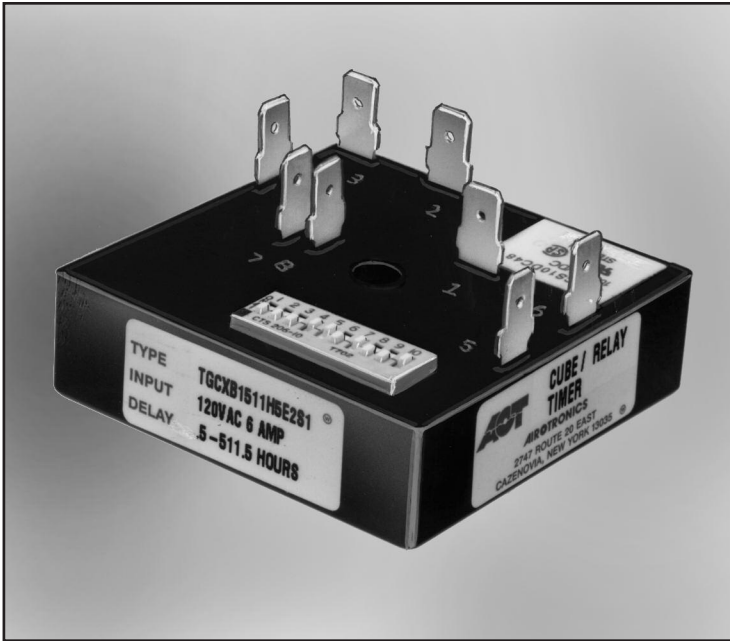


Timing Mode: **DELAY ON MAKE**
 Category: **TIMER WITH RELAY**
 Series: **TGCXB-E**

CUBE RELAY, TIME ACCUMULATING FEATURE



TGCXB-E Timers

The TGCXB-E is a unique combination of digital CMOS timing circuitry with a memory capability and a relay output.

It is ideal for applications where there is a need to keep track of elapsed time. A single unit can handle delays of up to 511.5 hours. For longer time periods, multiple units can be set up in series.

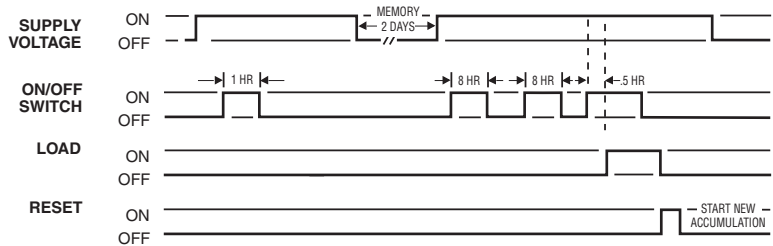
The time delay will be stored without power to the unit for up to two days.

Timing Mode


With power applied to the voltage input terminals, the time delay is started by the "On" switch. As this switch is turned on and off, the unit will accumulate each "On" period until the total time setting is reached. At that point, the relay will transfer and the load will be energized.

Activating the reset switch will repeat the process and reset the memory.

