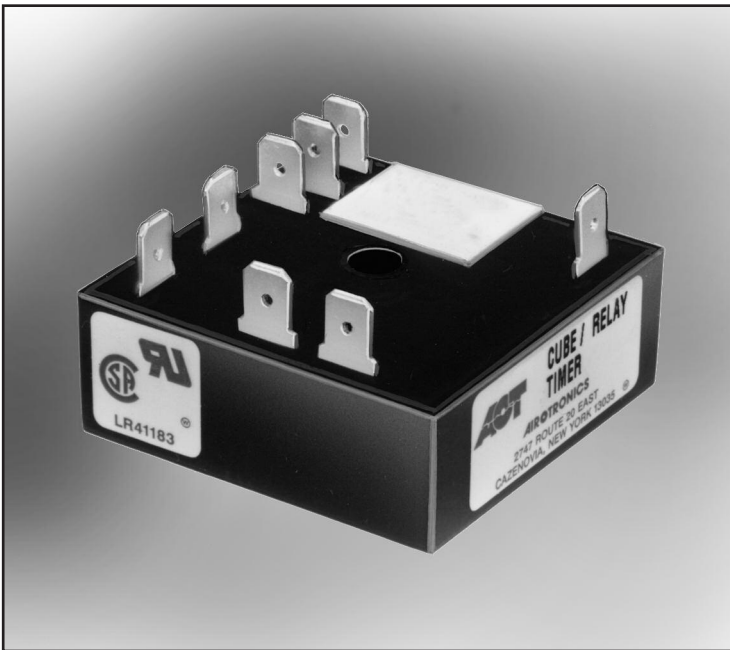


Timing Mode: **SINGLE SHOT**  
 Category: **TIMER WITH RELAY**  
 Series: **TGP**

**CUBE RELAY, 10-30 AMPS**



**TGP Timers**

TGP series Cube Relay Single Shot On Make 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.

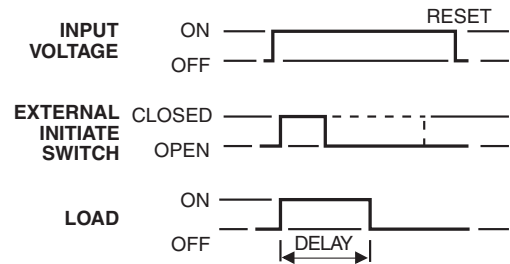
Key features: Normally Open (N.O.) isolated initiate switch; relay common is totally isolated.

**Timing Mode**


Power must be applied to the input voltage terminals continuously. Upon closure of a Normally Open (N.O.) external initiate switch, the load is instantaneously energized and the time delay cycle starts.

Maintained closure or actuation of the external initiate switch during the delay cycle will not affect the time delay period.

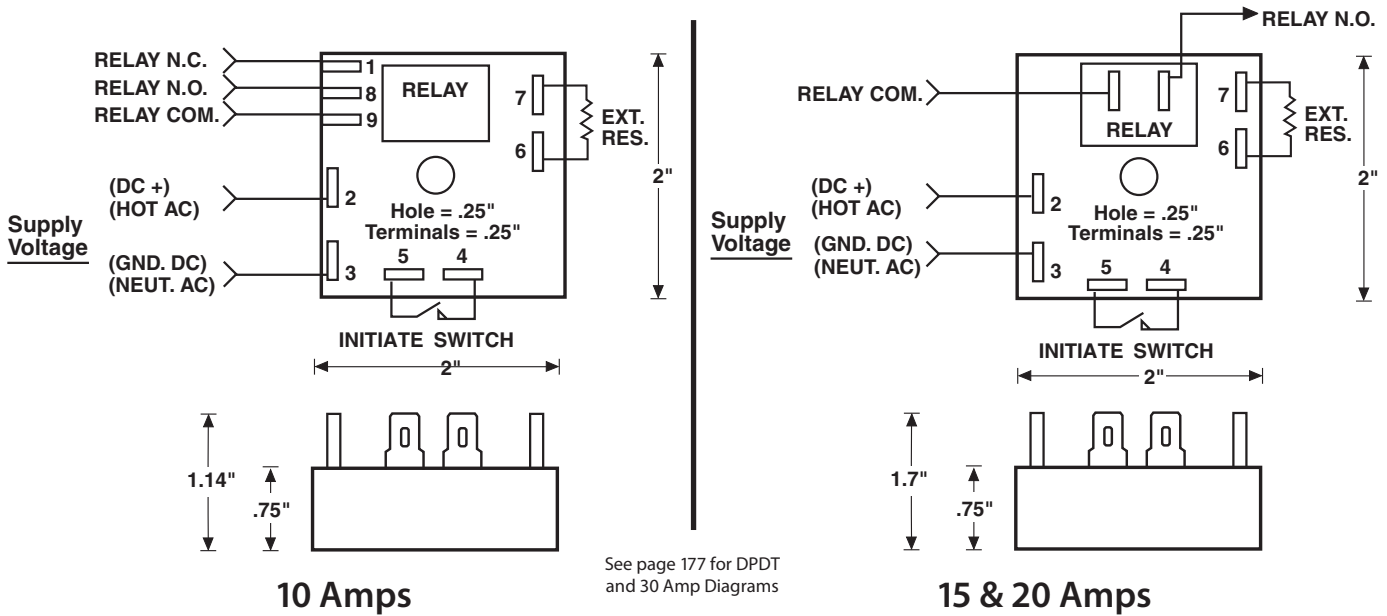
When the delay period expires, the timer will reset to its original position and the timer is ready for another cycle.



**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 compliance available

## BASIC WIRING AND DIMENSIONS



## SPECIFICATIONS

### Input Voltage:

VDC: 12, 24-28 or 48  
 VAC: 24, 48, 120 or 230, 50/60Hz  
 Special AC or DC voltages available

### Time Delay:

Timing Mode: Single Shot On Make  
 Type: Digital CMOS  
 Time Range: 0.2 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: 25 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

## OPTIONS SELECTION

Mode of Operation	Series	Input Voltage	Examples of Time Ranges	Time Adjustment Method	Relay Output Form	Options
Single Shot On Make	TGP	1 120 VAC	<b>VARIABLE TIME PERIODS</b> 0001 0.2 to 1 sec. 0010 0.2 to 10 sec. 0100 2 to 100 sec. 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)	A Variable, integral, knob on timer. B Variable, external knob remote. C Fixed, internal, factory set. D Fixed, external, resistor remote.	1 SPDT 2 SPST (N.O.) 3 SPST (N.C.) *4 DPDT *10 Amps only	H 10 Amps JN 15 Amps (1.0 HP) J 20 Amps (1.5 HP) Z 30 Amps S Special W Wires
		Any range up to 24 hours available. <b>FIXED TIME PERIODS</b> Specify time in full seconds or hours followed by the letter "S" or "H" and the decimal amount of the main time unit. Examples: 5S5 is 5.5 secs 5H5 is 5.5 hours				

*Specifications subject to change without notice.*