

# The GE1A Series

Electronic Timers and Accessories



idec

# GE1A Series

- *Large, clear knob for easy setting* -
- *Adjustable from 0.1 sec to 10 min or 0.1 min to 10 hours* -
- *Delay on make (ON delay) function* -
- *Instant monitoring of operational status by LED indicators* -

IDEC's new GE1A series of timers are single function (On Delay) time delay relays. Extremely easy to configure for a wide variety of set times, the GE1A is a perfect fit for an OEM looking for a simple "plug and play" timing solution. The GE1A handles settings up to 10 hours, and two different contact configurations are designed to meet most application requirements. With IDEC's accessories, DIN rail, socket or through-panel (with a clear plastic protective cover) mounting configurations are available.

## *Time Ranges*

Time ranges are selected using two slide switches on the timer face.

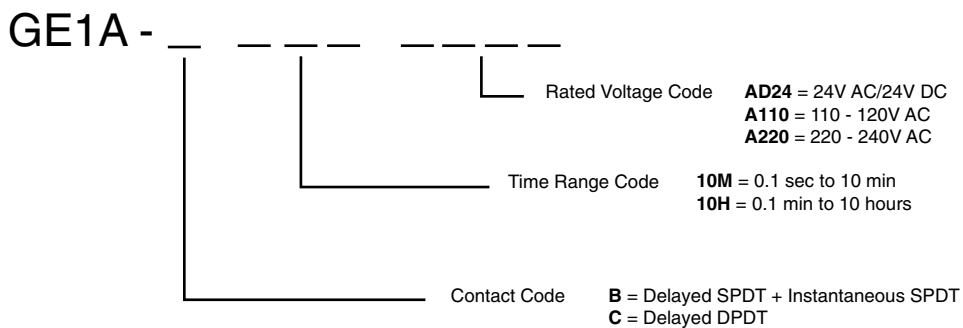
<b>Time Range Code</b>	<b>Slide Switch Positions</b>		<b>Time Ranges</b>
10M	S	X1	0.1 sec to 1 sec
	S	X10	1 sec to 10 sec
	M	X1	0.1 min to 1 min
	M	X10	1 min to 10 min
10H	M	X1	0.1 min to 1 min
	M	X10	1 min to 10 min
	H	X1	0.1 hour to 1 hour
	H	X10	1 hour to 10 hours



# GE1A Series

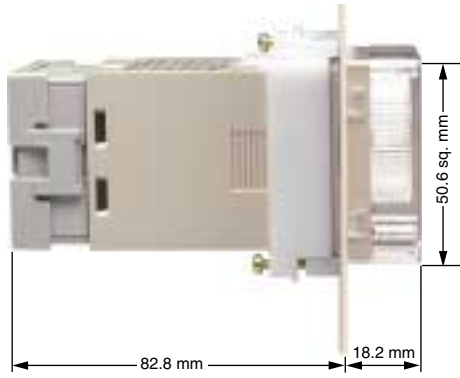


## Part No. Development



## Variations

Time Range	Rated Voltage	Contacts	
		Delayed SPDT + Instantaneous SPDT	Delayed DPDT
0.1 sec to 10 min	24V AC/DC	GE1A-B10MAD24	GE1A-C10MAD24
	110 - 120V AC	GE1A-B10MA110	GE1A-C10MA110
	220 - 240V AC	GE1A-B10MA220	GE1A-C10MA220
0.1 min to 10 hours	24V AC/DC	GE1A-B10HAD24	GE1A-C10HAD24
	110 - 120V AC	GE1A-B10HA110	GE1A-C10HA110
	220 - 240V AC	GE1A-B10HA220	GE1A-C10HA220



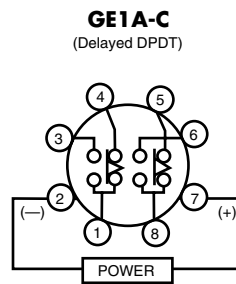
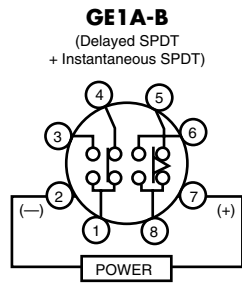
## Contact Ratings

Contact Ratings	24V AC/5A, 24V DC/5A (resistive load)
Electrical Life	100,000 operations minimum (at full rated load)
Mechanical Life	10,000,000 operations minimum

