

TRM SERIES



*8-pin models UL listed when used in combination with P1011-6 socket only.



8-PIN



11-PIN

Description

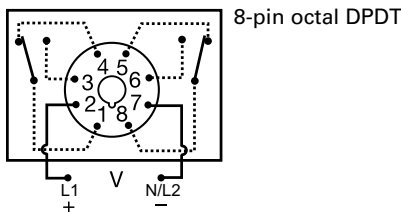
The TRM Series is a combination of analog electronic circuitry and electromechanical relay output. It provides input to output isolation with a wide variety of input voltages and time ranges. Standard plug-in base wiring, fast reset, rugged enclosure, and good repeat accuracy make the TRM a select choice in any OEM application.

Operation (Delay-on-Make)

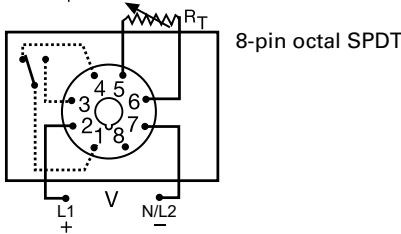
Upon application of input voltage, the time delay begins. The output is de-energized before and during the time delay. At the end of the time delay, the output relay energizes and remains energized until input voltage is removed.

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

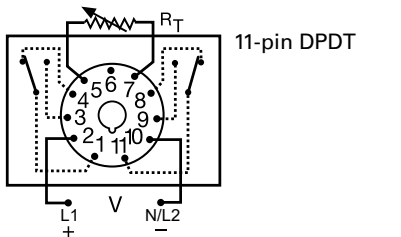
Wiring Diagram



8-pin octal DPDT



8-pin octal SPDT



11-pin DPDT

V = Voltage

R_T is used when external adjustment is ordered. Relay contacts are isolated.

Features & Benefits

| FEATURES | BENEFITS |
|--|--|
| Electronic circuitry with electromechanical relay | Repeat Accuracy +/- 2% |
| Isolated 10A, SPDT or DPDT output contacts | Allows control of loads for AC or DC voltages. |

Accessories



BZ1 Front Panel Mount Kit

Provides an easy method of through-the-panel mounting of 8- or 11-pin plug-in timers, flashers, and other controls.



NDS-8 Octal 8-pin Socket

8-pin 35mm DIN rail or surface mount. Surface mounted with two #6 screws or snaps onto a 35 mm DIN rail. Uses PSC8 hold-down clips.



NDS-11 11-pin Socket

11-pin 35mm DIN rail or surface mount. Surface mounted with two #6 screws or snaps onto a 35 mm DIN rail. Uses PSC11 hold-down clips.



PSC8 or PSC11 Hold-down Clips

Securely mounts plug-in controls in any position. Provides protection against vibration. Use PSC8 with NDS-8 Octal Socket or PSC11 with NDS-11 Socket. Sold in sets of two.

Ordering Information

| MODEL | INPUT VOLTAGE | ADJUSTMENT | OUTPUT | TIME TOLERANCE | TIME DELAY |
|--------------|---------------|------------|-----------------------------------|----------------|------------|
| TRM120A2X30 | 120VAC | Knob | Octal, DPDT | +/- 20% | 1 - 30s |
| TRM120A2Y120 | 120VAC | Knob | Octal, DPDT | +/- 10% | 2 - 120s |
| TRM120A2Y180 | 120VAC | Knob | Octal, DPDT | +/- 10% | 2 - 180s |
| TRM24A8Y5 | 24VAC | External | Octal, SPDT without potentiometer | +/- 10% | 0.1 - 5s |
| TRM24D1X10 | 24VDC/28VDC | Fixed | Octal, DPDT | +/- 20% | 10s |
| TRM24D1X2 | 24VDC/28VDC | Fixed | Octal, DPDT | +/- 20% | 2s |

If you don't find the part you need, call us for a custom product 800-843-8848

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Accessories



P1011-6 Octal Socket for UL listing*
8-pin surface mount socket with binder head screw terminals. Rated 10A @ 600VAC.



