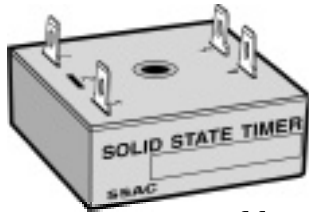


## Digital Timing Modules

✓ Accurate, Reliable Digital Timing For OEM Equipment

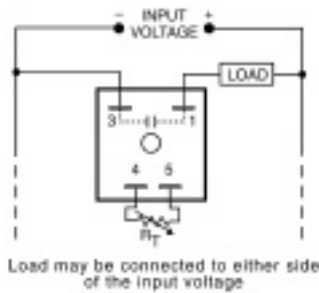
# 10

# TIMERS & FLASHERS



2.0" x 2.0" x 1.21" (51x51x31mm) Pending

Fig. 1



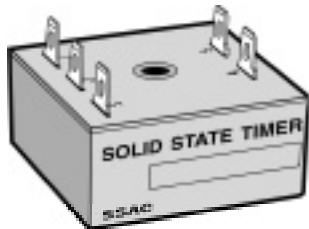
### KSD Series, 1 Amp Timing Modules

- Digital Circuitry ±0.5% Accuracy
- 1 Sec. to 100 Minutes in 2 Ranges
- External Adjustment
- AC and DC Input Voltages
- 1 Amp Steady - 10 amps Inrush
- Totally Solid State - Encapsulated

**Description:** SSAC general purpose timing modules are a combination of digital accuracy and cost effective quality construction. These timers are an excellent choice for most OEM equipment applications. Their 1 amp rated solid state output can switch relays, contactors, valves and solenoids for millions of operations. For 35mm DIN Rail mounting, order part number P1023-20 adaptor.

Mode	Figure	Voltage	Time Delay	Part Number	Accessory VTP P/N
Delay on Make	1	12VDC	1 to 100 S	KSD1121	VTP2G
		24VDC	1 to 100 S	KSD1321	
		24VAC	1 to 100 S	KSD1221	
		120VAC	1 to 100 S	KSD1421	
		120VAC	1 to 100 M	KSD1424	
Delay on Break	2	120VAC	1 to 100 S	KSD1621	VTP2G
			1 to 100 M	KSD1624	VTP2G
Single Shot	2	120VAC	1 to 100 S	KSD421	VTP5G
Interval	3	120VAC	1 to 100 M	KSD424	VTP5P
			1 to 100 S	KSDS421	VTP5P
Recycling on 1st	3	120VAC	1 to 100 S	KSD2421	VTP2G
			1 to 100 S	KSD3421A	

Other options and voltages available



2.0" x 2.0" x 1.51" (51x51x38mm) Pending

Fig. 2

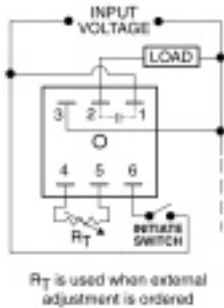
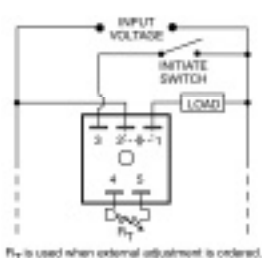


Fig. 3



### THD Series, Power Timing Modules

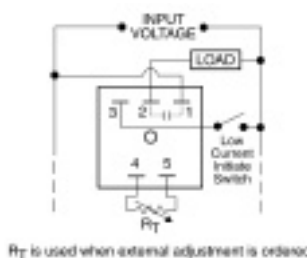
- Digital Circuitry ±0.5% Accuracy
- Up to 20 Amps Steady State - 200 Amps Inrush
- 1 Sec. to 100 Minutes in 2 Ranges
- 24 or 120VAC Input Voltages
- Totally Solid State - Encapsulated
- External Adjustment

**Note:** Units with over 1 amp output rating must be mounted to a metal surface. The back of these units has a metal heat transfer plate. The maximum heat transfer plate temperature is 90 degrees C. Heat sink grease is included with each unit.

Mode	Figure	Voltage	Output Rating	Time Delay	Part Number	Accessory VTP P/N
Delay on Make	4	24VAC	10 A	1 to 100 S	THD1B221	VTP5G
		120VAC	10 A	1 to 100 S	THD1B421	
		120VAC	20 A	1 to 100 S	THD1C421	
		120VAC	10 A	1 to 100 M	THD1B424	
Delay on Break	2	120VAC	10 A	1 to 100 S	THDB421B	VTP5G
			10 A	1 to 100 M	THDB424B	VTP5P
Single Shot	2	120VAC	10 A	1 to 100 S	THDS421B	VTP5G
Interval	3	120VAC	10 A	1 to 100 S	THD2B421	
			10 A	1 to 100 S	THD3B42A1	

Other options and voltages available

Fig. 4



### Accessory:

#### PLUG-ON ADJUST MODULE

**VTP Module**  
Pushes on Adjustment\*  
Terminals Quick,  
Easy, Cost  
Effective

.99" x 1.26" x .80"  
(25.1x32x 20.3mm)

