The GE1A Series
Electronic Timers and Accessories
**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.

<table>
<thead>
<tr>
<th>Time Range Code</th>
<th>Slide Switch Positions</th>
<th>Time Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>10M</td>
<td>S X1</td>
<td>0.1 sec to 1 sec</td>
</tr>
<tr>
<td></td>
<td>S X10</td>
<td>1 sec to 10 sec</td>
</tr>
<tr>
<td></td>
<td>M X1</td>
<td>0.1 min to 1 min</td>
</tr>
<tr>
<td></td>
<td>M X10</td>
<td>1 min to 10 min</td>
</tr>
<tr>
<td>10H</td>
<td>M X1</td>
<td>0.1 min to 1 min</td>
</tr>
<tr>
<td></td>
<td>M X10</td>
<td>1 min to 10 min</td>
</tr>
<tr>
<td></td>
<td>H X1</td>
<td>0.1 hour to 1 hour</td>
</tr>
<tr>
<td></td>
<td>H X10</td>
<td>1 hour to 10 hours</td>
</tr>
</tbody>
</table>
### GE1A Series

#### Part No. Development

<table>
<thead>
<tr>
<th>Time Range</th>
<th>Rated Voltage</th>
<th>Contacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1 sec to 10 min</td>
<td>24V AC/DC</td>
<td>GE1A-B10MAD24 GE1A-C10MAD24</td>
</tr>
<tr>
<td></td>
<td>110 - 120V AC</td>
<td>GE1A-B10MA110 GE1A-C10MA110</td>
</tr>
<tr>
<td></td>
<td>220 - 240V AC</td>
<td>GE1A-B10MA220 GE1A-C10MA220</td>
</tr>
<tr>
<td>0.1 min to 10 hours</td>
<td>24V AC/DC</td>
<td>GE1A-B10HAD24 GE1A-C10HAD24</td>
</tr>
<tr>
<td></td>
<td>110 - 120V AC</td>
<td>GE1A-B10HA110 GE1A-C10HA110</td>
</tr>
<tr>
<td></td>
<td>220 - 240V AC</td>
<td>GE1A-B10HA220 GE1A-C10HA220</td>
</tr>
</tbody>
</table>

#### Variations

- **B** = Delayed SPDT + Instantaneous SPDT
- **C** = Delayed DPDT

Rated Voltage Codes:
- **AD24** = 24V AC/24V DC
- **A110** = 110 - 120V AC
- **A220** = 220 - 240V AC

Time Range Codes:
- **10M** = 0.1 sec to 10 min
- **10H** = 0.1 min to 10 hours
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/s² (Approx. 50G)
Power Consumption GE1A-B GE1A-C

<table>
<thead>
<tr>
<th>Voltage</th>
<th>GE1A-B</th>
<th>GE1A-C</th>
</tr>
</thead>
<tbody>
<tr>
<td>24V AC</td>
<td>1.6VA</td>
<td>2.0VA</td>
</tr>
<tr>
<td>24V DC</td>
<td>1.0W</td>
<td>0.9W</td>
</tr>
<tr>
<td>110V AC (60/50 Hz)</td>
<td>3.8VA/3.3VA</td>
<td>3.5VA/3.0VA</td>
</tr>
<tr>
<td>220V AC (60/50 Hz)</td>
<td>7.7VA/6.6VA</td>
<td>8.0VA/7.0VA</td>
</tr>
</tbody>
</table>

Contact Ratings

240V 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
**Internal Connections**

**GE1A-B**

- Terminal No.: 2-7
- (Power) 8-5
- (NC) 8-6
- (NO) 1-4, 1-3

**GE1A-C**

- Terminal No.: 2-7
- (Power) 8-5
- (NC) 8-6
- (NO) 1-4, 1-3

**Operation Charts**

**GE1A-B**

- Item: Power
- Operation: Delayed Contact

**GE1A-C**

- Item: Power
- Operation: Instantaneous Contact

**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.

www.idec.com
Dimensions

Panel Cut-out Dimensions in mm