### TNC Timers
The TNC Delay on Make meets the needs of customers who require IC digital timing circuits with round octal, round magnal or QC bases for plug-in installation. The units are available in SPDT and DPDT relay forms up to 10 amp with fixed or adjustable time periods.

### 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.

| INPUT VOLTAGE | ON | | OFF |
| LOAD | ON | DELAY | OFF |

### Features
- CMOS Integrated Circuit digital timing
- Multi-board construction
- Relays are sealed
- Proven circuitry
- Standard octal (8 pin), magnal (11 pin) plug-ins or 4.75 mm (0.187") blade terminal mountings
- Fixed or variable time adjustment
- Optional remote time adjustment
- Timing ranges from 0.1 to 1000 seconds standard (special time settings and ranges up to 72 hours also available)
- 0.1% Repeat accuracy
- 100% Operational testing before shipping

### Specifications

#### Input Voltages:
- VAC: 12, 24, 120, 230, 50/60Hz
- VDC: 12, 24

Special AC or DC voltages available

#### Operating Voltage:
±20% of nameplate voltage

#### Relay Contact Ratings:
- 5 amp DPDT, 10 amp DPDT optional

#### Repeat Accuracy:
±0.1% under fixed operating conditions

#### Reset Time:
50 milliseconds

#### Tolerances:
- Fixed: ±10%, Optional: ±5%, ±1%
- Variable: +20%, -0%, Optional: +10%, -0%

#### Life Expectancy:
- Mechanical: 1 million operations
- Electrical: Up to 100,000 operations at full current load

#### Protection:
- Polarity Protection: All DC units have reverse polarity protection
- Transient Protection: 25 joules

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

#### Housing Material:
High-impact, UL-approved black Lexan
**Options Selection**

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<td></td>
<td>1</td>
<td>120 VAC</td>
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<td>X Standard (Fixed: ±10%; Variable: ±20%; -0%)</td>
<td>A Variable knob on timer</td>
<td>1</td>
<td>X Standard 5 amps</td>
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**VARIABLE TIME PERIODS**

- 0001: .1 to 1 sec.
- 0010: .1 to 10 sec.
- 0100: 1 to 100 sec.
- 1000: 10 to 1000 sec.

Any range up to 72 hours available on special order.

**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

This is a “TN” series timer, Delay on Make, 24 volt AC, 10 second variable time period (standard tolerance), with adjustment knob on timer, 8 pin octal base, 10 amp relay.

Specifications subject to change without notice.

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**Basic Wiring and Dimensions**

- **SPDT**
- **DPDT**
- **DPDT**

**Optional Knob**

- 8 PIN OCTAL & MAGNAL PLUG-IN BASES
- .187” Q.C. PLUG-IN BASE

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**Airotronics Timers & Controls**

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