



## 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.



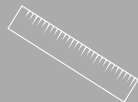
- Standard, High Performance, and Repeat Cycle models available
- Four digit dual line LED display indicates set value and time value
- Multiple field programmable modes of operation and time ranges
- Multiple levels of security prevent unauthorized changes
- IP65 rated for use in washdown conditions
- 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



TIME



COUNT



MEASURE

8:43

DISPLAY



# B506 Series

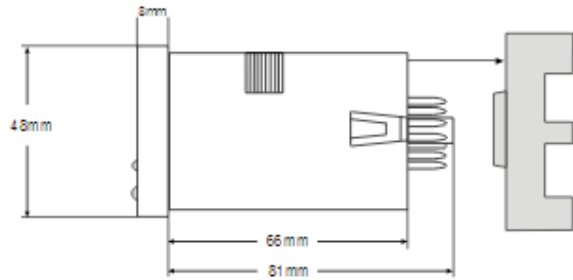
## 1/16 DIN Multifunction LED Timer

ESVR 09082016

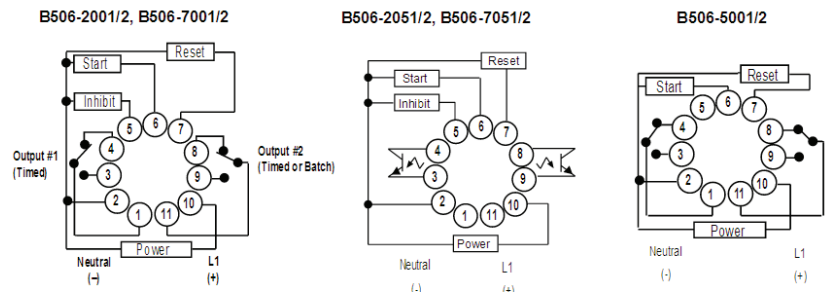
### SPECIFICATIONS

START & RESET	NPN or Dry Contact
ACTIVATION TIME	B506-XXX2: 4ms B506-XXX1: 21 ms
IMPEDENCE	10 K $\Omega$
INHIBIT	<b>Repeat Cycle &amp; High Performance</b> - B506-7XXX & B506:2XXX: NPN or Dry Contact
OUTPUTS	<b>Standard</b> - B506-5XXX: Timed DPDT (5 amps); <b>Repeat Cycle</b> - B506-700X: Relay - 2 SPDT (5 amp) - 15 ms latency; B506-705X: Transistor - NPN Open Collector - 30 VDC, 30 mA max.; <b>High Performance</b> - B506-200X: Relay - 2 SPDT (5 amp) - 15 ms max latency; B506-205X: Transistor - NPN Open Collector - 30 VDC, 30 mA max. opto isolated
POWER CONSUMPTION	<b>Standard</b> - B506-5XXX: < 10 VA; <b>Repeat Cycle &amp; High Performance</b> - B506-7XXX & B506:2XXX: <10 VA max @ 240 VAC, 200 mA @ 24 VDC
RESOLUTION	<b>Standard:</b> Settable for XXXX or XX.XX for hrs., mins., and secs. ranges; <b>Repeat Cycle &amp; High Performance</b> - B506-7XXX & B506:2XXX: Settable for XXXX or X.XXX for hrs., mins., and secs. ranges
OPERATING MODES	<b>Standard:</b> On Delay, Off Delay, Interval, Repeat, Delay/ Interval; <b>Repeat Cycle</b> - B506-7XXX: Repeat Cycle; <b>High Performance</b> - 17 different programmable modes
SUPPLY VOLTAGE	90-240 VAC 50/60 Hz or 24 VAC/VDC
TIME RANGES	Hours, Minutes, Seconds, H:M, M:S
REPEAT ACCURACY	$\pm$ 0.01%
DIMENSIONS	48mm x 48mm, 85mm deep
DISPLAY	Dual line, 4 digit, 7 segment LED- 8mm high
MOUNTING	Panel mounting 45mm x 45mm cutout or DIN rail
WIRING CONNECTION	Via 11 pin plug in socket
WEIGHT	100g (3.5 oz.)
FRONT PANEL RATING	IEC IP65
OPERATING TEMPERATURE	32°F to 131°F (0°C to 55°C)
STORAGE TEMPERATURE	-40°F to 131°F (-40°C to 55°C)
HUMIDITY	5% to 95% RH non-condensing
MEMORY	Nonvolatile
APPROVALS	UL, CUL recognized; CE compliant

### DIMENSIONS



### WIRING



### 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