

TECHNICAL SPECIFICATION

Power Supply	
Operating Voltage (Un)	24 - 250 VAC/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	62 g.

TABLE1. LED Indication

LED	State	Description
O	ON OFF	Relay ON Relay OFF
R	D = ON, R=I=OFF	Delay ON Operate Timer (DT)
D	I = ON, D = R = OFF	Interval Timer (IT)
I	D = I = ON, R = OFF	Delay ON Interval Timer (DI)
	R = D = ON, I = OFF	Recycle Timer Start ON (RNT)
	R = I = ON, D = OFF	Recycle Timer Start OFF (RFT)

DESCRIPTION

- Multi-Function Timer that can operate up to 5 functions. in the same
- Time can be set in seconds, minutes, hours, days up to 10 days.
- Compatible with both AC and DC power.
- Small, compact. Easy installation on DIN Rail

OPERATION

Set the time before power supply to PF-03 when supplying. Timer will start working.

The PF-03 can operate up to 5 functions. You can select at Selector Pot and do the following

1. Delay ON Operate Timer (DT)

When starting, the output relay is OFF and PF-03 will be delayed according to the Toff setting When the delay is over, the relay is ON (ON).

2. Interval Timer (ITI)

When power is supplied, Relay Output is ON and PF-03 will count down time according to the Ton setting . At the set time, Relay Output will be in the OFF state forever

3. Delay ON Interval Timer (DI)

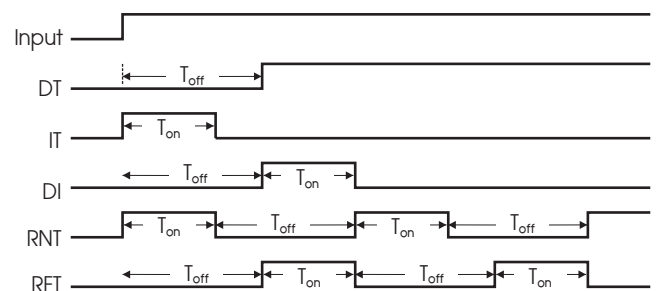
When power is supplied to the power supply, the output relay is in the starting state. OFF by time Toff setting and it will ON temporarily for the set time. When the time is set. It will return to the OFF state forever.

4. Recycle Timer Start ON (RNTI)

When power is supplied to the power supply, the output relay is in the ON state according to Ton setting and OFF according to Toff setting and this will happen forever bloated

5. Recycle Timer Start OFF (RFT)

When power is supplied to the power supply, the output relay is in the ON state according to Toff setting and OFF according to Ton setting and this will happen forever bloated

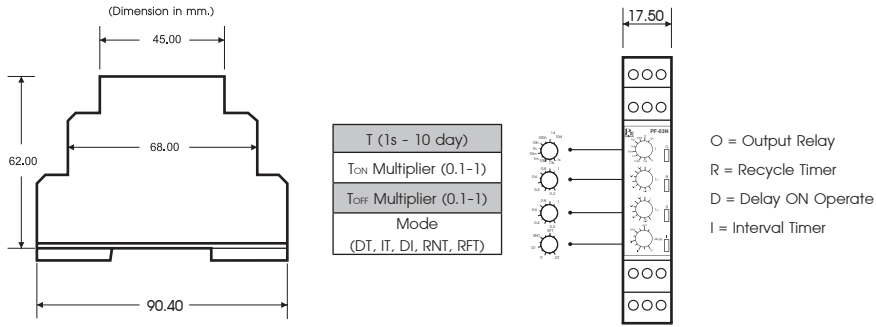


ORDERING CODE

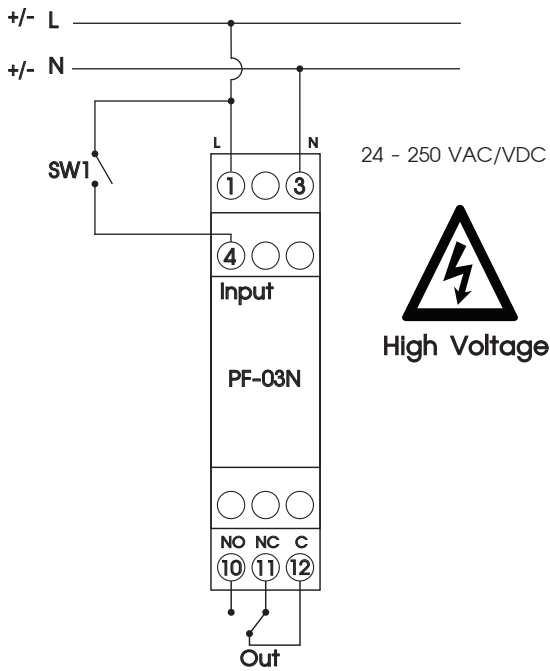
PF -

03N

DIMENSION



WIRING DIAGRAM



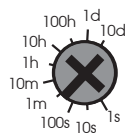
- Make sure the correct wiring connection before turning on electricity. Mis-wiring may cause malfunction of the unit and fire.
- Never modify the unit to prevent damage or incident such as malfunction and fire etc.

Delay Setting

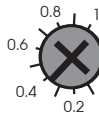
1. Select Timer for Pot "T"
2. Setting Time ON or Time OFF From Pot "T_{ON}" and "T_{OFF}" by can calculate Time follow equation(1) and (2)

$$\text{Delay Time ON} = T_{\text{ON}} \times T$$

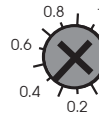
$$\text{Delay Time OFF} = T_{\text{OFF}} \times T$$



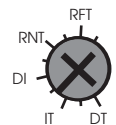
T



T_{ON}



T_{OFF}



FUNC



PF-03N

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