



CUBE-SOLID STATE



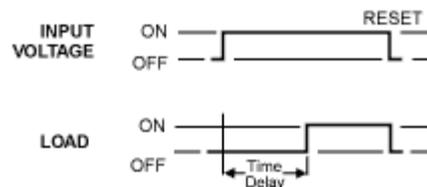
THC Timers

THC 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 time delay. At the end of the delay period, the load is energized. To reset, remove the input voltage to the timer.

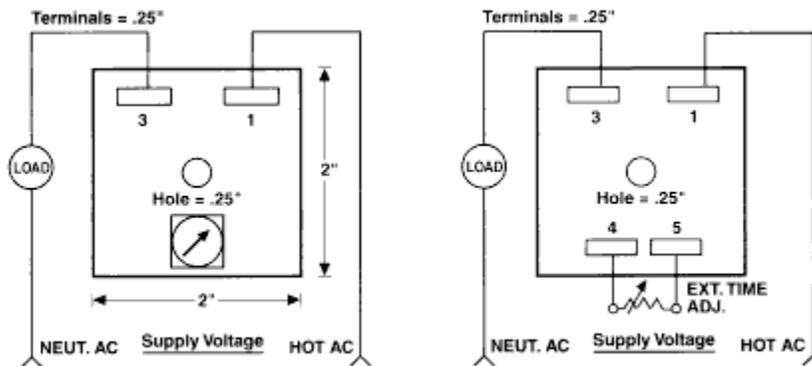


FEATURES

- ⚡ 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)
- ⚡ 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 (.250") quick connect blade terminals
- ⚡ 100% Operational testing before shipping



BASIC WIRING AND DIMENSIONS



SPECIFICATIONS

Repeat Accuracy: ±0.1% under fixed conditions

Time Ranges: 0.1 sec. to 24 hours (1 sec., 10 sec., 100 sec., and 1000 secs. are standard) Special time ranges available on request.

Reset/Recycle Time: 100 milliseconds

Tolerances: Fixed: ±10% of normal 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 +85°C

Life Expectancy: No predictable failure if used within operating parameters

Protection:

- ⚡ Polarity Protection: All DC units have reverse polarity protection
- ⚡ Transient Protection: 18 joules
- ⚡ Dielectric Strength: 1800V RMS 60 Hz

Power Requirement: .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**)

SELECTION PROCEDURE				
Mode of Operation	Series	Input Voltage	Time Ranges	Time Adjustment Method
Delay On Make	THC	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 resistors
		2 90-260 VAC 50/60 Hz	FIXED TIME PERIODS	
		3 19-48 VAC/DC 50/60 Hz	Specify time in seconds(S) or hours(H) Examples: 400S is 400 secs 05H5 is 5.5 hours	
		8 90-277 VDC 50/60 Hz		



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