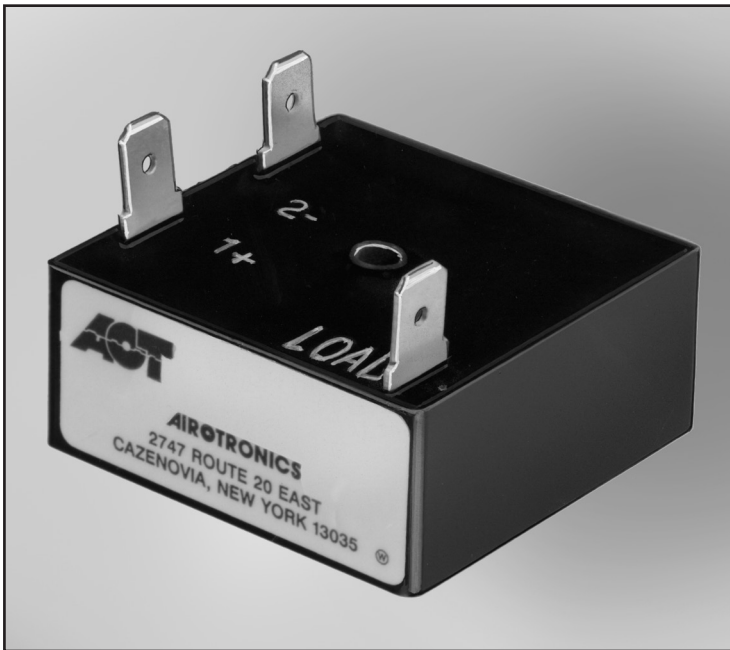


Timing Mode: **DELAY ON MAKE**
Category: **SOLID STATE TIMER**
Series: **TBC**

MINIATURE CUBE SOLID STATE, DC VOLTAGE

PELCO COMPONENT TECHNOLOGIES • 855 227 3526



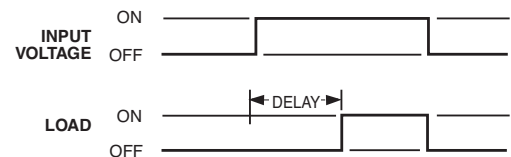
TBC Miniature Timers

TBC timers are solid state output units with digital timing and come in a 1⁵/₈" square case.

Ease of installation and hook-up is a primary design benefit. All models are available with integral time adjustment knob or factory-fixed time, and require only three connections.

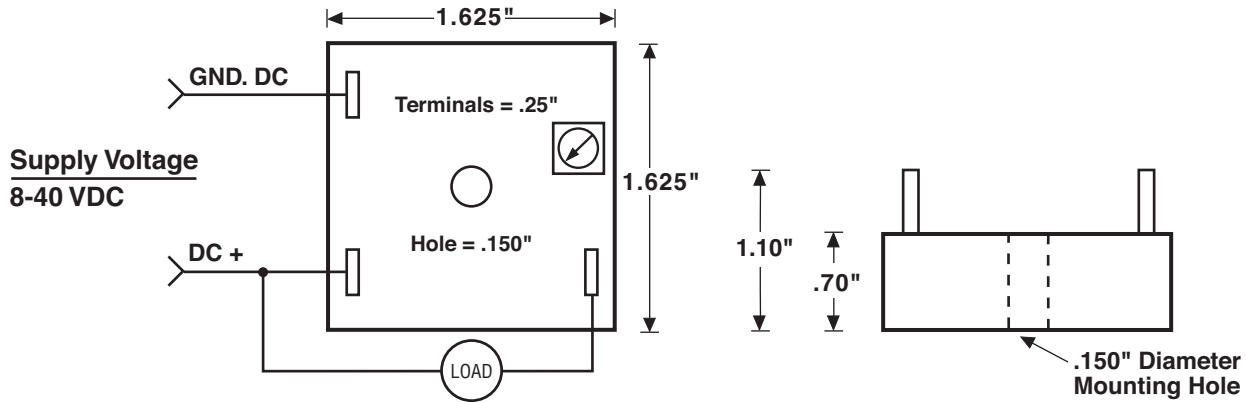
Timing Mode

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 MOSFET output
- 1 Amp current load handling
- 10 Amps 100 ms (millisecond) surge handling
- Higher current available
- Wide DC voltage range
- ± 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

Repeat Accuracy: $\pm 0.1\%$ under fixed conditions
Timing Ranges: 0.05 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: $\pm 10\%$ of nominal time
 (optional: $\pm 5\%$, $\pm 1\%$)
 Variable: -0%, +15%
 Limit: -10% at minimum time
Recycle Effect: None
Temperature Ranges:
 Storage: -40°C to $+85^{\circ}\text{C}$
 Operating: -25°C to $+65^{\circ}\text{C}$
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 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
 100 ms surge
Higher current available
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
Delay On Make	TBC	4 8-40 VDC	VARIABLE TIME PERIODS 0001 .05 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.	A Variable integral, knob on timer C Fixed, internal, factory set	W Wires S Special
			FIXED TIME PERIODS Specify in seconds (S) or hours (H) Examples: 400S is 400 seconds 05H5 is 5.5 hours		

EXAMPLE TBC 4 0100 S C This is a "TB" series timer, Delay On Make, 24 volt DC, 100 second fixed internal, factory-set time period. Specifications subject to change without notice.