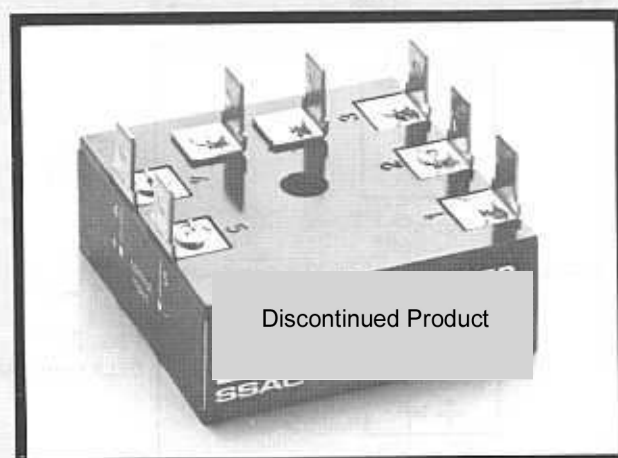


## TIS2 Series (Interval)

- ☐ Optical Isolation between input and output (1500 volts RMS)
- ☐ Wide selection of input and output voltage
- ☐ Up to 20 amperes inrush, 2 amperes steady state
- ☐ Totally Solid State and Encapsulated
- ☐ Delays up to 180 seconds, fixed or adjustable



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

## DESCRIPTION

Optical isolation, combined with solid state timing, makes ISO-Timer a distinct advantage in many applications. Now there is no need to add a relay, or other device, in order to gain isolation since ISO-Timer provides both in one rugged easy-to-use package. Offering total solid state life and reliability, the TIS Series allows for countless approaches to design problems with economy, accuracy, and quality.

## 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:  $\pm 2\%$  under fixed conditions
- 1.4 Tolerance (Factory Calibration):  $\pm 10\%$  max
- 1.5 Recycle Time: 250 milliseconds maximum after timing. During timing—0.1% of time delay or 75 milliseconds, whichever is greater.
- 1.6 Time Delay vs Temperature & Voltage:  $\pm 10\%$  max

### 2. Input

- 2.1 Line Voltage: 24, 120, and 230 volts AC nominal
- 2.2 Tolerance:  $\pm 20\%$  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 closed during timing
- 3.3 Rating: 1 ampere steady state, 10 amps inrush, or 2 amperes steady state, 20 amps inrush at 50°C

### 3.4 Voltage Drop:

- 2.5 volts typical (1 ampere unit)
- 1.5 volts typical (2 ampere unit)
- (see *Ordering Information*)

### 4. Protection

- 4.1 Transient Protected
- 4.2 Dielectric: 1500 volts RMS
- 4.3 Insulation Resistance: 1000 megohms minimum

### 5. Mechanical

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

### 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

