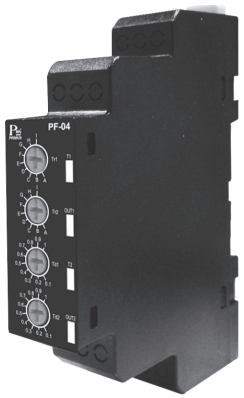
PF-04-SERIES

2 CHANNEL MULTI-FUNCTION SLIM TIMER

PRIMUS



Description

- 2-Channel Multi-Function Slim Timer: PF-04 Series The PF-04 Series is a 2-channel timer that integrates up to 4 functions in a single unit: Delay ON Operate, Interval, Delay ON Interval, and Recycle Timer (Start ON).
- Power Supply: Supports a wide voltage range of 18–265 VAC/VDC.
- Outputs: Equipped with 2 outputs that can be set independently.
- Design: Compact and slim size, easy installation on a DIN rail.
- Indicators: LED indicators display operating status.
- Relay Output: 2 relay contact outputs rated at 5A/250 VAC or 5A/30 VDC.
- Available in 3 models with selectable time ranges: 10 seconds / 100 seconds, 1 minute / 10 minutes, and 1 hour / 10 hours.

Specification

	PF-04-1	PF-04-2	PF-04-3
Power Supply			
Operating Voltage (Un)	18 - 265VDC		
	18 - 265VAC		
Operating Frequency	50 - 60 Hz		
Power Consumption	< 3VA		
Time Setting			
Time Range (T_d)	10s = 10 Second	1m = 1 Minute	1Hr = 1 Hour
	100s = 100 Second	10m = 10 Minute	10Hr = 10 Hour
Output			
Relay Output Type	2 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

2 Channel Multi-Function Slim Timer : PF-04 Series is a 2-channel timer that can operate with up to 4 functions in a single unit.

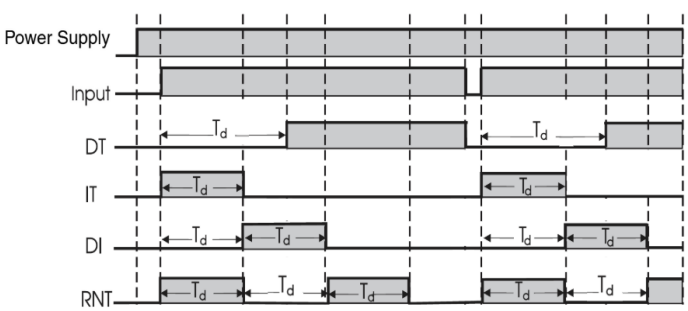
When power is supplied to the PF-04 Series, the timer can be started and will begin counting time by pressing a switch; to activate Input 1, connect the switch to terminal 1 and terminal 4, and to activate Input 2, connect the switch to terminal 1 and terminal 5.

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

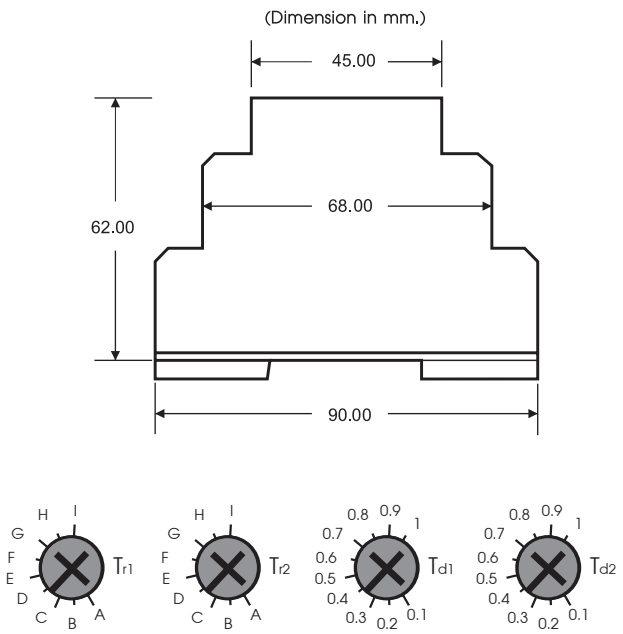
2. Interval Timer (IT): When the input is activated, the relay output turns ON and then turns OFF automatically after the preset time Td has elapsed.

