PF-04 / SLIM TIMER 2 CHANNEL MULTI-FUNCTION TIMER

PRIMUS

Primus
User Manual

■ TECHNICAL SPECIFICATION

	PF-04-1	PF-04-2	PF-04-3
Power Supply			
Operating Voltage (Un)	18 - 265 VDC / 18 - 265 VAC		
Operating Frequency	50 - 60 Hz		
Power Consumption	< 3VA		
Time setting	10s =10 Second	1m =1 Minute	1Hr =1 Hour
Time Range (T_d)	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 ℃		
Operating Humidity	10 - 85% RH		
Connection	DIN RAIL Mounted		
Enclosure	ABS-V0 (UL-94 V0)		
Size (mm.)	62 x 18 x 90		
Weight	62 g.		

■ MODE 4 FUNCTION
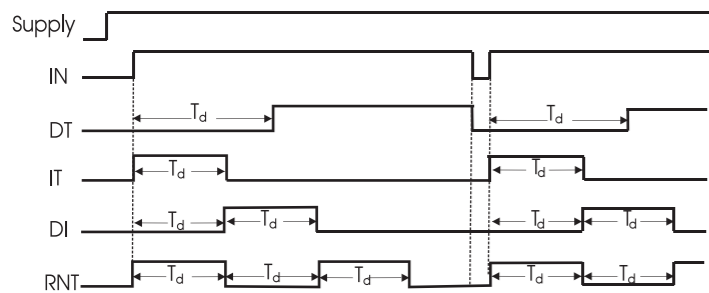
■ DESCRIPTION

- 2 Timers in one device.
- Multi-Function Timer that can choose the operation 4 Function are Delay ON Operate Timer, Interval Timer, Delay On Interval Time and Recycle Timer Start ON.
- There are 2 output can set by isolate from each other.
- Can choose 3 model are Range 10 seconds, 100 seconds, Range 1 minute, 10 minute and range 1 hour, 10 hours.
- Can use with AC or DC Supply.
- Small and Compact Size and DIN RAIL Installation.

■ OPERATION

PF-04 is the Multi-Function Timer device to keep 2 Timer in one device. There are 2 input which can set the time insolate from each other. Timer 1 will operate and start to count the time when pin In1 connect with pin L. Timer 2 will operate and count the time connect to pin L can set by 4 function as follow.
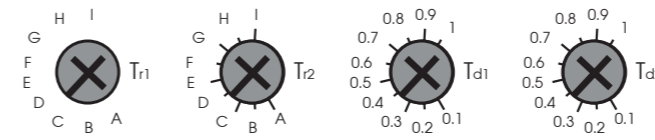
1. Delay ON Operate Timer (DT)

When it start the operation Relay Output will be OFF status and when Input supply to PF-04. It will delay by follow I_d from setting. When complete the time from setting Relay Output will ON all the time until it has Input supply again.

2. Interval Timer (IT)

When start operation Relay Output will operate in OFF status and when it have Input supply to PF-04 will order Relay Output operate ON and it will delay time follow T_d from setting. When it complete setting time. Relay Output will be OFF status all the time until Input supply again.

3. Delay On Interval Timer (DI)

When the device start operate. Relay Output will be OFF status and when Input supply to PF-04. PF-04 will delay Output until it will complete T_d from setting when it complete time. Relay Output will be in ON status follow T_d from setting and when it complete the time Relay Output will back to OFF status until supply input again.
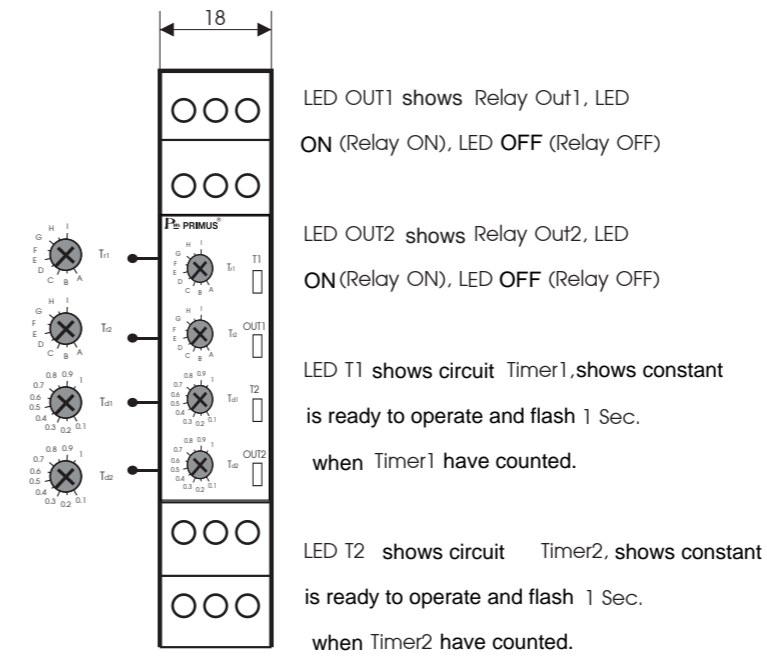
4. Recycle Timer Start ON (RNT)

