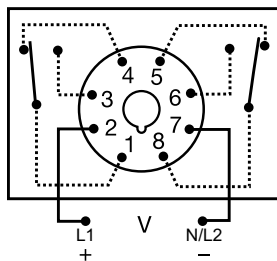


PRLM SERIES



8-PIN

Wiring Diagram



8-pin octal DPDT

Description

The PRLM Series is designed for use in non-critical timing applications. It offers low cost, knob adjustable timing control, full 10A relay output, and onboard LED indication. The knob adjustment provides a guaranteed time range of up to 10 minutes in 6 ranges. The onboard LED indicates whether or not the unit is timing (flashing LED) as well as the status of the output.

Operation (Delay-on-Make)

The time delay is initiated when input voltage is applied. LED flashes during timing. At the end of the delay period, the output contacts energize. LED is on steady after the unit times out.

Reset: Reset is accomplished by removal of input voltage. There is no false output when reset during timing.

Features & Benefits

FEATURES	BENEFITS
Electronic circuitry with electromechanical relay	Repeat Accuracy + / - 2%
Knob adjustable time delay	Guaranteed time range of up to 10 mins in 6 ranges
Isolated 10A, DPDT output contacts	Allows control of loads for AC or DC voltages
LED indication	Provides relay status both during and after timing
Industry standard octal plug connection	Eliminates need for special connectors

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.



PSC8 Hold-down Clips

Securely mounts plug-in controls in any position. Provides protection against vibration. Use with NDS-8 Octal Socket. Sold in pairs.



C103PM (AL) DIN Rail

35 mm aluminum DIN rail available in a 36 in. (91.4 cm) length.

Ordering Information

MODEL	INPUT VOLTAGE	ADJUSTMENT	TIME DELAY
PRLM41180	120VAC	Fixed	180s
PRLM423	120VAC	Adjustable	1 - 60s

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

PRLM SERIES

Specifications

Time Delay

Type	Analog circuitry
Range	0.05 - 600s in 6 adjustable ranges or fixed
Repeat Accuracy	±2% or 20ms, whichever is greater
Tolerance	Knob adjust: guaranteed range Fixed: ±10%
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	12, 24, or 110VDC; 24, 120, or 230VAC
Tolerance	
12VDC & 24VDC/AC	-15% - 20%
110 to 240VAC/DC	-20% - 10%
AC Line Frequency	50/60 Hz
Power Consumption	≤ 2.25W

Output

Type	Electromechanical relay
Form	Isolated, DPDT
Rating	10A resistive @ 28VDC; 10A resistive @ 240VAC; 1/3 hp @ 120/240VAC
Life	Mechanical - 1x10 ⁷ ; Electrical - 1x10 ⁶

Protection

Surge	IEEE C62.41-1991 Level A
Isolation Voltage	≥ 1500V RMS input to output
Insulation Resistance	≥ 100 MΩ
Polarity	DC units are reverse polarity protected
Indication	
Type	LED
Operation	During timing - flashing Output energized - on steady

Mechanical

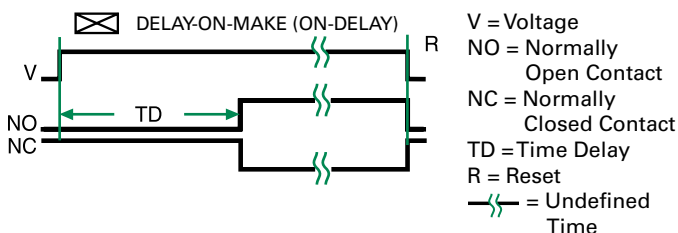
Mounting	Plug-in socket
Dimensions	H 91.6 mm (3.62"); W 60.7 mm (2.39"); D 45.2 mm (1.78")

Termination

Environmental

Operating/Storage Temperature	-20° to 65°C / -30° to 85°C
Weight	≈ 6 oz (170 g)

Function Diagram



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Littelfuse:](#)

[PRLM41180](#) [PRLM423](#)