

Description

- Multi-Function Slim Timer : PF-03N Series is a timer that can operate with up to 5 functions in a single unit: Delay ON Operate, Interval, Delay ON Interval, Recycle Timer Start ON, and Recycle Timer Start OFF.
- Time setting supports units of seconds, minutes, hours, and days with a maximum of up to 10 days.
- Power supply supports 24–250 VAC/VDC.
- Contact relay output 5A/250VAC, 5A/30VDC.
- Compact size, easy installation on DIN Rail.
- LED indicators show operating status

Specification

Power Supply	
Operating Voltage (Un)	24-250VAC/VDC
Operating Frequency	50 - 60 Hz
Power Consumption	< 3VA
Time Setting	
Time Range	1s = 1 Second
	10s = 10 Second
	100s = 100 Second
	1m = 1 Minute
	10m = 10 Minute
	1h = 1 Hour
	10h = 10 Hour
	100h = 100 Hour
	1d = 1 Day
	10d = 10 Day
Ton,Toff Multiplier	0.1 - 1 With ± 0.1 Step
Output	
Relay Output Type	1 Form C (SPDT)
Maximum Rating	5A 250Vac / 5A 30Vdc
Environment	
IP Protection Class	IP20
Operating Temperature	0 - 70 °C
Operating Humidity	10 - 85% RH
Connection	DIN Rail Mounted
Enclosure	ABS-V0 (UL-94 V0)
Size (mm.)	62 x 17.50 x 90.40
Weight (kg.)	62

Operation

PF-03N Series Multi-Function Slim Timer is a multifunction timer that integrates five operating functions in a single unit.

It supports time settings in seconds, minutes, hours, and days, with a maximum setting of up to 10 days.

When power is supplied to the PF-03N Series, the timer will start operating and counting time by activating an external switch connected to terminals 1 and 4.

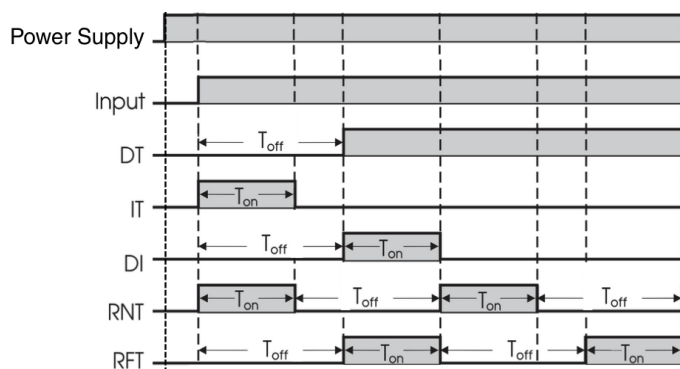
1. Delay ON Operate Timer (DT): When the input is activated, the timer delays according to the preset time. After the delay time has elapsed, the relay output turns ON and remains ON continuously.

2. Interval Timer (IT): When the input is activated, the relay output turns ON immediately. After the preset time has elapsed, the relay output turns OFF.

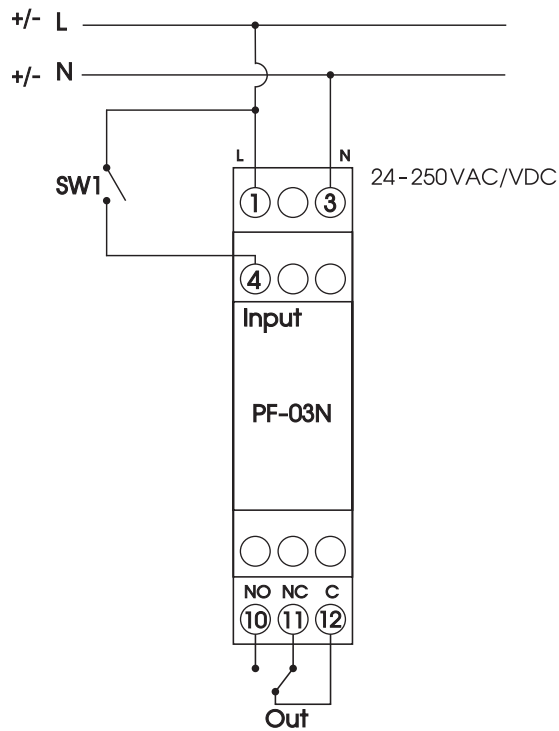
3. Delay ON Interval Timer (DI): This is a single-cycle timer with both Toff and Ton settings. When the input is activated, the timer delays for the preset Toff time. After Toff expires, the relay output turns ON and remains ON for the preset Ton time. The relay output turns OFF after the Ton time has elapsed.

4. Recycle Timer Start ON (RNT): When the input is activated, the relay output turns ON for the preset Ton time. It then turns OFF for the preset Toff time. This ON/OFF cycle repeats continuously until the input signal is removed.

5. Recycle Timer Start OFF (RFT): When the input is activated, the timer starts with the preset Toff delay. After Toff expires, the relay output turns ON for the preset Ton time. This ON/OFF cycle repeats continuously until the input signal is removed.



Wiring Diagram

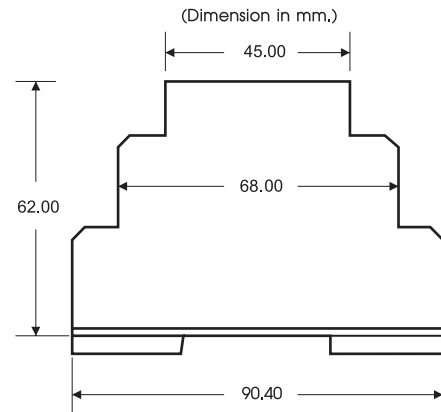


- Make sure the correct wiring connection before turning on electricity. Mis-wiring may cause malfunction of the unit and fire.
- Never modify the unit to prevent damage or incident such as malfunction and fire etc.

Ordering Code

PF -	03N
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Dimension



T (1s - 10 day)
T _{ON} Multiplier (0.1-1)
T _{OFF} Multiplier (0.1-1)
Mode (DT, IT, DI, RNT, RFT)