When start operation. Relay output will be in OFF status. When Input supply to PF-04. It made Relay Output work ON follow T_d time. When it completes time Relay Output will stop operate follow T_d time. When it completes time Relay Output will stop follow T_d and Relay Output will operate like this repeat until the user stop supply Input.
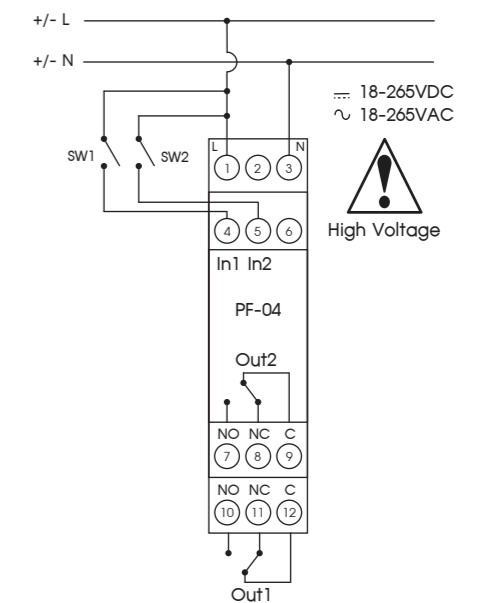
■ SETTING DELAY TIMER

Delay Time = $T_r \times T_d$

Exp. **choose** B Delay ON Operate Timer, Timer Range **is** 100 s , T_d = 0.5
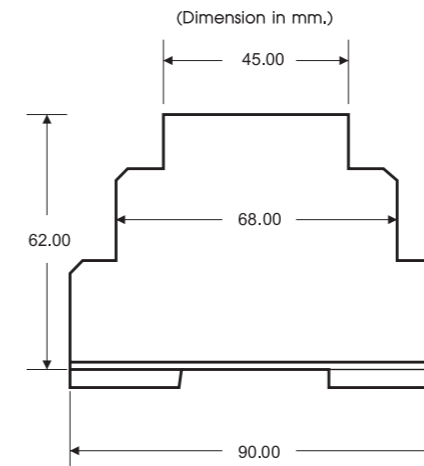
Delay Time = 100x0.5 = 50 s

	Function	Timer Range		
		PF-04-1	PF-04-2	PF-04-3
A	Delay On Operaton Timer (DT)	10s	1 Minute	1 Hr
B		100s	10 Minute	10 Hr
C	Interval Timer (IT)	10s	1 Minute	1 Hr
D		100s	10 Minute	10 Hr
E	Delay On Interval Timer (DI)	10s	1 Minute	1 Hr
F		100s	10 Minute	10 Hr
G	Recycle Timer Start ON (RNT)	10s	1 Minute	1 Hr
H		100s	10 Minute	10 Hr

LED OUT1 shows Relay Out1, LED **ON** (Relay ON), LED **OFF** (Relay OFF)

LED OUT2 shows Relay Out2, LED **ON** (Relay ON), LED **OFF** (Relay OFF)

LED T1 shows circuit Timer1, shows constant is ready to operate and flash 1 Sec. when Timer1 have counted.

LED T2 shows circuit Timer2, shows constant is ready to operate and flash 1 Sec. when Timer2 have counted.

■ WIRING DIAGRAM

■ DIMENSION

(Dimension in mm.)

■ ORDERING CODE

PF - [04] - [ ] Time Range

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