

GE1A Series – ON Delay Timers

Single Function

Key features of the GE1A series include:

- DPDT or SPDT + instantaneous SPDT
- 8-pin, octal base
- 8 time ranges
- Repeat error $\pm 0.2\%$ maximum
- Large, clear knob for easy setting
- Instant monitoring of operational status by LED indicators



UL, c-UL Listed
File No. E55996



Specifications

| | | |
|--------------------------------|--|----------------------|
| Rated Operating Voltage | 24V AC/DC 100 to 120V AC 220 to 240V AC | |
| Voltage Tolerance | AC: 85 to 110% DC: 90 to 110% | |
| Contact Rating | 240V AC/5A 24V DC/5A | |
| Contact Form | DPDT or SPDT+ instantaneous SPDT | |
| Repeat Error | $\pm 0.2\% \pm 10\text{msec}$ maximum | |
| Voltage Error | $\pm 0.5\% \pm 10\text{msec}$ maximum | |
| Temperature Error | $\pm 3\%$ maximum | |
| Setting Error | $\pm 10\%$ maximum | |
| Reset Time | 0.1 sec maximum | |
| Insulation Resistance | 100M Ω 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 0.75mm, 10 to 55 Hz Operating extremes: Amplitude 0.5mm, 10 to 55 Hz | |
| Shock Resistance | Damage limits: 500m/s ² (Approx. 50G) | |
| Power Consumption | GE1A-B | 24V AC type: 1.6 VA |
| | | 24V DC type: 1.0W |
| | | 110V AC type: 3.8 VA |
| | GE1A-C | 220V AC type: 7.7 VA |
| | | 24V AC type: 2.0 VA |
| | | 24V DC type: 0.8W |
| | 110V AC type: 3.5 VA | |
| | 220V AC type: 8.0 VA | |
| | | |
| Electrical Life | 100,000 operations minimum (at full rated load) | |
| Mechanical Life | 10,000,000 operations minimum | |
| Operating Temperature | -10 to +55°C (without freezing) | |
| Operating Humidity | 35 to 85% RH (without freezing) | |

Switches & Pilot Lights

Display Lights

Relays & Sockets

Timers

Terminal Blocks

Circuit Breakers

Part Numbering List

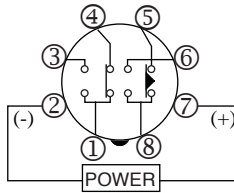
| Mode of Operation | Contact | Output | Rated Voltage | Time Range | Complete Part Number | |
|-------------------|-----------------------------------|-----------------------------------|---------------|-------------|----------------------|---------------|
| ON-Delay | Delayed SPDT + Instantaneous SPDT | 24V DC/120V AC, 5A 240V AC, 5A | 24V AC/DC | 0.1s to 10m | GE1A-B10MAD24 | |
| | | | 110-120V AC | | GE1A-B10MA110 | |
| | | | 220-240V AC | | GE1A-B10MA220 | |
| | | | 24V AC/DC | 0.1m to 10h | GE1A-B10HAD24 | |
| | | | 110-120V AC | | GE1A-B10HA110 | |
| | | | 220-240V AC | | GE1A-B10HA220 | |
| | Delayed DPDT | | | 24V AC/DC | 0.1s to 10m | GE1A-C10MAD24 |
| | | | | 110-120V AC | | GE1A-C10MA110 |
| | | | | 220-240V AC | | GE1A-C10MA220 |
| | | | | 24V AC/DC | 0.1m to 10h | GE1A-C10HAD24 |
| | | | | 110-120V AC | | GE1A-C10HA110 |
| | | | | 220-240V AC | | GE1A-C10HA220 |

Switches & Pilot Lights

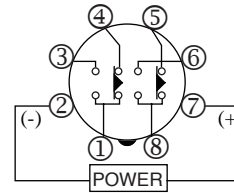
Display Lights

Timing Diagrams/Schematics

GE1A-B
Delayed SPDT + Instantaneous SPDT



GE1A-C
Delayed DPDT



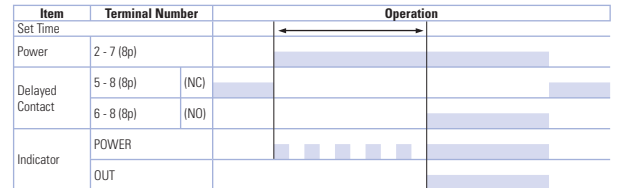
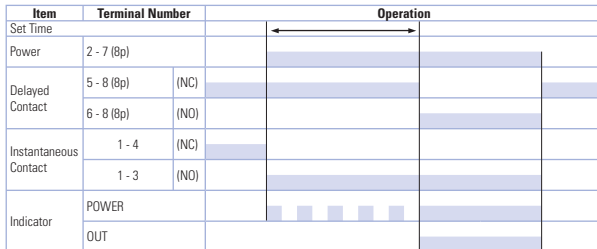
Operation Mode Selection

Relays & Sockets

ON-Delay 1

MODE

A



Timers

Terminal Blocks

Circuit Breakers