AIROTRONICS
Timers and Controls AOT

MISSING PULSE DETECTOR / WATCHDOG
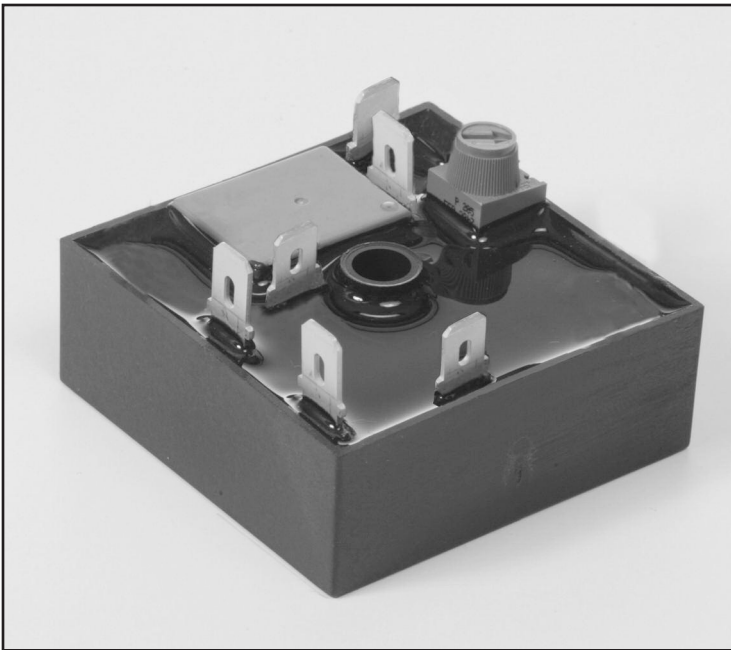
TGLR Timers

TGLR series Cube Relay Interval timers are a unique combination of digital CMOS timing circuitry with a relay output in a compact 2″ x 2″ configuration.
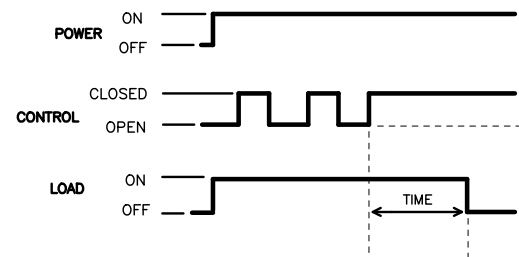
These units provide the same functional performance as plug-in relay timers, but at significant cost savings.

Timing Mode

When power is applied, the relay transfers.

If control switch closures occur more frequently than set time, nothing happens.

If control stays closed or open longer than set time, the relay opens.

POWER	ON / OFF
CONTROL	CLOSED / OPEN
LOAD	ON / OFF — TIME

FEATURES

- **High current-carrying capacity up to 10 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**

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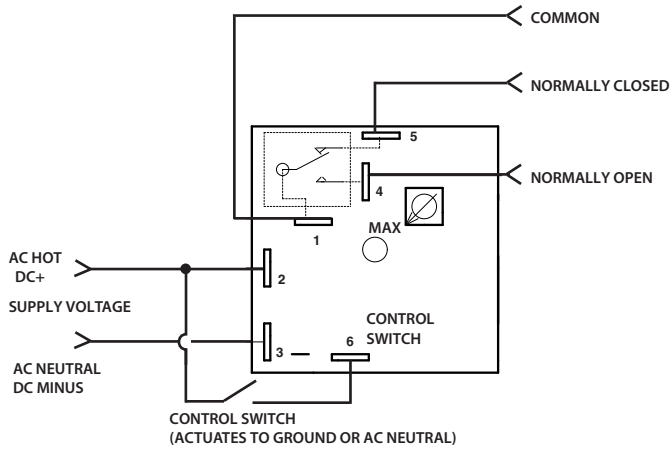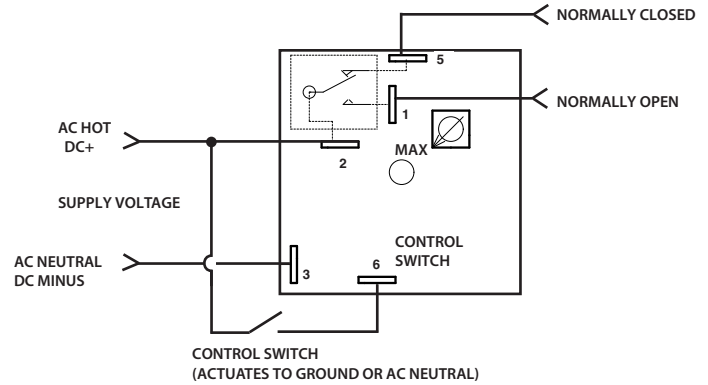
TGLR

TGLRB

SPECIFICATIONS

Input Voltage:
VDC: 12, 24 or 48
VAC: 24, 48, 120 or 230, 50/60Hz
Special voltages available

Time Delay:
Timing Mode: Retriggerable Interval
Type: Cube Relay
Time Range: 0.2 second to 24 hours
Time Adjustments: Fixed / Pot Adjust

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
Retriggerable Interval (Watchdog)	TGLR TGLRB	1 120 VAC 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)	**VARIABLE TIME PERIODS** **0001** 0.5 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.** **FIXED TIME PERIODS** 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		A Screwdriver Adj., Variable, integral. C Fixed, internal, factory set.	1 SPDT 2 SPST (N.O.) 3 SPST (N.C.)	H 10 Amps

Specifications subject to change without notice.

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A division of Pelco Component Technologies

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