

GT3W Series – Dual Time Range Timers

Key features:

- Sequential start, sequential interval, on-delay, recycler, and interval ON timing functions
- 2 time settings in one timer
- 8 selectable operation modes on each model
- Mountable in sockets or flush panel
- Power and output status indicating LEDs
- Time ranges up to 300 hours



General Specifications

Operation System	Solid state CMOS Circuit	
Operation Type	Multi-Mode	
Time Range	1: 0.1sec to 6 hours, 3: 0.1sec to 300 hours	
Pollution Degree	2 (IE60664-1)	
Over Voltage Category	III (IE60664-1)	
Rated Operational Voltage	AF20	100-240V AC(50/60Hz)
	AD24	24V AC(50/60Hz)/24V DC
	D12	12V DC
Voltage Tolerance	AF20	85-264V AC(50/60Hz)
	AD24	20.4-26.4V AC(50/60Hz)/21.6-26.4V DC
	D12	10.8-13.2V DC
Disengaging Value of Input Voltage	Rated Voltage x10% minimum	
Range of Ambient Operating Temperature	-10 to +50°C (without freezing)	
Range of Ambient Storage and Transport Temperature	-30 to +75°C (without freezing)	
Range of Relative Humidity	35 to 85%RH (without condensation)	
Atmospheric Pressure	80kPa to 110kPa (Operating), 70kPa to 110kPa (Transport)	
Reset Time	60msec maximum	
Repeat Error	±0.2%, ±10msec*	
Voltage Error	±0.2%, ±10msec*	
Temperature Error	±0.6%, ±10msec*	
Setting Error	±10% maximum	
Insulation Resistance	100MΩ minimum (500V DC)	
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: 750V AC, 1 minute	
Vibration Resistance	10 to 55Hz amplitude 0.75mm ² hours in each of 3 axes	
Shock Resistance	Operating extremes: 98m/sec ² (approx. 10G) Damage limits: 490m/sec ² (approx. 50G) 3 times in each of 3 axes	
Degree of Protection	IP40 (enclosure), IP20 (socket) (IEC60529)	
Power Consumption (Approx.)	AF20	100V AC/60Hz
		200V AC/60Hz
	AD24 (AC/DC)	
Mounting Position	Free	
Dimensions	40Hx 36W x 70 mm	
Weight (Approx.)	72g	



* For the value of the error against a preset time, whichever the largest applies.

Contact Ratings

Allowable Contact Power	960VA/120W	
Allowable Voltage	250V AC/150V DC	
Allowable Current	5A	
Maximum permissible operating frequency	1800 cycles per hour	
	1/8HP, 240V AC	
Rated Load	3A, 240V AC (Resistive)	
	5A, 120V AC/30V DC (Resistive)	
	Fuse 5A, 250V	
Life	Electrical	100,000 op. minimum (Resistive)
	Mechanical	20,000,000 op. minimum

Part Number List

Part Numbers

Mode of Operation	Output	Contact	Time Range*	Rated Voltage	Pin Configuration	New Part Numbers
A: Sequential Start B: On-delay with course and fine C: Recycler and instaneous D: Recycler outputs (OFF Start) E: Recycler outputs (ON Start) F: Interval ON G: Interval ON Delay H: Sequential Interval	3A, 240V AC	Delayed SPDT + Delayed SPDT	1: 0.1sec - 6 hours *(See Time Range Settings for details.)	100 to 240V AC (50/60Hz)	8 pin	GT3W-A11AF20N
					11 pin	GT3W-A11EAF20N
	5A, 120V AC/30V DC (Resistive Load)			24V AC/DC	8 pin	GT3W-A11AD24N
					11 pin	GT3W-A11EAD24N
	12V DC			8 pin	GT3W-A11D12N	
				11 pin	GT3W-A11ED12N	
	3: 0.1sec - 300 hours		100 to 240V AC (50/60Hz)	8 pin	GT3W-A33AF20N	
			24V AC/DC		GT3W-A33AD24N	

- 1. For timing diagrams and schematics, see page 940.
- 2. For socket and accessory part number information, see page 959.
- 3. 8- and 11-pin models differ only in the number of pins (extra pins are not used).
- 4. For the timing diagram overview, see page 940.
- 5. *For details on setting time ranges, see the instructions on page 941.

Time Range Table

Time Range Code: 1			Time Range Code: 3		
Time Range Selector	Scale	Time Range	Time Range Selector	Scale	Time Range
1S	0-1	0.1 sec - 1 sec	1S	0 - 3	0.1 sec - 3 sec
10S		0.3 sec - 10 sec	1M		3 sec - 3 min
10M		15 sec - 10 min	1H		3 min - 3 hours
1S	0 - 6	0.1 sec - 6 sec	1S	0 - 30	0.6 sec - 30 sec
10S		1 sec - 60 sec	1M		36 sec - 30 min
1M		6 sec - 6 min	1H		36min - 30 hours
10M		1 min - 60 min	10H		6 hours - 300 hours
1H		6 min - 6 hours			