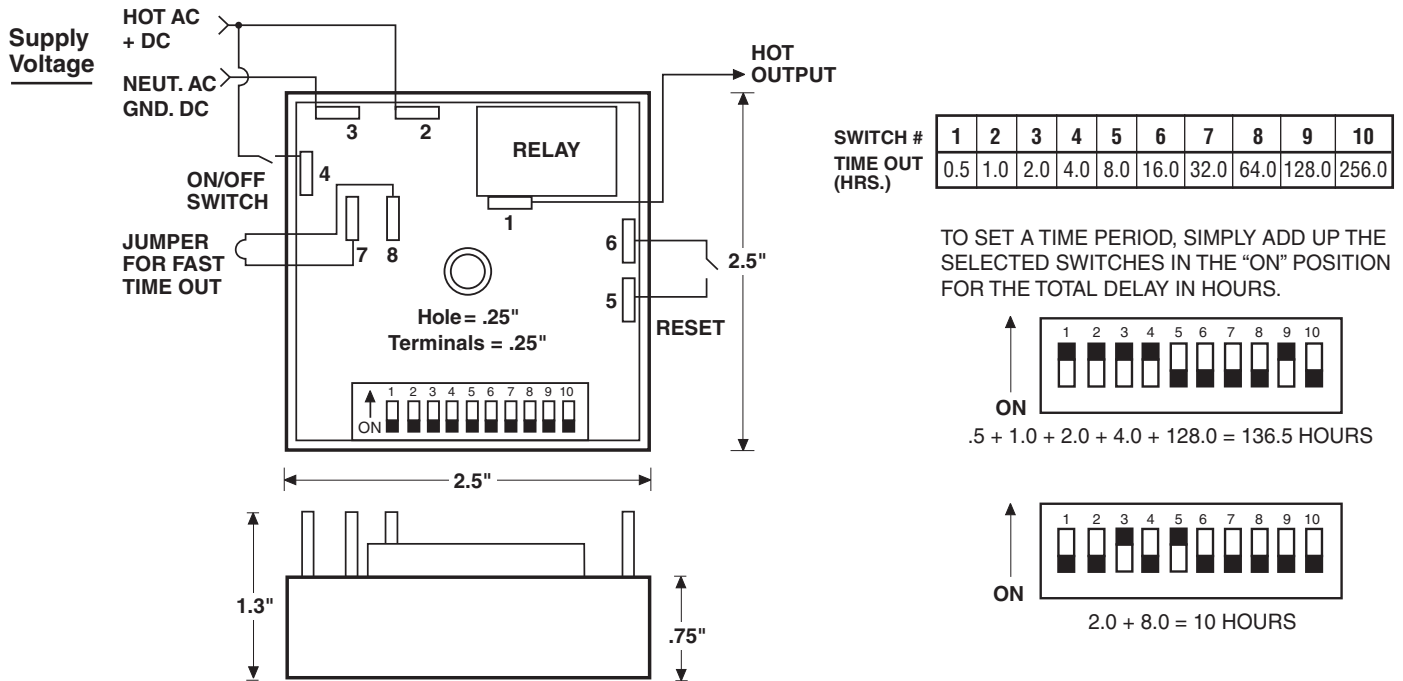
SWITCH SETTINGS 1, 2 & 6 ON = 17.5 HRS.



FEATURES

- Precise timing accuracy
- Accumulates time delays
- Retains accumulated time delays without power for two days
- Easy to program with 10-position binary dipswitch
- Easy to install with one #8 screw, 1/4" quick connects
- Relay output ratings up to 10 amps
- No leakage in N.O. position
- No heat sinking required
- Delays up to 511.5 hours in half-hour increments
- 100% Load isolation
- Transient and polarity protected
- No minimum load required
- Totally encapsulated for protection from harsh environments
- 0.5% Repeat accuracy
- 100% Operational testing before shipping
- 
- RoHS compliance available

BASIC WIRING AND DIMENSIONS



SPECIFICATIONS

Input Voltage: +20% / -10%

VDC: 12 or 24

VAC: 24, 120, 230, 50/60 Hz

Time Delay:

Timing Mode: Delay On Make

Type: Digital CMOS

Time Range: 30 mins. to 511.5 hrs.

Repeatability: ±0.5%

Setting Accuracy: ±5% or 50 milliseconds, whichever is greater

Reset Time: 100 milliseconds

Relay Life Expectancy:

Mechanical: Up to 10 million operations

Electrical: 100,000 operations at max. load

Protection:

Polarity Protection: All DC units have reverse polarity protection

Transient Protection: 18 joules

Dielectric Strength: 1800V RMS 60Hz

Temperature Ranges:

Storage: -40°C to +85°C

Operating: -25°C to +65°C

Time Adjustment: Dipswitch

OPTIONS SELECTION

Mode of Operation	Series	Input Voltage	Examples of Time Ranges	Time Adjustment Method	Relay Output Form	Options
Accumulated Delay On Make	TGCXB-E	1 120 VAC	VARIABLE TIME PERIODS 0.5 to 511.5 hours by dipswitch. Example: 511H5 is 511.5 hours.	C Factory-fixed E Dipswitch	2 SPST (N.O.)	H 10 Amps
		2 230 VAC				
		3 24 VAC	FIXED TIME PERIODS Specify time in full hours followed by the letter "H" and the decimal amount of the main time unit. Examples: 5H5 is 5.5 hours			
		4 24 VDC				
		7 12 VDC				

Specifications subject to change without notice.