TGCD Timers
The TGCD series offers two sequential Delay On Make timing relays in the same package. Both delay outputs can be factory-fixed or individually adjusted.

Timing Mode
Application of power to terminals 2 and 7 starts time period 1. At the end of time period 1, relay 1 transfers (terminal 1 makes to terminal 3) and time period 2 starts. At the end of time period 2, terminal 8 makes to terminal 6. Reset is via power interrupt at any time during timing.

FEATURES
- Two Delay On Make relays in one timer
- No leakage in N.O. position
- Fixed or adjustable time periods
- Totally encapsulated for protection from harsh environments
- Transient protected
- 100% Operational testing before shipping
- RoHS compliant
A DIVISION OF PELCO COMPONENT TECHNOLOGIES

**SPECIFICATIONS**

**Input Voltage:**
- **VDC:** 12 and 24/28 VDC
- **VAC:** 24 to 230 VAC – 6 ranges
- **Special AC or DC voltages available**

**Time Delay:**
- **Timing Mode:** Dual On Delay
- **Type:** Digital – Relay Output
- **Time Range:** Up to 24 hours
- **Time Adjustments:** Variable, integral or external, factory-fixed

**Repeatability:** ±0.5% Fixed Conditions

**Setting Accuracy:** +20-0% Total with potentiometer

**Reset/Recycle Time:**
- Reset during Time 1: 50ms typ.
- Reset during Time 2: 25ms typ.
- Reset after Time 2: 25ms typ.

**RELAY OUTPUT FORM:**
- 2 SPDT relays

**RELAY LIFE EXPECTANCY:**
- **Mechanical:** Up to 1 million operations
- **Electrical:** 100K cycles at maximum load

**Protection:** 18 joules varister

**Temperature Ranges:**
- **Storage:** -40°C to +85°C
- **Operating:** -25°C to +65°C

**Physical Data:**
- **Mechanical:** Totally encapsulated
- **Mounting:** Surface with two #6 screws
- **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  
---|---|---|---|---|---|---
Dual On Delay | **TGCD** | 1 | 120 VAC | **VARIABLE TIME PERIODS** | A | 1 SPDT | H 10 Amps  
2 | 230 VAC | 0001 0.5 to 1 sec.  
3 | 24 VAC | 0010 .1 to 10 sec.  
4 | 24-28 VDC | 1000 1 to 100 sec.  
5 | 48 VAC | 1000 10 to 1000 sec.  
6 | 12 VDC | Any range up to 24 hours available.  
7 | Any in between AC voltage (specify) | **FIXED TIME PERIODS**  
8 | Any in between DC voltage (specify) | Specify time in full seconds or hours followed by the letter “S” or “H” and the decimal amount of the main time unit.  
9 | | Examples: SSS is 5.5 secs  
| | 5HS is 5.5 hours | 2 SPST (N.O.) | 3 SPST (N.C.) | |  
**EXAMPLE** | **TGCD** | 1 | 600/600 AA 22 HH | | | 120 VAC, 600 seconds for both time periods, adjustable, SPST  
Specifications subject to change without notice.