B506 Series 1/16 DIN Multifunction LED Timer

Designed as the “best” fit timer for most applications, the B506 Series is divided into 3 separate base models. The standard unit offers a wide range of field selectable operating modes and time ranges as well as a host of other convenient features. The high performance model is a good choice when advanced functions such as dual setpoints and 1 ms resolution are required. The repeat cycle model provides a variety of benefits specifically tailored for cyclical operations.

Simple to set up and operate, the B506 utilizes an intuitive button-per-digit method for setpoint input and easy to follow scroll through menus for programming. The dual line display optimizes the interface by indicating both the present time value and the setpoint, while up to 8 annunciator lights provide information on process status. Multi-level security enables shop floor access to be tailored to your needs.

Intended for tough industrial conditions, the B506 Series offers an IP65 rated front panel and a high degree of noise immunity. Choose from models with a 5 amp relay, which can directly drive a load, or solid state outputs for high speed applications.

- Standard, High Performance, and Repeat Cycle models available
- Four digit dual line LED display indicates set value and time value
- Multiple field programmable modes of operation and time ranges
- Multiple levels of security prevent unauthorized changes
- IP65 rated for use in washdown conditions
- Universal AC supply voltage (90-240 VAC) or 24 VAC/VDC models
- Intuitive button-per-digit interface
- 5 amp relay output or NPN transistor
- Industry standard 11 pin socket connection
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>B506-5XXX</th>
<th>B506-7XXX &amp; B506-2XXX</th>
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</thead>
<tbody>
<tr>
<td>Start &amp; Reset</td>
<td>NPN or Dry Contact</td>
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<tr>
<td>Activation Time</td>
<td>850-XXX: 4ms</td>
<td>850-XXX: 21 ms</td>
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<tr>
<td>Impedence</td>
<td>10 KΩ</td>
<td></td>
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<tr>
<td>Inhibit</td>
<td>Repeat Cycle &amp; High Performance - B506-7XXX &amp; B506-2XXX: NPN or Dry Contact</td>
<td></td>
</tr>
</tbody>
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### OUTPUTS

- **Standard**: B506-5XXX: Timed DPDT (5 amps); Repeat Cycle - B506-7XXX: Relay - 2 SPDT (5 amp) - 15 ms latency, B506-705X: Transistor - NPN Open Collector - 30 VDC, 30 mA max.; High Performance - B506-200X: Relay - 2 SPDT (5 amp) - 15 ms max latency, B506-205X: Transistor - NPN Open Collector - 30 VDC, 30 mA max. opto isolated

### ORDERING INFORMATION

- **Standard Models**
  - B506-5001: 90-240 VAC
  - B506-5002: 24 VAC/VDC

- **Repeat Cycle Models**
  - B506-7001: Relay Out, 90-240 VAC
  - B506-7002: Relay Out, 24 VAC/VDC
  - B506-7051: NPN Trans Out, 90-240 VAC
  - B506-7052: NPN Trans Out, 24 VAC/VDC

- **High Performance Models**
  - B506-2001: Relay Out, 90-240 VAC
  - B506-2002: Relay Out, 24 VAC/VDC
  - B506-2051: NPN Trans Out, 90-240 VAC
  - B506-2052: NPN Trans Out, 24 VAC/VDC

### Accessories

- 60SR3P06: 11 Pin Sockets - DIN Rail Mount
- PBT-03172: 11 Pin Sockets - Outward Facing Terminals