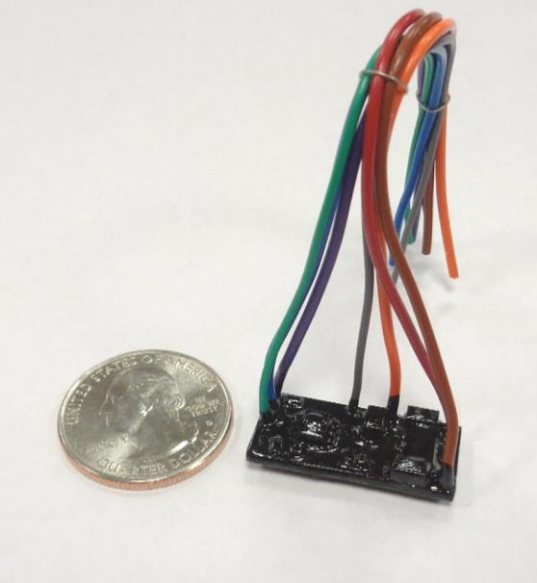
A Division of UIS Corp.	**KA Series Microtimer with Adjustable Timing** ***ICS, A Division of United Innovative Solutions*** ***Elk Grove Village, Illinois***	Phone 847-797-6678 sales@ics-timers.com ***www.ics-timers.com***

ICS KA Series Adjustable Microtimer provides time delay actions that include but are not limited to on delay, off delay, interval delay and recycle timer. Standard and custom time ranges and voltage options are offered. With output current capability up to 500mA at 12VDC, it is suitable for controlling many available relays, solenoids and other load types. The miniature size can be beneficial where space is limited.



ICS KA Series Microtimer

- **Externally Adjustable Timing**
- **5" 24 ga. Wiring Connections**
- **AC Models 24, 120 and 240 VAC**
- **DC Models 12, 24 and 125 VDC**
- **Miniature Size**
- **Custom Timing and Voltages**
- **Arbitrary Timing Actions**
- **Quantity Pricing Available**

Features

- **Provides small size and low-cost solution for your application.**
- **Available Functions: ON Delay, OFF Delay, INTERVAL, RECYCLE or ARBITRARY.**
- **Adjustable by customer-supplied 10K Ohm potentiometer or fixed resistor.**
- **Timing available from 0.1 seconds to hours.**
- **Fixed time ranges available in the KM Fixed Time Series.**
- **Wide variety of timing ranges and operating voltages available.**
- **Conformal coating for protection against contaminants.**

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KA Series Microtimer Specifications

- **Timing Accuracy:**

  ±1% ±50msec at 25°C, ±5% ±50msec from -20°C to +55°C.

- **Load Current:**

  12VDC to 48VDC Models: 0.5A Resistive or Inductive.

  125VDC Models: 0.2A Resistive or Inductive.

  AC Models: 0.25A Resistive or Inductive.

- **Repeatability:**

  ±0.5% at constant ambient temperature.

  ±3% from -20°C to +55°C.

- **Operating Voltage Range:**

  12VDC Models: 85% to 125% of rated voltage.

  24VDC to 125VDC Models: 85% to 110% of rated voltage.

  AC Models: 85% to 110% of rated voltage.

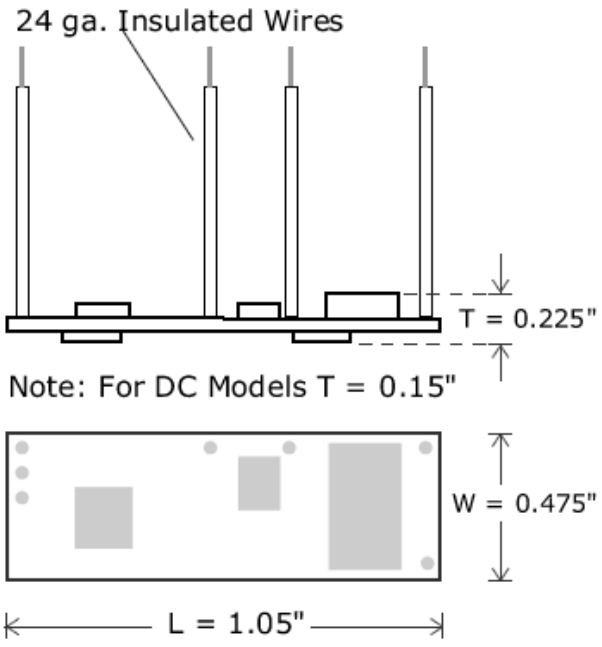
- **Temperature Range:**

  AC and DC Models: -20°C to +55°C operating, -40°C to +85°C storage.

- **Size (less leads):**

  DC Models: 1.05"L x 0.475"W x 0.15" Thick.

  AC Models: 1.05"L x 0.475"W x 0.225" Thick.



