

TSD761180S - TSD2 Series

Series: TSD2

Questions? Contact Littelfuse Support



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 [TSD2 Series Datasheet](#)

The TSD Series is designed for more demanding commercial and industrial applications where small size and accurate performance are required. The factory calibration for fixed time delays is within 1% of the target time delay. The repeat accuracy, under stable conditions, is 0.1% of the time delay. The TSD Series is rated to operate over an extended temperature range. Time delays of 0.1 seconds to 100 hours are available. The output is rated 1A steady and 10A inrush. The modules are totally solid state and encapsulated to protect the electronic circuitry.

Operation (Interval)
Upon application of input voltage, the time delay begins. The output is energized during the time delay. At the end of the time delay, the output de-energizes and remains de-energized until input voltage is removed.

Reset: Removing input voltage resets the time delay and output.

Product Literature

 [TSD2 Series Datasheet](#)

For Technical Questions

Call **+1 800-832-3873** or email us at relays@littelfuse.com

Electrical Characteristics

Technical Resources

Property (Mouseover for details)

Value

Input Voltage (V)	230VAC
Input Tolerance (%)	±20%
Input AC Line Frequency (Hz)	50/60Hz
Output Type	Solid state
Output Form	NO closed during timing
Output Load Rating (VA)	1A steady state; 10A inrush at 45°C
Minimum Output Load Current (A)	40mA
Output Voltage Drop (V)	≤6V
Time Delay Type	Digital integrated circuitry
Time Delay Range	180s fixed
Time Delay Tolerance (%)	≤±10%
Recycle Time (ms)	≤400ms
Reset Time (ms)	≤150ms
Repeat Accuracy (%)	±0.5% or 20ms whichever is greater
Setpoint vs Ambient Temperature and Operating Voltage (%)	≤ ±2%
Open State Leakage Current (A)	≈5mA @ 230VAC
Insulation Resistance	≥100 MΩ
Dielectric Breakdown	≥2000V RMS terminals to mounting surface
Circuitry	Encapsulated
Termination Type	0.25 in. (6.35mm) male quick connect terminals
Mounting Method	Surface mount with one #10 (M5 x 0.8) screw
Operating Temperature	-40° to 75°C (-40°F to 167°F)
Storage Temperature (F/C)	-40° to 85°C (-40°F to 185°F)
Humidity	95% relative non-condensing
Dimensions	2.00 x 2.00 x 1.21 in. (50.8 x 50.8 x 30.7mm)
Weight (lbs/g)	≈2.4oz (68g)
Sample capable	No

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