4800 Series Interval Timer, Fixed Timing, Solid State Output

Product Facts

- DC input fixed delay interval timer
- 1 Form A (SPST-NO), 500mA output
- CMOS digital design
- Reverse polarity protection
- Hermetic package
- Built to MIL-R-83726 environmentals
- Customizing options include
  - Adjustable timing
  - Tighter timing tolerances
  - Header and mounting
  - Relay output
  - AC input

Electrical Specifications

Timing Range: 100 s. to 600 s.

Tolerance: ±10%.

Repeatability: ±2%.

Recycle Time: 0.5% of Max. Delay.

Input Data:

Input Voltage: 18 to 31Vdc.

Current Drain: 40mA. max.

Output Data:

Output Form: 1 Form A (SPST-NO).

Output Rating:
500mA @ +25°C;
200mA @ +125°C.

Saturation Voltage:
1.0V, 500mA (25°C).

Leakage:
10µA (125°C).

Environmental Specifications

Temperature Range:
-55°C to +85°C or -55°C to +125°C.

Vibration: 20 G's, 10 - 2,000 Hz.

Shock: 50 G's, 11 ± 1ms duration.

Insulation Resistance: 1,000 megohms, min., at 500Vdc.

Dielectric Strength: 500Vrms, 60 Hz., at sea level, all terminals to case.

Sealing: Hermetic, 1.3 in. (33.0mm) of mercury.

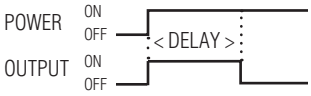
Life: Over 1 million operations.

Weight: 2 oz (50g) max.

Plug-in sockets are available

KILOVAC 4800 series interval timers combine solid state timing circuits with solid state outputs in robust hermetically sealed enclosures. They are fixed timers. The 1 Form A (SPST-NO) output switch is rated 500mA.

Timing Diagram



Apply power and the output will energize After time-out, the output will revert to de-energized state. Remove and reapply power to recycle.

Part Numbering System

Typical Part Number	4801	–1	A	– 1102

Model Number:
4801 = Fixed timer, -55°C to +85°C
4851 = Fixed timer, -55°C to +125°C

Header Style (see Header Options drawings):
1 = Hook terminals 2 = Straight terminals, short
3 = Straight terminals, long

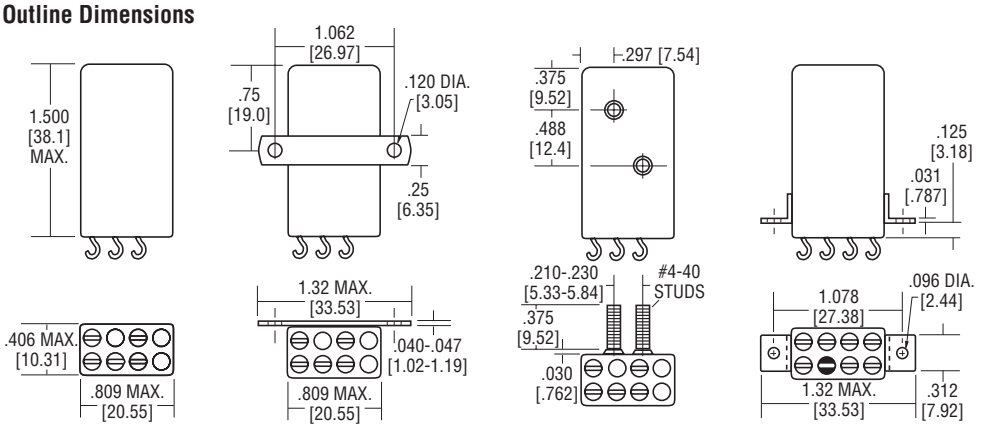
Mounting (see outline dimension drawings):
A = Plain case B = Bracket B C = Studs on side E = Bracket E

Timing Code:
Four-digit code for any value between 50ms and 600s.

The timing code consists of four digits and gives the time in ms. The first three digits are the significant figures and the last digit is the number of zeros following the significant figures; thus 50 ms would be coded 0500, 1.1 s would read 1101, and 1 m (60 s) would be 6002.

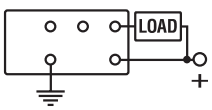
A typical part number would be 4801–1A–1102. This fixed timer operates at -55°C to +85°C, has hook terminals, style "A" mounting, and a time delay of 11s.

Outline Dimensions

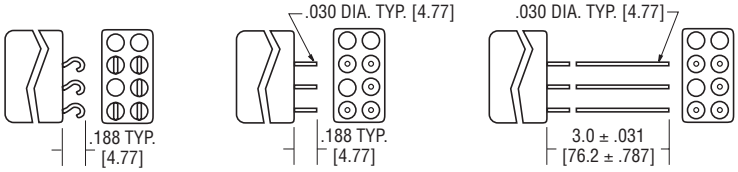


Mounting Option A **Mounting Option B** **Mounting Option D** **Mounting Option E**

Wiring Diagram



Header Options



TERMINAL SPACING IS 0.2 [5.08] FOR ALL HEADERS

Header Option 1 **Header Option 2** **Header Option 3**