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ICS KT6 Series Dual-Adjust RECYCLE TIMER

The ICS KT6 Series **RECYCLE TIMER** produces an output that alternates between energized and de-energized states at a repetitive rate. ICS RECYCLE TIMERS are also known as REPEAT CYCLE TIMERS.



- **Dual-adjustable timing circuit**
- **Compact size: 1.6" x 0.8" x 0.225"**
- **AC and DC operating voltages**
- **22 ga. solid tinned copper leads**
- **Preset fixed timing available**
- **Custom time ranges available**
- **Black conformal coating**

Specifications

Standard Timing Action: RECYCLE TIME also known as REPEAT CYCLE TIMER.

Standard Time Ranges: Includes 1 to 10 seconds, 10 to 100 seconds and more.

Delay Adjustment: Adjustable with two customer-supplied 10K Ω potentiometers.

Timing Accuracy: $\pm 1\%$ $\pm 50\text{msec}$ at 25 $^{\circ}\text{C}$, $\pm 5\%$ $\pm 50\text{msec}$ at -20 $^{\circ}\text{C}$ to +55 $^{\circ}\text{C}$.

Repeatability: $\pm 0.5\%$ at constant ambient temperature.

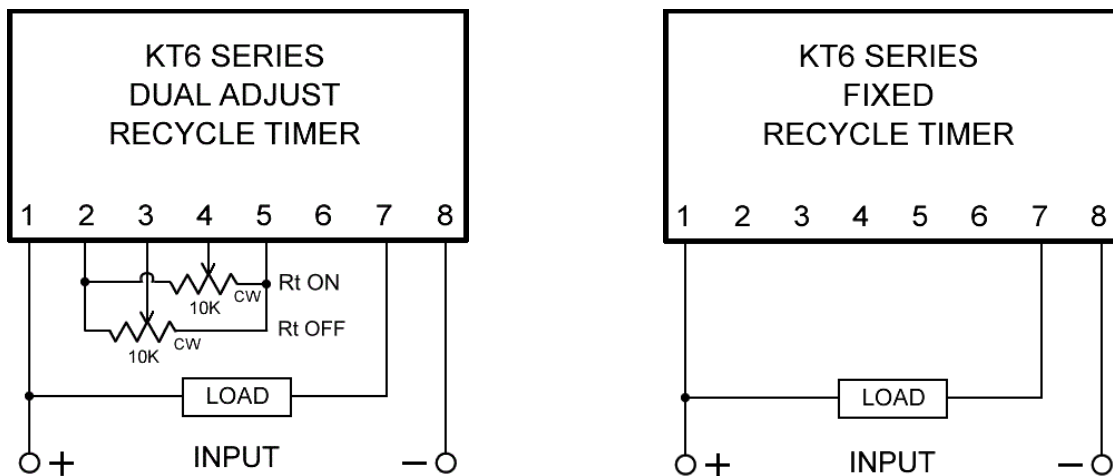
Input Voltage Range: 85% to 110% of rated voltage, 85% to 125% for 12VDC units.

Temperature Range: -20 $^{\circ}\text{C}$ to +55 $^{\circ}\text{C}$ operating, -40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$ storage.

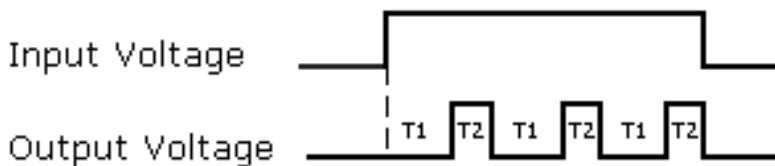
Load Current: 12VDC to 48VDC Models: 0.5A resistive or inductive. 120VDC, 120VAC and 240VAC Models: 0.2A resistive or inductive.

Size: 1.6" x 0.8" x 0.225" (Typical). **Leads:** 22 ga. solid tinned copper 1.75" long.

ICS KT6 Series Icsotimer Wiring and Timing Description



**Wiring Diagrams. Shown from the Flat Side.
Potentiometer controls are 10K Ω linear taper.
Confirm wiring is correct before applying power!**



Timing Diagram.

RECYCLE TIMER ACTION: T1 and T2 are independently adjustable. Input voltage must be applied continuously. The OFF TIME (T1) is initiated at power-up. At the end of the OFF TIME, the output is energized and the ON TIME (T2) begins. The OFF and ON TIMES cycle continuously until input voltage is removed.

Standard Action: OFF TIME is first at startup. Timer can be factory preset for either OFF or ON TIME to start first. Please specify startup preference when ordering.

**ICS KT6 Series RECYCLE TIMER
Part Number Selection**

Standard Time Ranges:

- (1)** 0.1 to 1 Second
- (4)** 1 to 10 Seconds
- (2)** 10 to 100 Seconds
- (9)** 30 to 300 Seconds
- (0)** *Special (Customer Defined)

* Special times in seconds, minutes, hours or days are available.

Fixed time ranges. Fixed timers are factory-preset and do not require external controls.

Order Code Example:

Part Number KT6428

KT6 4 2 8

KT6 = Series

(4) = OFF Time = 1 to 10 Seconds

(2) = ON Time = 10 to 100 Seconds

(8) = Input Voltage = 12VDC

Standard Input Voltages:

- (8)** 12VDC
- (4)** 24VDC
- (9)** 36VDC
- (7)** 12VAC
- (2)** 24VAC
- (1)** 120VAC
- (0)** Special (Custom)

Order Code Example:

Part Number KT6921

KT6 9 2 1

KT6 = Series

(9) = OFF TIME = 30 to 300 Seconds

(2) = ON Time = 10 to 100 Seconds

(1) = Input Voltage = 120VAC

Note. OFF TIME comes first in the part number.