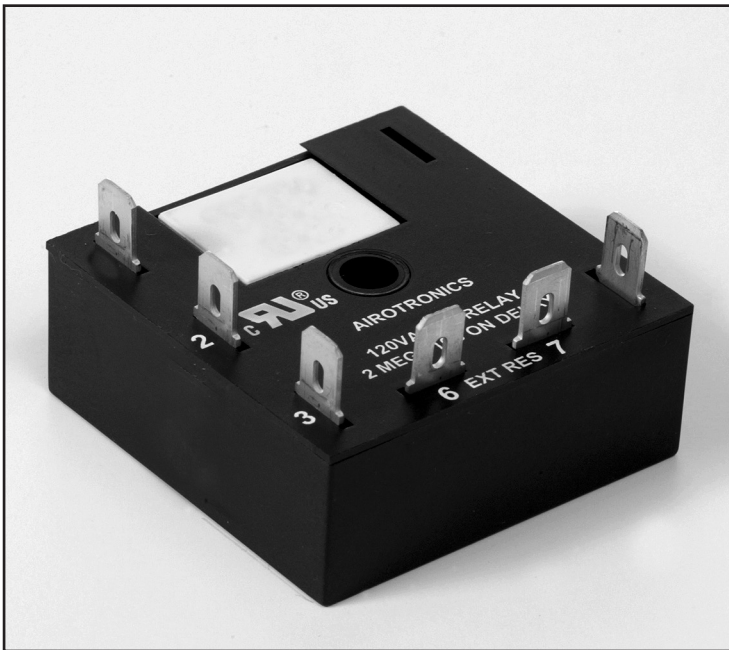


Timing Mode: **INTERVAL ON**  
Category: **TIMER WITH RELAY**  
Series: **TGL**

## CUBE RELAY, 10-30 AMPS



PELCO COMPONENT TECHNOLOGIES • 855 227 3526



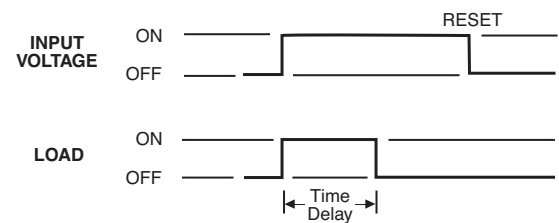
### TGL Timers

TGL series Cube Relay Interval On timers are a unique combination of digital CMOS timing circuitry with a relay output in a compact 2" x 2" configuration.


These units provide the same functional performance as plug-in relay timers, but at significant cost savings.

### Timing Mode

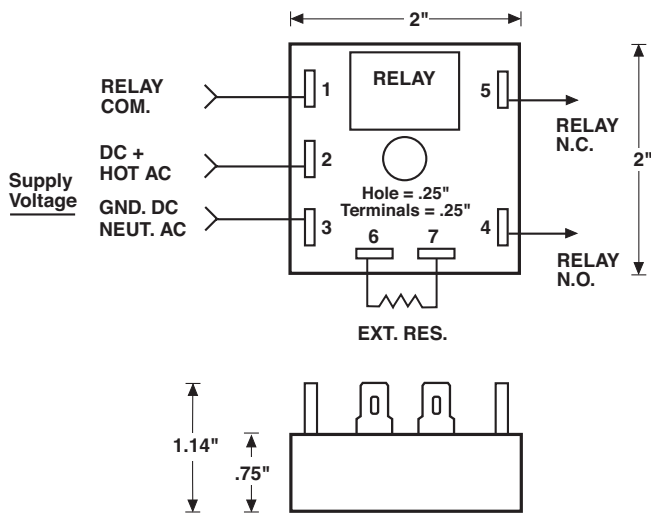
Application of input voltage to the timer energizes the load and starts the time delay. At the end of the time delay, the load is de-energized. Removal and re-application of input voltage resets the timer.



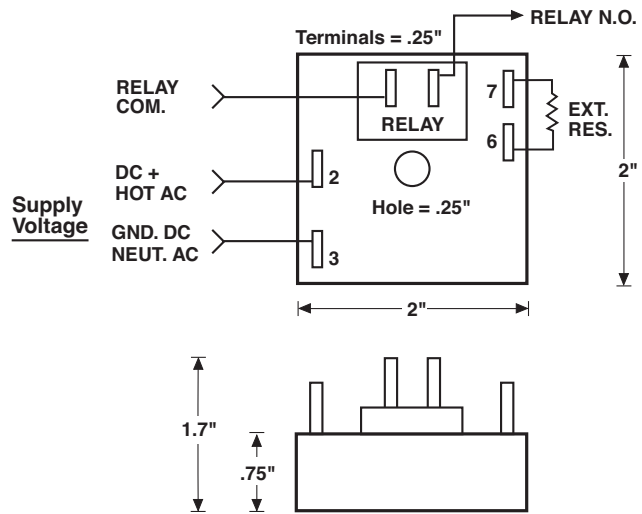
## FEATURES

- High current-carrying capacity up to 30 amps
- Transient protected
- 100% Load isolation
- No leakage in N.O. position
- No heat sinking required
- Available in any time delay period required
- Digital CMOS timing
- No minimum load required
- Totally encapsulated for protection from harsh environments
- 100% Operational testing before shipping
- 
- RoHS compliant

## BASIC WIRING AND DIMENSIONS



**10 Amps**



**15 & 20 Amps**

## SPECIFICATIONS

**Input Voltage:**

VDC: 12, 24 or 48  
 VAC: 24, 48, 120 or 230, 50/60Hz

**Time Delay:**

*Timing Mode:* Interval On  
*Type:* Digital CMOS  
*Time Range:* 0.1 second to 24 hours  
*Time Adjustments:* Factory-fixed time period; variable, with adjustments on timer, or terminals for external resistor or potentiometer

**Repeatability:** ±0.5%

**Setting Accuracy:** Fixed time period: ±10% of nominal time.

Variable time range:  
 +15% -5% max. time, -10% min. time

**Reset/Recycle Time:** 100 milliseconds

**Initiate Time:** 6 milliseconds or less

**Relay Life Expectancy:**

*Mechanical:* 20 million operations  
*Electrical:* 100,000 operations

**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

**Physical Data:**

*Mounting:* Surface with one #8 screw  
*Connection & Termination:* 0.25" quick connects

072816

## OPTIONS SELECTION

Mode of Operation	Series	Input Voltage	Examples of Time Ranges	Time Adjustment Method	Relay Output Form	Options
Interval On	TGL	1 120 VAC	<b>VARIABLE TIME PERIODS</b> 0001 0.1 to 1 sec. 0010 0.1 to 10 sec. 0100 1 to 100 sec. 1000 10 to 1000 sec. Any range up to 24 hours available.	<b>A</b> Variable, integral, knob on timer. <b>B</b> Variable, external knob remote. <b>C</b> Fixed, internal, factory set. <b>D</b> Fixed, external, resistor remote.	1 SPDT 2 SPST (N.O.) 3 SPST (N.C.) *4 DPDT *10 Amps only	<b>H</b> 10 Amps <b>J</b> 20 Amps (1.5 HP) <b>JN</b> 15 Amps (1.0 HP) <b>Z</b> 30 Amps <b>W</b> Wires <b>S</b> Special
		2 230 VAC 3 24 VAC 4 24-28 VDC 5 48 VAC 6 48 VDC 7 12 VDC 8 Any in between AC voltage (specify) 9 Any in between DC voltage (specify)				

*Specifications subject to change without notice.*