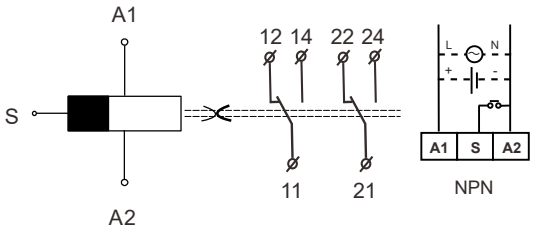
FCT18-B2WN

Installation and Operation Manual

1.Parameters

	FCT18-B2WN
Input	
Input Terminal	A1 - A2
Supply Voltage	12-240V AC/DC
Power Consumption	AC 3.5VA/ DC 2.0W
Voltage Tolerance	-15%~+10%
Control Circuit	
Control Terminals	A2-S
Control Pulse Length	min.25ms / max. unlimited
Time Circuit	
Function	Off-Delay
Time Range	0.1s-100days
Time Setting	Button
Time Deviation	0% - Digital Setting
Repeat Accuracy	0.2%
Temperature Coefficient	0.01 %/°C, at = 20 °C (0.01 %/°F, at = 68 °F)
Output	
Contact	2 x SPDT
Rated Current	16A @ 250V AC
Mechanical life	1 × 10^7 operations
Electrical Life	1 × 10^5 operations
Other	
Operating temperature	–20 .. 55 °C (–4 .. 131 °F)
Storage temperature	–30 .. 70 °C (–22 .. 158 °F)
Mounting	DIN rail EN 60715
Protection degree	IP40 from front panel/IP10 terminals
Pollution degree	2
Max. cable size (mm^2)	AWG13-20 0.4N·m
Dimensions	90*18*64 mm
Standards	GB/T 14048.5, IEC60947-5-1, EN6812-1

2. Installation and Wiring



A1	L / +	AC / DC 12-240V
A2	N / -	
S	Control Signal	

R1-Max. 16A/250Vac		
11	12	14
C	NC	NO

R2-Max. 16A/250Vac		
21	22	24
C	NC	NO

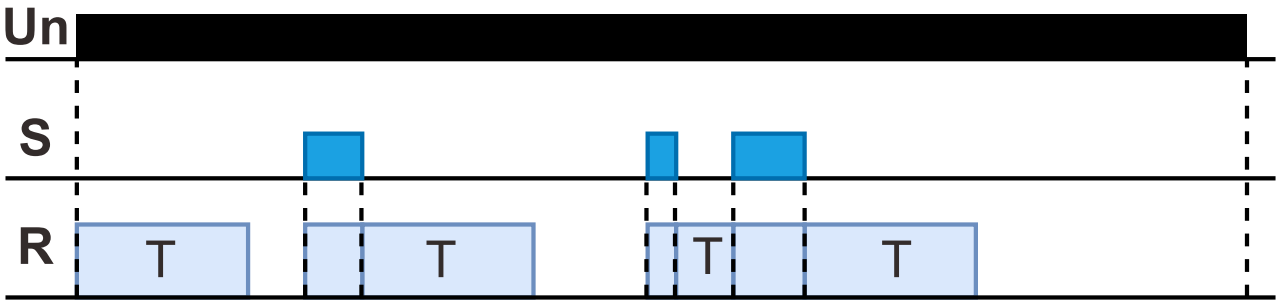
3. Safety Instructions

●Keep the power supply disconnected during the entire installation process

●Carefully check the wiring diagram and follow it correctly

●Adhere to the specified voltage and current limits for each connection terminal

4. Function Diagram

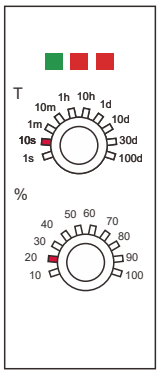


Relay NO contact closed
Supply voltage is applied
Control signal is applied
T Timing in progress

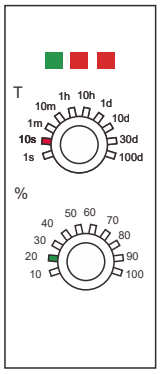
5. Panel

Un	Unlit	Supply voltage not applied
	Lit	Supply voltage applied
R1 R2	Unlit	NC (11-12 / 21-22) contact closed
	Lit	NO (11-14 / 21-24) contact closed
	Flashing	Timing in progress
T	Time Range Setting	
%	Fine time setting	

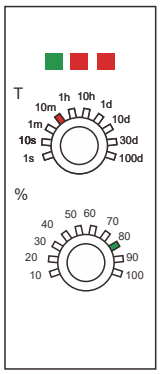
7. Setting Example



T: 2m(10m*20%)



T: 2. 5m(10m*25%)



T: 8.5m (10 m*85 %)

6. Setting

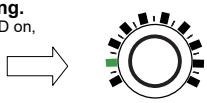
1.Enter Parameter Setting Mode

To set new parameters, press and hold the button until the **LED starts flashing.**

2.Confirm New Parameters

After adjusting the parameters to your desired values, press and hold the button until the **LED stops flashing.**

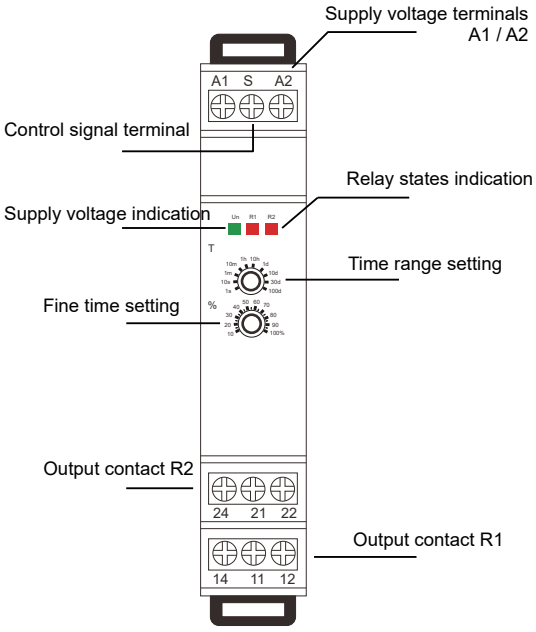
*Setting the specified value of time range, when the green LED on, add 5% to the setting indicated on the scale.



3.Make Parameters Effective

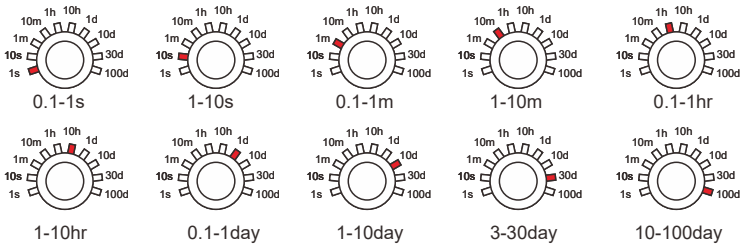
To activate new parameters, **power off and restart the device**

8. Description



9. Setting Details

Time range setting



Fine Time setting