT5Y-4SN1D12
D: Cycle ON	4PDT	30V DC, 3A				0.1S to 30H	12V DC	GT5Y-4SN3D12
						0.1S to 60H		GT5Y-4SN6D12
						0.1S to 10H		GT5Y-4SN1D24
			D: Cycle ON	4PDT	30V DC, 3A	0.1S to 30H	24V DC	GT5Y-4SN3D24
						0.1S to 60H		GT5Y-4SN6D24
						0.1S to 10H		GT5Y-4SN1D24

Note: S and M of the time range indicate second, and minute respectively.

## Time Ranges

Code	Scale	(2) Time Range Indication	Time Range
1: 0.1S to 10H	0 to 1	1S	0.1 sec to 1 sec
		10S	0.2 sec to 10 sec
		1M	1 sec to 1 min
		10M	10 sec to 10 min
		1H	1 min to 1 hr
		10H	10 min to 10 hr
3: 0.1S to 30H	0 to 3	1S	0.1 sec to 3 sec
		10S	0.5 sec to 30 sec
		1M	3 sec to 3 min
		10M	30 sec to 30 min
		1H	3 min to 3 hr
		10H	30 min to 30 hr
6: 0.1S to 60H	0 to 6	1S	0.1 sec to 6 sec
		10S	1 sec to 60 sec
		1M	6 sec to 6 min
		10M	1 min to 60 min
		1H	6 min to 6 hr
		10H	60 min to 60 hr

## Contact Ratings

Part No.	GT5Y-4	GT5Y-2
Contact Configuration	4PDT	DPDT
Rated Load	Resistive Load	220V AC, 3A/30V DC, 3A
	Inductive Load $\cos\theta=0.3, L/R=7ms$	220V AC, 0.8A/30V DC, 1.5A
Maximum Switching Voltage	250V AC/125V DC	250V AC/125V DC
Maximum Switching Current	3A	5A (Note)
Maximum Switching Frequency	1800 operations/hour	1800 operations/hour
Allowable Contact Power	Resistive Load	AC: 660VA/DC: 90W
	Inductive Load $\cos\theta=0.3, L/R=7ms$	AC: 176VA/DC: 45W
Minimum Applicable Load	5V DC, 10mA (reference value)	5V DC, 20mA (reference value)
	24V DC, 5mA (reference value)	24V DC, 10mA (reference value)
External Protection Element	Fuse 250V 3A	Fuse 250V 5A
Life	Electrical	200,000 operations minimum (220V AC, 3A)
	Mechanical	50 million operations minimum

Note: See Operating Temperature - Maximum Switching Current Characteristics.