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EAGLE SIGNAL brand
Electronic Timers

B846 Multi-Function Timer



Simple dial set timer …Multiple tme ranges and versatile functions

CE

RECOGNIZED RECOGNIZED

A unique combination of versatility and simplicity make the Eagle Signal brand B846 the premiere low cost timing solution. Housed in a compact 1/16 DIN package, changing the set time is as simple as turning a dial.

Selectable time ranges provide preset times ranging from 0.06 seconds to 10 hours. The B846 is also field configurable to operate in On-Delay, Off-Delay, Interval, or Repeat Cycle timing modes.

A unique On-Delay/Interval model lets the B846 perform two timing functions in one compact unit. In addition to working as an On-Delay timer, an independent output interval time is provided. The output interval can be set to one of eight time values through DIP switches located on the side of the unit.

An industry standard 11 pin socket connection simplifies wiring and makes replacing existing units quick and easy. The unit can be DIN rail mounted, or with optional hardware, panel mounted. Multiple time ranges allow settings from 0.06 seconds to 10 hours

- Field selectable for operation in On-Delay, Off-Delay, Interval, or Repeat Cycle modes
- Universal power supply accepts 24 - 240 VAC or 24 VDC
- Meets IEC 801 level 4 noise immunity standards
- Unique On-Delay/Interval model lets one unit do the work of two in many applications
- Industry standard socket connection
- Front panel or DIN rail mounting
- Flexible start and reset input signals
- UL, CUL recognized, CE marked
- NEMA 4/IP65 rated front panel

Harsh industrial environments are no problem for the B846… its NEMA 4 front panel and IEC 801 level 4 noise immunity rating give this unit the strength to survive in the toughest conditions. A universal power supply meets global requirements for 24 - 240 VAC or 24 VDC operation.

SPECIFICATIONS

Inputs:

Start (B846-500/100): NPN or Dry Contact

Reset (B846-500/100): NPN or Dry Contact

Outputs:

Timed (B846-500/100): DPDT - 5 amp

Timed (B846-511): SPDT - 5 amp

Instantaneous (B846 -511): SPDT - 5 amp

Physical:

Dimensions: 48mm x 48mm, 85mm deep
Mount: Panel Mounting in 45 x 45 cutout, or DIN rail
Wiring Connection: Via 11 pin (B846-500/100) or 8 pin (B846-511) plug-in socket

Operation:

Supply Voltage: 24 - 240 VAC 50/60Hz, and 24 VDC

Power Consumption: < 10 VA

Time Ranges: Field Selectable 1, 10 Seconds; 1, 10 Minutes; 1, 10 Hours

Operating Modes: On-Delay, Off-Delay, Interval, Repeat Cycle (B846-500/511), On-Delay Interval (B846-100)

Setting Accuracy: ± 5%

Repeat Accuracy: ± 0.5%

Electrical Service Life: 100,000 cycles at full load

Mechanical Service Life: 10 million cycles at min. load

Environmental:

Front Panel Rating: NEMA 4/IP65

Operating Temperature: 0° to 55° C (32° to 131° F)

Storage Temperature: -40° to 90° C (-40° to 194° F)

Humidity: 5% to 95% RH non-condensing

Weight: 100 grams (3.5 ounces)

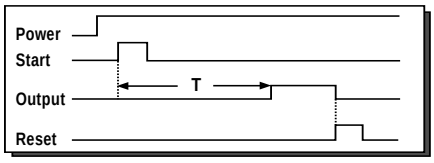
Approvals:

B846-100, -500: UL, CUL recognized, CE marked
B846-511: UL, CUL recognized

OPERATING MODES

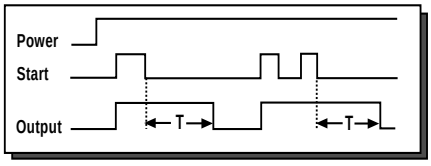
On-Delay

Timing begins on the leading edge of the start input. The output will activate at the completion of the preset time (T) and will remain active until the reset signal is applied or power is interrupted.



