

Timing Mode: **REPEAT CYCLE, OFF/ON DELAY**

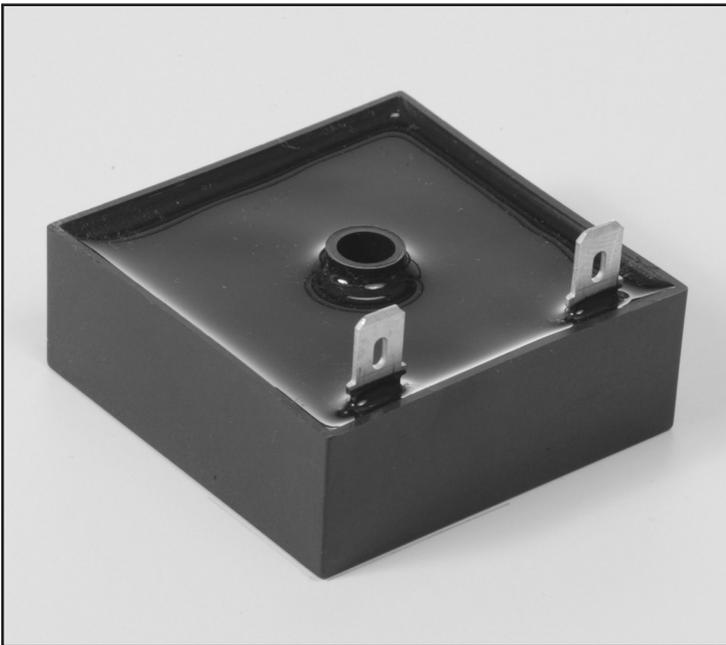
Category: **SOLID STATE TIMER**

Series: **THK**

CUBE SOLID STATE, FLASHER, 1 AMP



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THK Timers / Flashers

THK timers are solid state output units with digital timing. The TH comes in a 2" square case.

Ease of installation and hook-up is a primary design benefit. All models with integral time adjustment knob or factory-fixed time require only two connections. They may be wired in-line just like a single pole switch.

Units with external time adjustment have two additional terminals for the resistor or potentiometer.

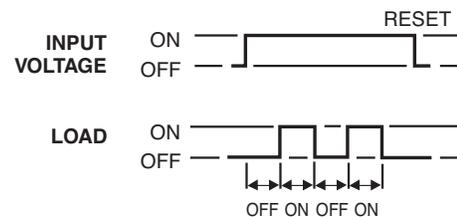
Timing Mode

Application of input voltage to the timer starts the "Off" time delay.

At the end of the "Off" time delay, the "On" time delay starts, and the load is energized.

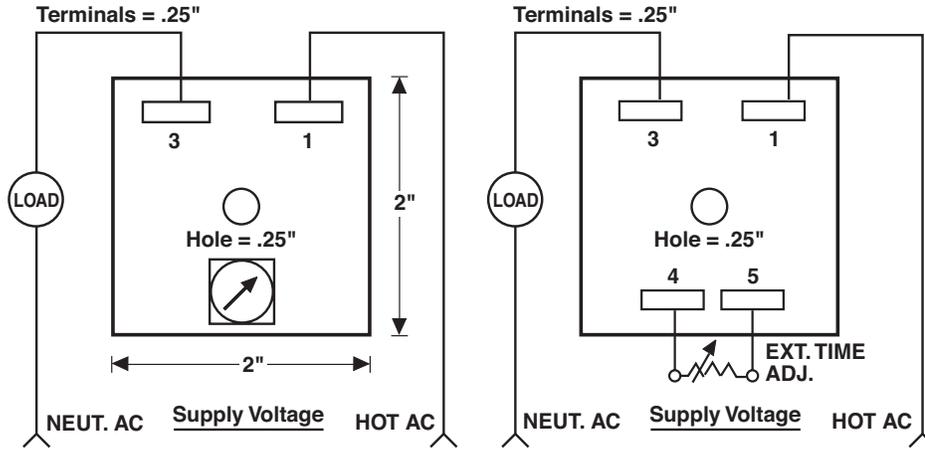
At the end of the "On" time delay, the load is de-energized, the timer returns to the "Off" time delay, and cycling continues as long as input voltage is applied.

Removal of the input voltage resets the timer.



FEATURES

- Digital timing, solid state output
- 1 Amp current load handling
- 10 Amps single-cycle surge handling
- 4 Overlapping AC voltage ranges (from 19 to 277 volts)
- $\pm 0.1\%$ Repeat accuracy
- Virtually unlimited time ranges
- Factory-fixed or variable timing adjustment
- Totally encapsulated for protection from harsh environments
- O-ring sealed exposed controls
- Single screw mounting through center mounting hole
- Standard 6.35mm (0.25") quick connect blade terminals
- 100% Operational testing before shipping
-  RoHS compliant



SPECIFICATIONS

Input Voltage: VAC: 19 thru 277, 50/60Hz
Repeat Accuracy: ±0.1% under fixed conditions
Timing Ranges: 0.1 sec. to 24 hours (1 sec., 10 sec., 100 sec., and 1000 secs. are standard.)
Special time ranges available upon request
Reset/Recycle Time: 100 milliseconds
Tolerances: Fixed: ±10% of nominal time
 (optional: ±5%, ±1%)
 Variable: -0%, +15%
 Limit: -10% at minimum time
Recycle Effect: None
Temperature Ranges:
 Storage: -40°C to +85°C
 Operating: -25°C to +65°C

Life Expectancy:
 No predictable failure if used within operating parameters
Protection:
Transient Protection: 18 joules
Dielectric Strength: 1800V RMS 60Hz
Power Requirement: 0.25 watts max.
Weight: 3 oz. (85g) maximum
Solid State Output: SPST (N.O.)
Load Current: 1 amp continuous, 10 amps single-cycle surge
Time Cycle Interrupt: Resets timer to original state (Input Voltage Break)

OPTIONS SELECTION

Mode of Operation	Series	Input Voltage	Examples of Time Ranges	Time Adjustment Method	Options
Repeat Cycle Off/On Delay	THK	1 40-140 VAC 50/60 Hz	VARIABLE TIME PERIODS 0001 .1 to 1 sec. 0010 .1 to 10 sec. 0100 1 to 100 sec. 1000 10 to 1000 sec. Any range up to 24 hours available on special order.	A Variable integral, knob on timer B Variable external, remote potentiometer timer C Fixed, internal, factory set D External, remote resistor	S Special W Wires
		2 90-260 VAC 50/60 Hz			
		3 19-48 VAC 50/60 Hz			
		8 90-277 VAC 50/60 Hz			
			FIXED TIME PERIODS Specify in seconds (S) or hours (H) Examples: 400S is 400 seconds 05H5 is 5.5 hours		

EXAMPLE THK 3 0100 S C

"TH" series timer, Repeat Cycle Off/On Delay, 24 volt AC, 100 second fixed internal, factory-set time period.

Specifications subject to change without notice.