## Specifications

Time Range	0.1 second to 10 hours		
Rated Operational Voltage	24V AC/DC, 110 to 120V AC, 220 to 240V AC		
Voltage Tolerance	AC: 85 to 110%, DC: 90 to 110%		
Operating Temperature	-10 to +55°C (without freezing)		
Storage Temperature	-30 to +80°C (without freezing)		
Operating Humidity	35 to 85% RH (without condensation)		
Repeat Error	±0.2% ±10 ms maximum		
Voltage Error	±0.5% ±10 ms maximum		
Temperature Error	±3% maximum		
Setting Error	±10% maximum		
Insulation Resistance	100 MΩ minimum (500V DC megger)		
Dielectric Strength	Between power and output terminals: 1,500V AC, 1 minute Between contact circuits: 750V AC, 1 minute		
Vibration Resistance	Damage limits: Amplitude 0.75 mm, 10 to 55 Hz Operating extremes: Amplitude 0.5 mm, 10 to 55 Hz		
Shock Resistance	Damage limits: 500 m/s <sup>2</sup> (Approx. 50G)		
Power Consumption	GE1A-B	GE1A-C	
	24V AC	1.6VA	2.0VA
	24V DC	1.0W	0.8W
	110V AC (60/50 Hz)	3.8VA/3.3VA	3.5VA/3.0VA
	220V AC (60/50 Hz)	7.7VA/6.6VA	8.0VA/7.0VA

# Internal Connections



# Operation Charts

**GE1A-B**

Item	Terminal No.	Operation	
Power	2-7 (Power)	ON	OFF
		OFF	ON
Delayed Contact	8-5 (NC)	ON	OFF
	8-6 (NO)	OFF	ON
Instantaneous Contact	1-4 (NC)	ON	OFF
	1-3 (NO)	OFF	ON
LED Indicator	POWER	ON	OFF
	OUT	OFF	ON

**GE1A-C**

Item	Terminal No.	Operation	
Power	2-7 (Power)	ON	OFF
		OFF	ON
Delayed Contact	1-4, 8-5 (NC)	ON	OFF
	1-3, 8-6 (NO)	OFF	ON
LED Indicator	POWER	ON	OFF
	OUT	OFF	ON

# Accessories



Screw Terminal Socket  
For Panel Mounting  
Part No. SR6P-M08G



Panel Mount  
Adapter  
Part No. GE9Z-AD



Dust Cover  
Part No. GE9Z-C48

DIN rail mount accessories also available.

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[www.idec.com](http://www.idec.com)

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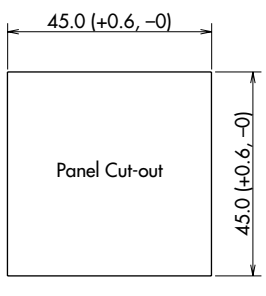
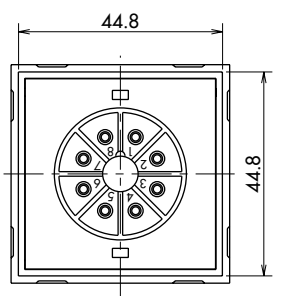
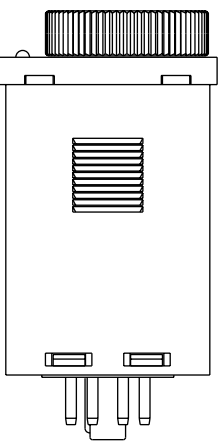
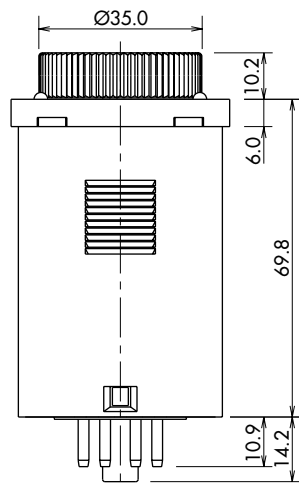
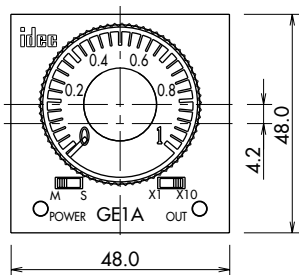
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**Dimensions**



Dimensions in mm

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