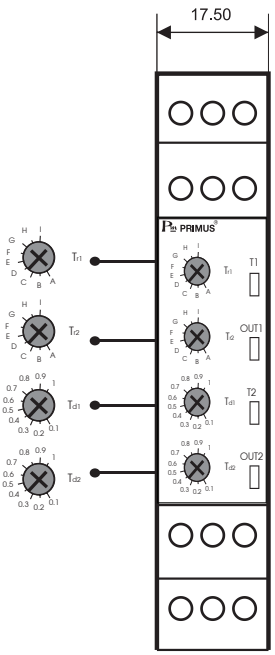
3. Delay ON Interval Timer (DI): This is a one-cycle timer with delays applied to both the ON time and the OFF time. When the input is activated, the timer delays for the preset time Td; once Td has elapsed, the relay output turns ON, and then turns OFF again after the same preset time Td has elapsed.

4. Recycle Timer Start ON (RNT): This is a timer with delays applied to both the ON time and the OFF time. When the input is activated, the relay output turns ON for the preset time Td, then turns OFF for the same preset time Td. This ON/OFF cycle repeats continuously until the input signal is removed.



Dimension





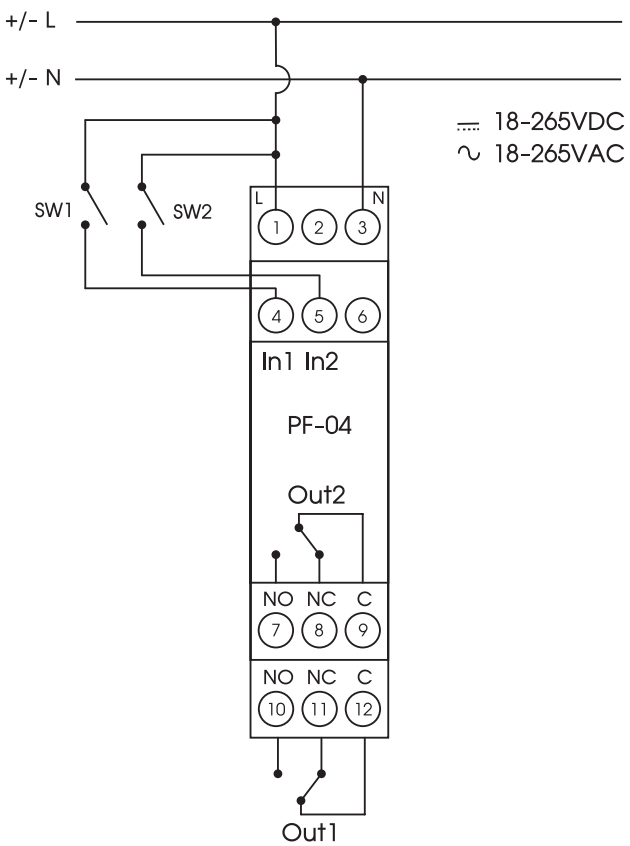
LED OUT1: Indicates the status of Relay OUT1.
LED ON = Relay ON, LED OFF = Relay OFF

LED OUT2: Indicates the status of Relay OUT2.
LED ON = Relay ON, LED OFF = Relay OFF

LED T1: Indicates the status of Timer 1 circuit.
Steady ON = Ready to operate, flashing every 1 second when Timer 1 is counting

LED T2: Indicates the status of Timer 2 circuit.
Steady ON = Ready to operate, flashing every 1 second when Timer 2 is counting

Wiring Diagram



WARNING	• 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 - 04 - [Time Range]

Time Range	
1	10 Sec / 100 Sec
2	1 Minute / 10 Minute
3	1 Hr / 10 Hr