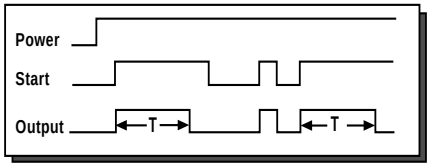
Off-Delay

The output is activated at the leading edge of the start signal. Timing begins on the trailing edge. The output will remain active until the preset time (T) has elapsed or power is interrupted. Reapplying the start signal before T has elapsed will reset the time value. The reset input is not used.



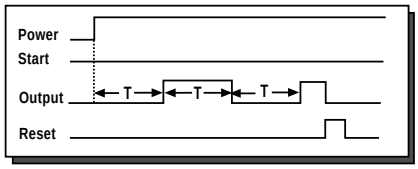
Interval

On the leading of the start input, the output is activated and timing begins. The output will remain active until the preset time (T) has elapsed or power is interrupted. Removal of the start signal will also cause the ouput to be deactivated and the time value reset. The reset input is not used.



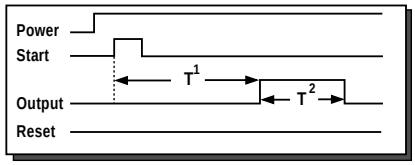
Repeat Cycle

Timing begins upon application of power. A cycle is initiated where the output will be OFF for the preset time (T), then ON for the preset time. This cycle will continue until a reset signal is applied or power is interrupted. If the start signal is present upon power-up, the cycle will be inverted with the ON phase preceeding the OFF phase.

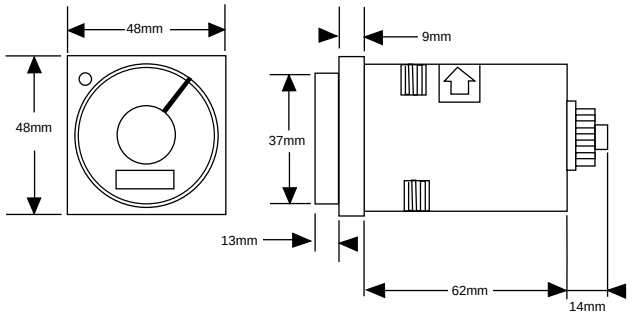


On-Delay/Interval

Timing begins on the leading edge of the start signal. The output turns ON when the delay preset time (T1) has elapsed. The output remains ON for the duration of the interval time (T2), then turns OFF. Interval times (T2) of 0.5, 1.0, 1.25, 2.0, 2.5, 4.0, 5.0, or 10.0 seconds may be selected.



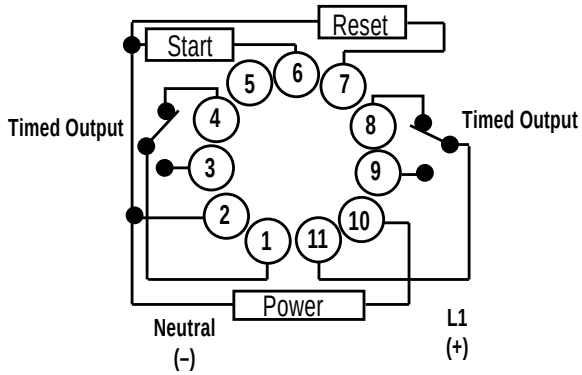
Dimensions:



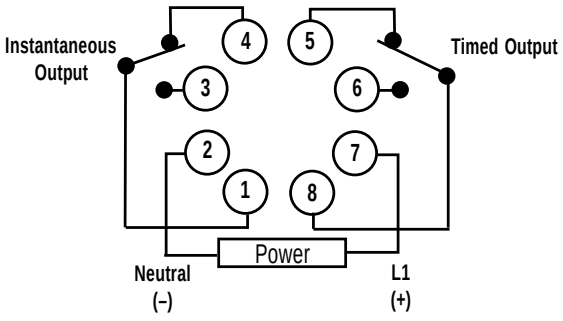
ORDERING INFORMATION

Description	Model
Multi-Function Timer	B846-500
As Above w/Instant Contacts	B846-511
With On-Delay/Interval Timer	B846-100
Accessories	
Mounting Bracket & Locking Ring	B846-A30
8 Pin Socket	60SR2P06
11 Pin Socket	60SR3P06

Wiring Connections



B846-500 and B856-100



B846-511

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