



KB Series Time Delay Cube Relay with Adjustable Timing

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The **ICS KB Series Time Delay Cube Relay** is an economical, reliable and durable relay that is suitable for a wide variety of applications. Relay contacts provide up to 15A current-handling capacity at 240VAC. The time delay is adjusted with a trimmer potentiometer. Two mounting holes on the case flanges are provided. Barrier terminal blocks with clamp screw terminals make the wiring connections easy and fast.

Microcontroller-based circuitry allows precise timing with outstanding repeatability. Common timing actions include delay on break (off delay), delay on make (on delay), repeat cycle (recycle) and interval delay. Numerous input voltage options and time ranges are available. Custom models can be defined to fit a particular application.



ICS KB Series Relay

- AC Models 24, 120 and 240VAC
- DC Models 12, 24 and 120VDC
- Form A Contacts, 15A Resistive
- Wide Selection of Time Ranges
- Custom Timing Actions Offered
- Clamp Screw Terminals
- Terminals Accept 22ga to 12ga Wire

Specifications

Range of Timing Values: 0.1 seconds to hours

Timing Adjustment: Trimmer adjustment, also available as a fixed timer

Timing Accuracy: $\pm 1\% \pm 50\text{msec}$ at 25°C , $\pm 5\% \pm 50\text{msec}$ from -20°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% of rated voltage for 12VDC units

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

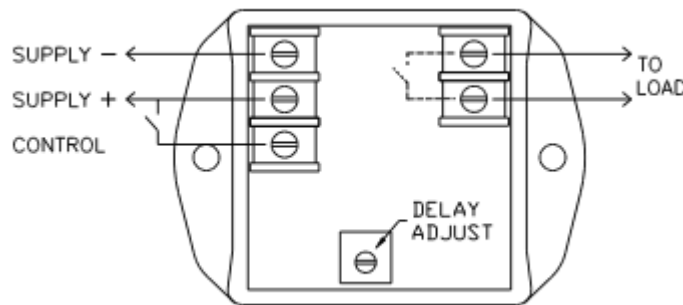
Contact Rating: SPST Contacts 15A @ 240VAC (resistive), 15A @ 28VDC (resistive)

Selecting KB Series Timer Relay Part Numbers. Get Action, Range and Voltage from the left side in the chart below and plug those values into the top row as in the example.

Sample P.N. KB241	Series	Action	Range	Voltage
	<u>KB</u>	<u>2</u>	<u>4</u>	<u>1</u>
Action: 1 - ON Delay 7 - SPECIAL 2 - OFF Delay 3 - INTERVAL 5 - RECYCLE -- (Symmetrical)				
Range (Sec.) 1 - 0.1-1S 0 - SPECIAL 4 - 1-10S 2 - 10-100S 9 - 30-300S				
Voltage (AC): Voltage (DC): 1 - 120VAC 4 - 24VDC 0 - SPECIAL 2 - 24VAC 8 - 12VDC 5 - 240VAC 3 - 120VDC				

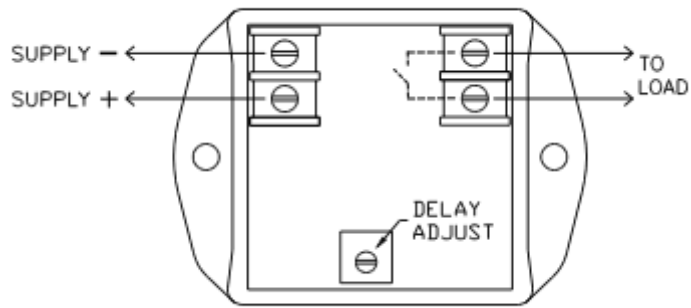
* Note: Action 5 timers have equal OFF and ON times (symmetrical). See the [Timing Actions](#) page for full descriptions of Timing Actions. SPECIAL Actions and Voltages are customer-defined.

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

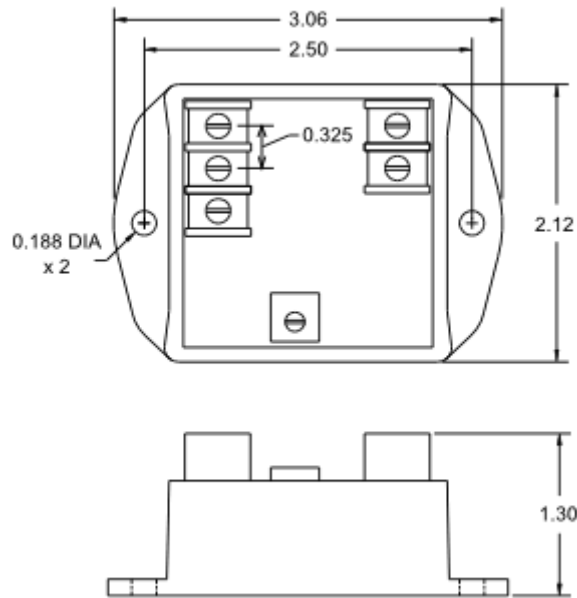


OFF DELAY Wiring.

Note. External Control switch for OFF Delay is customer-supplied.



ON DELAY, INTERVAL and RECYCLE Wiring.



DIMENSIONS in Inches.

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