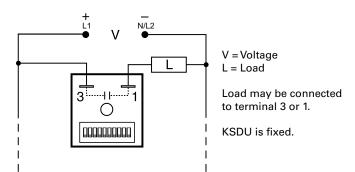
KSDU SERIES





Wiring Diagram



Ordering Information

MODEL	INPUT VOLTAGE	ADJUSTMENT	TIME DELAY
KSDU8120	24 to 120VAC/DC	Fixed	20s
KSDU811200	24 to 120VAC/DC	Fixed	1200s

If you don't find the part you need, call us for a custom product 800-843-8848

Description

The KSDU Series are encapsulated solid-state, delay-on-make timers that combine digital timing circuitry with universal voltage operation. The KSDU Series is factory fixed from 0.1s to 10,230s and does not include the DIP switch. These series are excellent choices for process control systems and OEM equipment.

Operation (Delay-on-Make)

Upon application of input voltage, the time delay begins. The output is de-energized before and during the time delay. At the end of the time delay, the output energizes and remains energized until input voltage is removed.

Reset: Removing input voltage resets the time delay and output.

Features & Benefits

FEATURES	BENEFITS	
Universal Voltage	24 to 240VAC/DC in 2 ranges	
Digital Integrated Circuitry	Repeat accuracy + / - 5%	
1A Steady, 10A inrush solid-state output	Provides 100 million operations in typical conditions.	
Totally solid state and encapsulated	No moving parts to arc and wear out over time and encapsulated to protect against shock, vibration, and humidity	
2 terminal design	Provides series connection for easy installation	

Accessories



P1023-6 Mounting bracket

The 90° orientation of mounting slots makes installation/removal of modules quick and easy.



P1015-64 (AWG 14/16) **Female Quick Connect** These 0.25 in. (6.35 mm) female terminals are constructed with an insulator barrel to provide



P1015-18 Quick Connect to Screw Adapter

Screw adapter terminal designed for use with all modules with 0.25 in. (6.35 mm) male quick connect terminals.



C103PM (AL) DIN Rail

strain relief.

35 mm aluminum DIN rail available in a 36 in. (91.4 cm) length.



P1023-20 DIN Rail Adapter

Allows module to be mounted on a 35 mm DIN type rail with two #10 screws.



KSDU SERIES

Specifications

Time Delay

Type Digital integrated circuitry Range*

Fixed Fixed from 0.1s - 10230s

Repeat Accuracy ±0.5% or 20ms, whichever is greater

Tolerance

(Factory Calibration) $\pm 10\%$ Recycle Time ± 150 ms

Time Delay vs Temp.

& Voltage $\pm 5\%$

Input

Voltage 24 to 120VAC/DC; 100 to 240VAC/DC

 $\begin{array}{ll} \textbf{AC Line Frequency} & 50/60 \ \text{Hz} \\ \textbf{Tolerance} & \pm 20\% \end{array}$

Output

Type Solid state

Form NO, open during timing

Maximum Load Current 1A steady state, 10A inrush at 60°C

Protection

Circuitry Encapsulated

Dielectric Breakdown ≥ 2000V RMS terminals to mounting surface

Insulation Resistance ≥100 MΩ

Mechanical

Mounting Surface mount with one #10 (M5 x 0.8) screw

Dimensions H 50.8 mm (2.0"); **W** 50.8 mm (2.0");

D 30.7 mm (1.21")

Termination 0.25 in. (6.35 mm) male quick

connect terminals

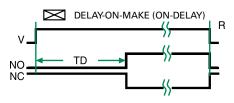
Environmental

Operating/Storage

Temperature -40° to 60°C / -40° to 85°C Humidity 95% relative, non-condensing

Weight $\approx 2.4 \text{ oz } (68 \text{ g})$

Function Diagram



Time

^{*} For CE approved applications, power must be removed from the unit when a switch position is changed.