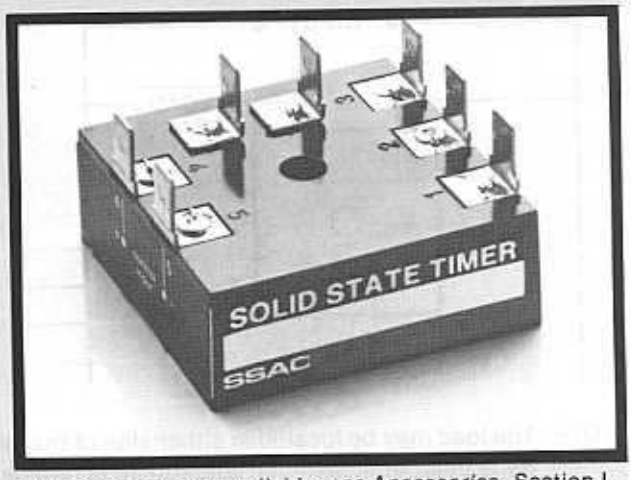
ISO-TIMER

SOLID STATE TIMER

TIS1 Series
(Delay On Make - Normally Open)

- ☐ Optical Isolation between input and output
- ☐ Wide selection of input and output voltages
- ☐ Fixed or Adjustable delays up to 180 seconds
- ☐ Totally Solid State and Encapsulated
- ☐ ± 2% Repeat Accuracy
- ☐ 1/4 inch quick connect terminals



DIN Track Adaptor available, see *Accessories*, Section I.

DESCRIPTION

ISO-Timer, a totally solid state timing module that can replace conventional time delay relays or mechanical timers and still maintain complete isolation between the input (coil) and the output (switching). Isolation is achieved by means of a light emitting diode and photo transistor to provide 1500 volts RMS minimum. ISO-Timer offers delays to 3 minutes, encapsulated circuitry, long life with solid state reliability and economy. *See other ISO-Timers by SSAC.*

SPECIFICATIONS

1. **Time Delay**
   - 1.1 Type: Factory fixed or adjustable
   - 1.2 Range:
     - a. 0.05 to 3 seconds (1 Meg. = 1 sec.)
     - b. 0.5 to 60 seconds (1 Meg. = 20 sec.)
     - c. 2 to 180 seconds (1 Meg. = 60 sec.)
   - 1.3 Repeat Accuracy: ± 2% under fixed conditions
   - 1.4 Tolerance (Factory Calibration): ± 10% maximum
   - 1.5 Reset Time: 100 milliseconds
   - 1.6 Recycle Time: 250 milliseconds
   - 1.7 Time Delay vs. Temperature & Voltage: ± 10% maximum

2. **Input**
   - 2.1 Line Voltage: 24, 120, and 230 volts AC nominal
   - 2.2 Tolerance: ± 20% of nominal
   - 2.3 Control Input Voltage: 9 to 290 volts AC or DC (see *Ordering Information*)
   - 2.4 Line Frequency: 50/60 Hertz

3. **Output**
   - 3.1 Type: Solid State
   - 3.2 Form: Normally open
   - 3.3 Rating: 1 ampere steady state, 10 amps inrush at 50°C
   - 3.4 Voltage Drop: 2.5 volts typical at 1 ampere

4. **Protection**
   - 4.1 Transient Protected
   - 4.2 Dielectric: 1500 volts RMS minimum
   - 4.3 Insulation Resistance: 100 megohms minimum

5. **Mechanical**
   - 5.1 Mounting: Surface mount with one #8 or #10 screw
   - 5.2 Terminations: 1/4 inch male quick connect terminals
   - 5.3 Package: Molded housing with encapsulated circuitry

6. **Environmental**
   - 6.1 Operating Temperature: -40°C to + 70°C
   - 6.2 Storage Temperature: -40°C to + 85°C
   - 6.3 Humidity: 95% relative

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