Timer KSPS Series



The KSPS Series is a factory programmed module available in any 1 of 14 standard functions. The KSPS offers a single, fixed, externally or onboard adjustable time delay. The 1A steady, 10A inrush rated solid-state output provides 100 million operations typical. Its microcontroller timing circuit provides excellent repeat accuracy and stability. Encapsulation protects against shock, vibration, and humidity. The KSPS Series is a cost effective approach for OEM applications that require small size and solid state reliability.

See Appendix B, page 165, Figure 1 for dimensional drawing.

Features:

- · Choose 1 of 14 standard functions
- Special time ranges & functions available
- Factory programmed
- Microcontroller circuitry, ±0.5% repeat accuracy
- · Solid-state output 1A steady, 10A inrush
- Fixed, external, or onboard adjustment
- 12 to 240V in 3 options
- Delays from 0.1s 1000h in 9 ranges

Approvals: (E R)

Auxiliary Products:

• External ad just potentiometer:

P/N: P1004-95 P/N: P1004-95-X

- Versa-knob: P/N: P0700-7
- Female quick connect:

P/N: P1015-64 (AWG 14/16)

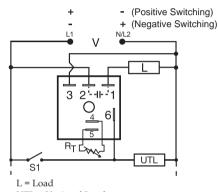
- Quick connect to screw adaptor: P/N: P1015-18
- **DIN rail:** P/N: C103PM (AI)
- DIN rail adaptor: P/N: P1023-20

Available Models:

KSPS121TS KSPSA24US KSPS124PS KSPSN110SI KSPS2180SB KSPSN21B KSPS3115SRE KSPSP110SI KSPSA21FT KSPSP145SM KSPSA23SD KSPSP160MB KSPSA24B

If desired part number is not listed, please call us to see if it is technically possible to build.

Connection:

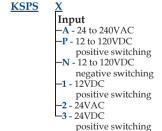


UTL = Untimed Load

V = Voltage

S1 = Initiate Switch

Order Table:



<u>x</u>	
Adjustment	
−1 - Fixed	
−2 - Onboard adjust	
−3 - External adjust	

-2 -3

	<u>X</u>
me Delay*	Function -Specify function
- 0.1 - 10s	LSpecify function
- 1 - 100s	Functions:
- 10 - 1000s	
- 0.1 - 10m	M, B, RE, RD, S, SD,
- 1 - 100m	FT I, TS, US, UB, AM,
- 10 - 1000m	PS, PSD
- 0.1 - 10h	*If fixed delay is selected, insert
- 1 - 100h	delay (0.1-1000) followed by (S)
- 10 - 1000h	secs., or (M) mins., or (H) hrs.

For a complete list of functions with descriptions and diagrams, see Appendix A - Timer Functions, pages 156-164.

Specifications

Pecifications	
Time Delay Type Range. Repeat Accuracy Tolerance (Factory Calibration). Reset Time. Initiate Time Time Delay vs Temp. & Voltage. Input	0.1s - 1000h in 9 adjustable ranges or fixed ±0.5% or 20ms, whichever is greater ≤ ±2% ≤ 150ms ≤ 20ms; ≤ 1500 operations per minute
Voltage. Tolerance. AC Line Frequency / DC Ripple Power Consumption Output	≤±15% 50/60Hz / ≤10% AC≤2VA; DC≤1W
Type Rating	

Voltage Drop	
Circuitry	. Encapsulated
Dielectric Breakdown	
Insulation Resistance	. ≥ 100 MΩ
Polarity	. DC units are reverse polarity protected
Mechanical	
Mounting	. Surface mt. with one #10 (M5 x 0.8) screw
Dimensions	
Termination	
Environmental	, , ,
Operating / Storage Temperature	40° to 60°C / -40° to 85°C
Humidity	. 95% relative, non-condensing
Weight	