



Wiper Relay WM1930

L×W×H(mm):30×30×30



Features

- Miniature;
- Terminal types as inserting;
- Surface mount advanced technology;
- Suitable for automobile wiper

Ordering Information

<u>WM1930</u>	- <u>12</u>	- <u>M</u>
1	2	3
1 Part number: WM 1930		
2 Rated Voltage(VDC): 12: 12V; 24: 24V		
3 Cover: M: Metal Bracket; Nil: No Bracket		

Contact Data

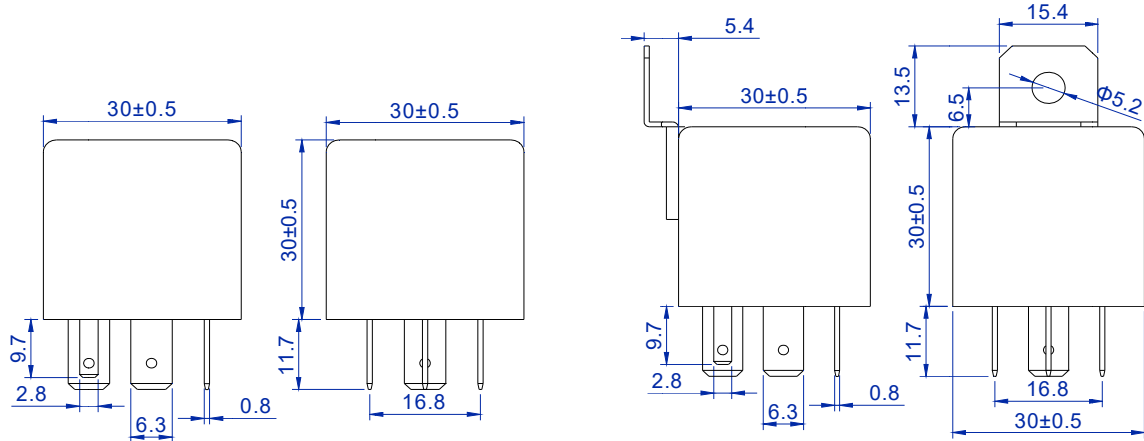
Model	Rated Voltage (VDC)	Operating Voltage (VDC)	Rated Load (W)	Dimensions (mm)
WM1930-12	12	10~15	50	30×30×30
WM1930-24	24	20~30	50	30×30×30

Operation condition

Cleaning Wiper Time	4~6s
Intermittent Wiper Time	4~6s
Electrical durability	1×10 ⁵ @ 50W
Voltage drop	≤150mV (5A)
Shock resistance	196m/s ²
Vibration resistance	10~200Hz 49m/s ²
Terminals strength	100N
Ambient Temperature	-40℃~85℃
Weight(Approx.)	35g

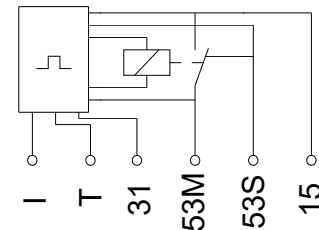
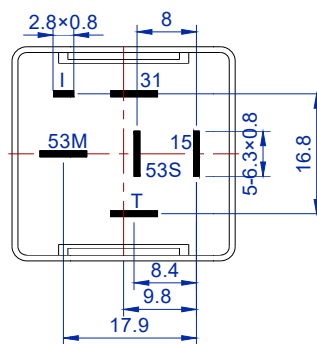
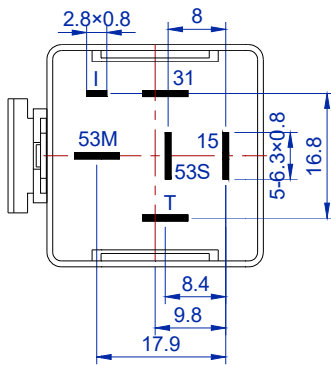
Layout (Bottom views, Unit: mm)

Dimensions / Wiring diagram (Bottom views)



Dimensions (No Bracket)

Dimensions (with Metal Bracket)

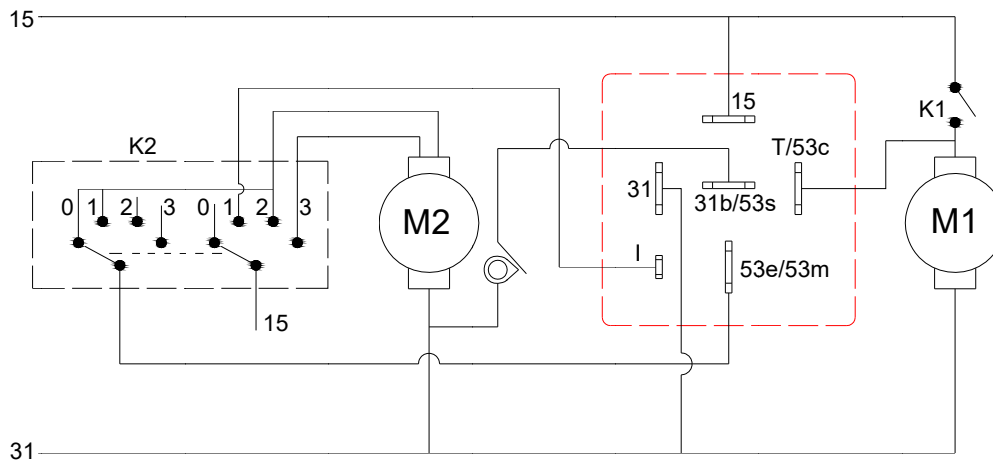


Terminal Layout (with Metal Bracket)
(Bottom views)

Terminal Layout (No Bracket)
(Bottom views)

Wiring diagram (Bottom views)

Application Wiring Diagram



M1:Cleaning pump, M2:Wiper motor, K2:Combined switch, K1:Cleaning switch

As shown in the diagram above, pin 15 is connected to positive pole of the power supply, while pin 31 is connected with the negative pole of the power supply. Pin I and pin 53M are connected to the combined switch, pin 53S is connected to the wiper motor gear switch, pin T is connected to the cleaning pump switch.

- 1) Cleaning: When K1 is ON, M1 starts working, the inside relay gets ON, M2 starts working.
When K1 is switched OFF, M2 will stop after 4-6 seconds.
- 2) Intermittent Wiper: When K2 is switched to position 1, current will go through pin I, then the inside relay gets ON, M2 starts working.
After one cycle, pin 53S gets 0V, M2 stops. After 4-6 seconds later, M2 starts working again, repeating the above-mentioned actions.