P1004-13, P1004-13-X Versa-Pot
Panel mountable, industrial potentiometer recommended for remote time delay adjustment.



P0700-7 Versa-Knob
Designed for 0.25 in (6.35 mm) shaft of Versa-Pot. Semi-gloss industrial black finish.

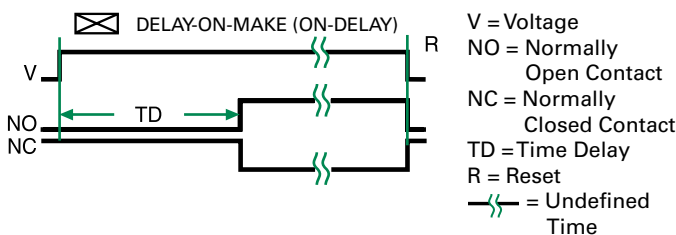
Selection Guides

| R _T Selection Chart | |
|--------------------------------|----------------|
| Time Delay* | |
| Range | R _T |
| Seconds | Megohm |
| 0.05...1 | 1.0 |
| 0.05...2 | 2.0 |
| 0.05...3 | 3.0 |
| 0.1...5 | 5.0 |
| 0.1...10 | 3.0 |
| 1...30 | 1.5 |
| 1...60 | 3.0 |
| 2...120 | 2.0 |
| 2...180 | 3.0 |
| 7...240 | 1.5 |
| 7...300 | 2.0 |
| 7...360 | 2.0 |
| 7...420 | 3.0 |
| 7...480 | 3.0 |
| 7...600 | 5.0 |

| External R _T P/N Selection Table | |
|---|-------------|
| VALUE | PART NUMBER |
| 1M ohm | P1004-16 |
| 1.5M ohm | P1004-15 |
| 2M ohm | P1004-14 |
| 3M ohm | P1004-12 |
| 5M ohm | P1004-13 |
| 1M ohm | P1004-16-X |
| 1.5M ohm | P1004-15-X |
| 2M ohm | P1004-14-X |
| 3M ohm | P1004-12-X |
| 5M ohm | P1004-13-X |

* When selecting an external R_T add at least 15...30% for tolerance of unit and the R_T.

Function Diagram



Specifications

Time Delay

Type Analog circuitry
Range 50ms - 10m in 15 adjustable ranges or fixed
Repeat Accuracy ±2% or 20 ms, whichever is greater

Fixed Time Tolerance &

Setting Accuracy ±5, 10, or 20%

Reset Time ≤ 50ms

Recycle Time After timing: ≤ 20ms

During timing: 0.1% of max. time delay or 75ms, whichever is greater

Time Delay vs Temp.

& Voltage

≤ ±10%

Input

Voltage

24 or 110VDC; 24, 120, or 230VAC

Tolerance

24VDC/AC

-15% - 20%

110 to 230VAC/DC

-20% - 10%

AC Line Frequency

50/60 Hz

Power Consumption

≤ 2.25W

Output

Type

Electromechanical relay

Form

Isolated DPDT or SPDT

Rating

10A resistive @ 120/240VAC & 28VDC;

1/3 hp @ 120/240VAC

Mechanical - 1 x 10⁷; Electrical - 1 x 10⁶

Life

Protection

Isolation Voltage

≥ 1500V RMS between input & output terminals

Insulation Resistance

≥ 100 MΩ

Polarity

DC units are reverse polarity protected

Mechanical

Mounting

Plug-in socket

Dimensions

H 91.6 mm (3.62"); **W** 60.7 mm (2.39");

D 45.2 mm (1.78")

Termination

Octal 8-pin or 11-pin plug-in

Environmental

Operating/Storage

Temperature

-20° to 65°C / -30° to 85°C

Weight

≈ 6 oz (170 g)

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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