

Accurate General Purpose Timers

KSD1, KSD2, KSDB, KSDS Series

Solid State Output Timing Modules

Timing Modules

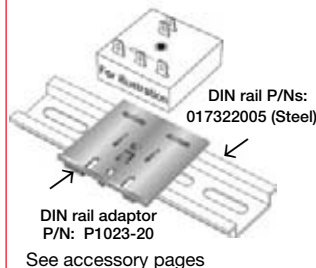
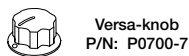


- Adjustable Delays from 0.1 s ... 10 min in 3 Ranges
- +/-0.5% Repeat Accuracy
- +/-5% Factory Calibration
- 1 A Solid State Output
- Encapsulated

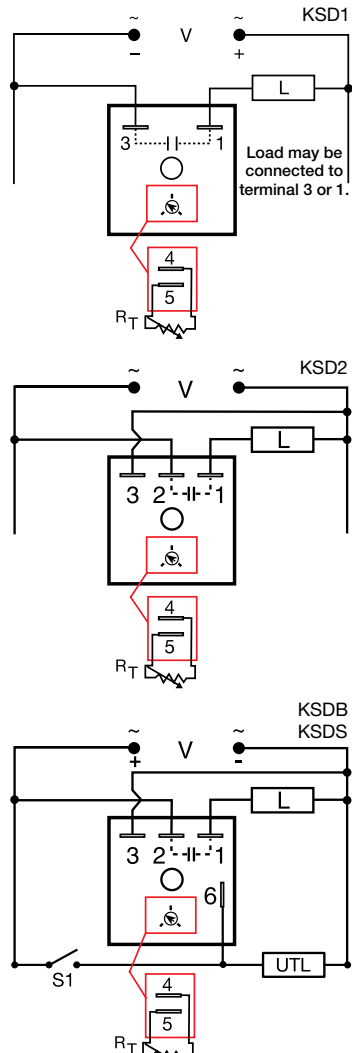
Complete Product Details:
<http://www.ssac.com/pp1.htm>



Accessories

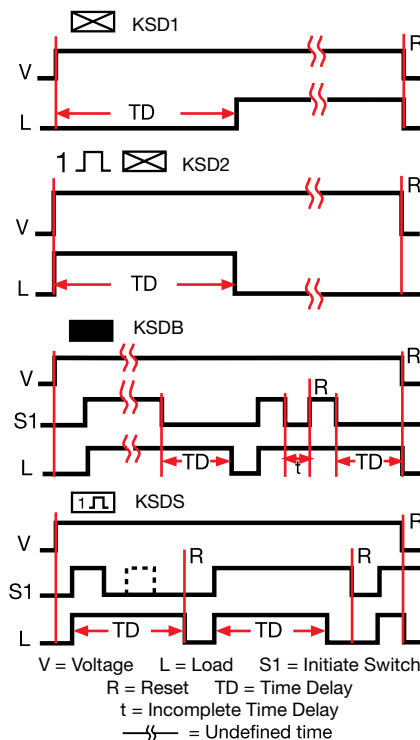


Connection



These timing modules are designed for general purpose commercial and industrial applications where a small, cost effective, reliable solid state timer is required. The output is rated 1 A steady and 10 A inrush typically provides 100 million operations. The modules are totally solid state and encapsulated to protect the electronic circuitry.

Function



A knob is supplied for adjustable units, or RT terminals for 4 & 5 for external adjustment. Select a 100K ohm potentiometer for full time range adjustment. The untimed load UTL is optional. Dashed lines are internal connections.

Technical Data

Output	
Maximum Load Current	1 A steady state, 10 A inrush at 60°C
Minimum Holding Current	(KSD1 only) ≤ 40 mA
OFF State Leakage Current	(KSD1 only) ≅ 7 mA at 230 V AC (all others) ≅ 5 mA at 230 V AC
Mechanical	
Mounting Package Termination	Surface mount with one #10 (M5 x 0.8) screw 2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm) 0.25 in. (6.35 mm) male quick connect terminals

Ordering Table

Part Number	Time Delay	Adjustment	Function	Voltage	Accuracy
KSD1420	0.1...10 S	External	Delay on Make (ON delay)	120 V AC	0.5% or 20mS
KSD1421	1...100 S				0.5%
KSD1423	0.1...10 M				0.5% or 20mS
KSD1430	0.1...10 S	Onboard Adjust	Interval (Single pulse)		0.5%
KSD1431	1...100 S				0.5% or 20mS
KSD1433	0.1...10 M				0.5%
KSD2420	0.1...10 S	External	Delay on Break (OFF delay)		0.5%
KSD2421	1...100 S				0.5% or 20mS
KSD2423	0.1...10 M				0.5%
KSD2430	0.1...10 S	Onboard Adjust	Single Shot (One shot)		0.5%
KSD2431	1...100 S				0.5% or 20mS
KSD2433	0.1...10 M				0.5%
KSDB420	0.1...10 S	External	Single Shot (One shot)		0.5%
KSDB421	1...100 S				0.5% or 20mS
KSDB423	0.1...10 M				0.5%
KSDB430	0.1...10 S	Onboard Adjust	Single Shot (One shot)	0.5%	
KSDB431	1...100 S			0.5% or 20mS	
KSDB433	0.1...10 M			0.5%	
KSDS420	0.1...10 S	External	Single Shot (One shot)	0.5%	
KSDS421	1...100 S			0.5% or 20mS	
KSDS423	0.1...10 M			0.5%	
KSDS430	0.1...10 S	Onboard Adjust	Single Shot (One shot)	0.5%	
KSDS431	1...100 S			0.5% or 20mS	
KSDS433	0.1...10 M			0.5%	

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