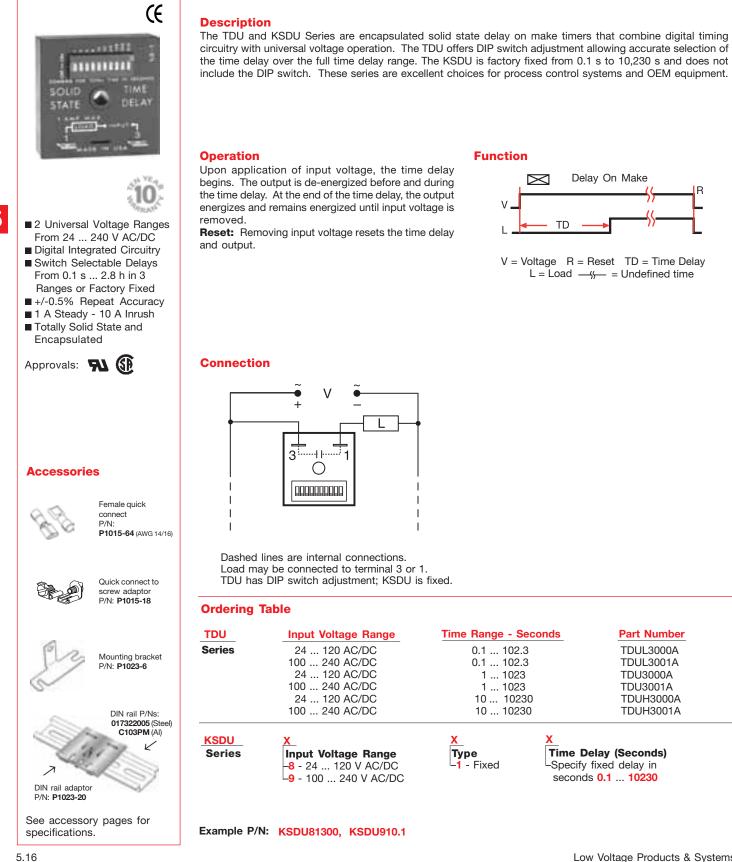
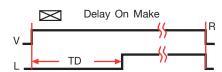
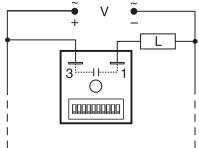
## **Delay On Make (Operate) TDU, KSDU Digi-Set Timing Modules**



#### **Function**



V = Voltage R = Reset TD = Time Delay  $L = Load \longrightarrow = Undefined time$ 



Load may be connected to terminal 3 or 1. TDU has DIP switch adjustment; KSDU is fixed.

	Ordering Table			
	TDU	Input Voltage Range	Time Range - Seco	nds Part Number
A	Series	24 120 AC/DC	0.1 102.3	TDUL3000A
Mounting bracket P/N: P1023-6		100 240 AC/DC	0.1 102.3	TDUL3001A
1711110200		24 120 AC/DC	1 1023	TDU3000A
		100 240 AC/DC	1 1023	TDU3001A
		24 120 AC/DC	10 10230	TDUH3000A
DIN rail P/Ns: 017322005 (Steel)		100 240 AC/DC	10 10230	TDUH3001A
C103PM (Al)	KSDU	<u>X_</u>	x	x
AT Y K	Series	Input Voltage Range	Туре	Time Delay (Seconds)
200		-8 - 24 120 V AC/DC	-1 - Fixed	-Specify fixed delay in
		└-9 - 100 240 V AC/DC		seconds 0.1 10230
daptor 2 <b>3-20</b>				
essory pages for				
tions.	Example P/N	KSDU81300, KSDU910.1		
				Low Voltage Products & System
009C0201	ABB Inc. • Sal	es Information 1-888-385-1221 •	Technical Assistance 1-8	800-377-SSAC (7722) • www.ssac.con

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TDKSDUB1

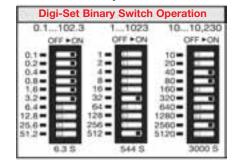
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# **Delay On Make (Operate)** TDU, KSDU Digi-Set Timing Modules

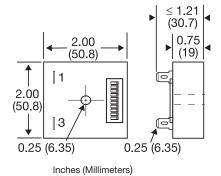
#### **Technical Data**

Time Delay Type Range* Adjustable (TDU) Fixed (KSDU) Repeat Accuracy Tolerance (Factory Calibration)	Digital integrated circuitry 0.1 102.3 s in 0.1 s increments 1 1023 s in 1 s increments 10 10230 s in 10 s increments Fixed from 0.1 s10,230 s +/-0.5% or 20 ms, whichever is greater +/-10%	* For CE approved applications, power must be removed from the unit when a switch position is changed.
Recycle Time Time Delay vs. Temperature & Voltage	≤ 150 ms +/-5%	
Input Voltage Line Frequency	24 120 V AC/DC 100 240 V AC/DC 50 60 Hz	
Tolerance	+/-20%	
Output Type Form Maximum Load Current Minimum Holding Current Voltage Drop	Solid state Normally Open, open during timing 1 A steady state, 10 A inrush at 60°C 40 mA ≅ 2.5 V at 1 A	
<b>Protection</b> Circuitry Dielectric Breakdown Insulation Resistance	Encapsulated $\geq$ 2000 V RMS terminals to mounting surface $\geq$ 100 M $\Omega$	
Mechanical Mounting Package Termination	Surface mount with one #10 (M5 $\times$ 0.8) screw 2 $\times$ 2 $\times$ 1.21 in. (50.8 $\times$ 50.8 $\times$ 30.7 mm) 0.25 in. (6.35 mm) male quick connect terminals	
Environmental Operating Temperature Storage Temperature Humidity Weight	-40°C +60°C -40°C +85°C 95% relative, non-condensing ≅ 2.4 oz (68 g)	

## **TDU Adjustment**



## **Mechanical View**



Adjustment Switches Shown Not Included on KSDU Series.

# TDKSDUB1 06.09.04

Low Voltage Products & Systems

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