RELAYS & CONTACTORS

DELAY-ON-BREAK TIMING RELAYS

KRDB. KSDB. TDUB SERIES



DESCRIPTION

The KRDB Series is a compact time delay relay measuring only 2 in. (50.8 mm) square. Its microcontroller timing circuit provides excellent repeat accuracy and stability. The KSDB Series is designed for general purpose commercial and industrial applications where a small, cost effective, reliable solid-state timer is required. This series is designed for popular AC and DC voltage. The TDUB Series combines digital timing circuitry with universal voltage operation and offers DIP switch selectable time delays ranging from 0.1 seconds to 102.3 minutes in three ranges.

FEATURES

- · Onboard adjustment knob
- 1A solid state or Isolated 10A output
- Compact 2" x 2" sizing
- · Wide voltage and timing ranges







KRDB421

Approvals

KSDB421

TDUB3000A







COMMON SPECIFICATIONS

Operating Temperature -40° to 140°F (-40° to 60°C)

Storage Temperature

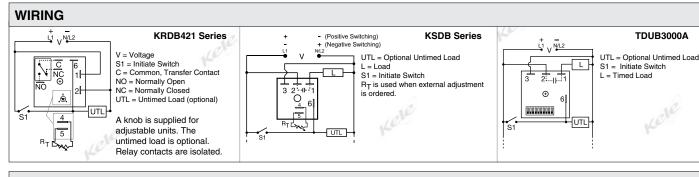
KRDB/TDUB -40° to 185°F (-40° to 85°C) -40° to 176°F (-40° to 80°C) **KSDB Operating Humidity** 95% RH non-condensing

Mounting Surface mount with one #10 screw **Dimensions**

2"W x 2"H x 1.21"D

(5.08 x 5.08 x 3.07 cm) CE, CSA, UR File #E57310

10 years Warranty



INDIVIDUAL SPECIFICATIONS						
	KRDB Series	KSDB Series	TDUB Series			
Supply Voltage	12 or 24 VDC; 24 or 120 VAC	12 or 24 VDC; 24 or 120 VAC	24 to 120 VAC, 100 to 240 VAC, 12 to 24 VDC			
Output Type	Isolated Relay Contacts	Solid State	Solid State			
Output Form	SPDT	NO, closed before & during timing	NO, closed before & during timing			
Output Rating	10A resistive @ 125VAC; 5A resistive @ 28VDC; 1/4 hp @ 125VAC (@ 40°C)	1A steady state, 10A inrush @ 60°C	1A steady state, 10A inrush @ 60°C			
Timing Range	0.1s-1000m in 6 adjustable ranges	0.1s-1000m in 6 adjustable ranges	1-1023s in 1s increments			
Repeat Accuracy	±0.5% or 20ms, whichever is greater	$\pm 0.5\%$ or 20ms, whichever is greater	±0.5% or 20ms, whichever is greater			
Timing Tolerance	≤±5%	≤±5%	≤ ±5%			
Reset Time	≤150ms	≤ 150ms	≤ 150ms			
Circuitry Protection	Encapsulated	Encapsulated	Encapsulated			
Isolation Voltage	≥1500V RMS input to output	≥2000V RMS terminals to mounting surface	≥2000V RMS terminals to mounting surface			
Insulation Resistance	≥100 MΩ	≥100 MΩ	≥100 MΩ			
Termination	0.25 in (6.35mm) Male quick connect terminals	0.25 in (6.35mm) Male quick connect terminals	0.25 in (6.35mm) Male quick connect terminals			
Weight	0.16lb (0.08Kg)	0.15lb (0.07Kg)	0.15lb (0.07Kg)			

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DELAY-ON-BREAK TIMING RELAYS

KRDB, KSDB, TDUB SERIES

ORDERING INFORMATION

MODEL	DES	CRIPT	ION			
(RDB		pact delay on break timer				
SDB		eral purpose delay on break timer				
DUB			oltage and DIP switch selectable delay on break time			
			TAGE RANGE			
	1		DC (K Series only)			
	2	_	AC (K Series only)			
	3	_	DC (K Series only)			
	4	_	120 VAC (K Series only)			
			120 VAC (TDUB series only)			
			100 to 240 VAC (TDUB series only)			
	3002					
			USTMENT			
		2	Onboard adjustment knob (K series only)			
		blanl	k Leave blank for T Series			
			TIME DELAY/RANGE			
			1 to 10 seconds (K series only)			
			1 1 to 100 seconds (K series only)			
			2 10 to 1000 seconds (K series only)			
			3 .1 to 10 minutes (K series only)			
			4 1 to 100 minutes (K series only)			
			5 10 to 1000 minutes (K series only)			
			A 1 to 1023 seconds (TDUB series only)			
KRDB -	4	- 2	- Example: KRDB421 Compact delay on break timer relay, 24 VAC, w/adjus 1 to 100 seconds			

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