AC Microtimer Typical Dimensions

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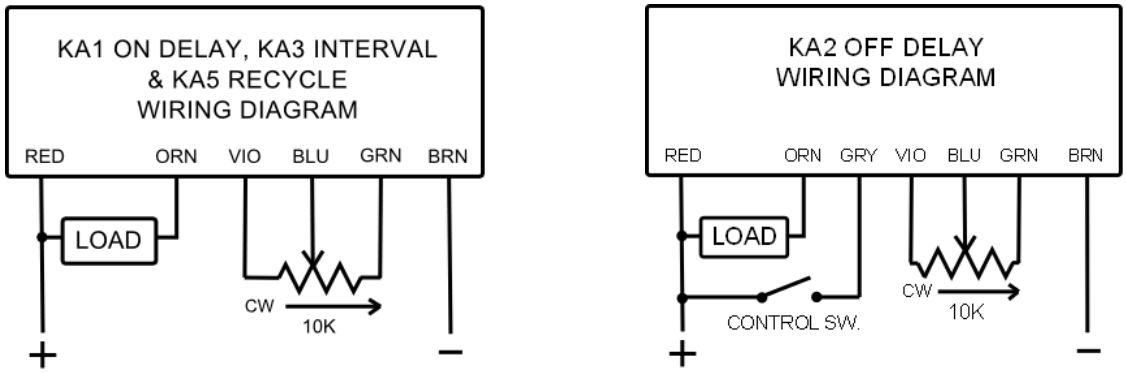
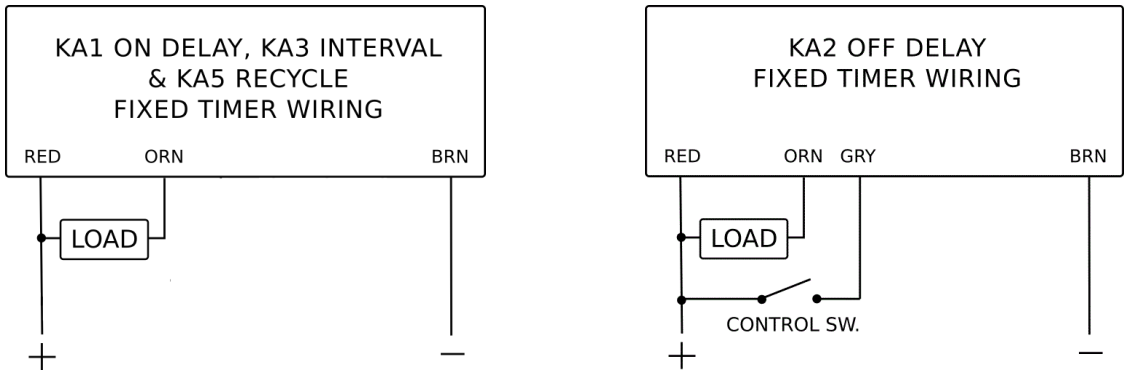
Wiring Diagrams

The ICS KA Series Microtimer is an excellent choice for controlling a relay. The external LOAD connected between the RED and ORN wires in the diagrams below is the relay coil.



Adjustable Timer Wiring.
Note: Load, Switch and 10K Potentiometer are customer-supplied.

KA Series Microtimers are also available as "fixed timers". The timing is factory pre-set with no external potentiometer required.



Fixed Timer Wiring.
Note: Load and Switch are customer-supplied.

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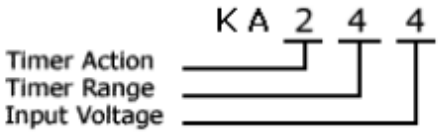
Selecting KA Series Microtimer Part Numbers. Get Action, Range and Voltage from the chart below and plug those values in as in the example.

Table 1. Part Number Selection

Timer Action:	(1) - ON Delay (2) - OFF Delay (3) - INTERVAL (5) - RECYCLE (SYMMETRICAL) (7) - ARBITRARY	
Timer Range:	Standard Timing: (1) .1 - 10 SEC. (4) 1 - 60 SEC. (2) 10 - 600 SEC. (5) 1 - 60 MIN. (3) 10 - 600 MIN. (0) SPECIAL	Nonstandard Timing: (0) - *Special *Customer defined
Input Voltage: (AC or DC)	Standard Voltage: (1) 120 VAC (2) 24 VAC (3) 120 VDC (4) 24 VDC (5) 240 VAC (8) 12 VDC (9) 36 VDC	Nonstandard Voltage: (0) - *Special *Customer defined
Order Code Example: KA244 KA = KA Series Microtimer (2) = Timer Action = OFF Delay (4) = Timer Range = 1 - 60 Seconds (4) = Input Voltage = 24 VDC		

***Options:** Fixed and Special Time ranges from 0.1 seconds to hours.

***Note: Standard Action 5 timers have equal OFF and ON times (symmetrical). SPECIAL Actions and Voltages are customer-defined.**

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Call 847-797-6678 or Submit an RFQ at www.ics-timers.com to request pricing and delivery.