

12V 24V 30V Multifunctional DC Motor Controller Switch Automatic Reversal DC motor Control for SCM PLC and other upper control

Lieferung

1X DC Drehzahlregler

Item specifics

Input:12-30V

Power: 100W For 12V,

Power2: 200W For 24V

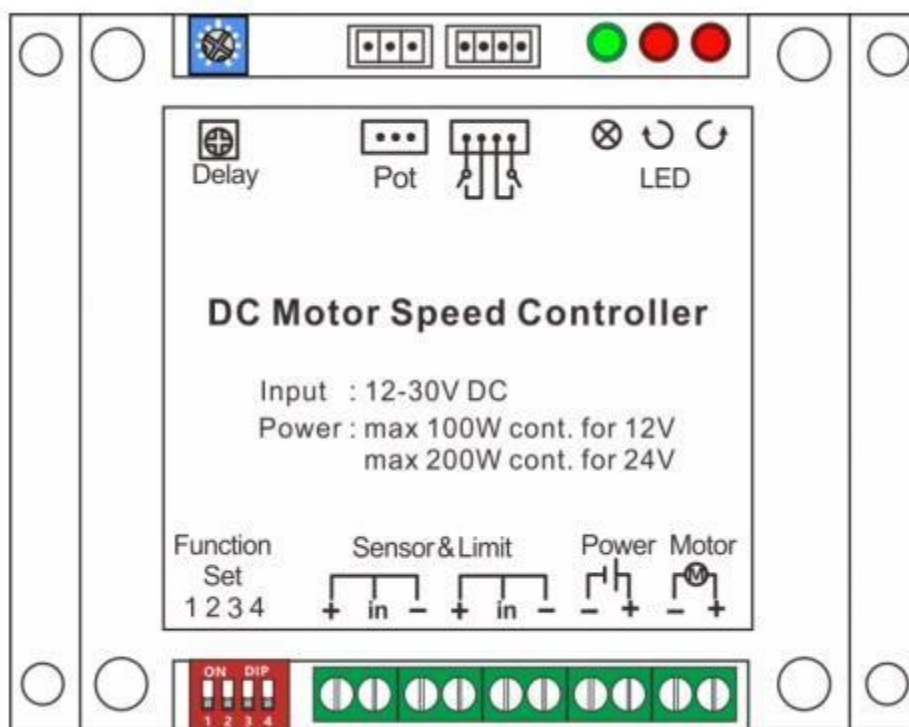
Color:White

LED Lights:Power LED; Direction LED

INTRODUCTION

Multifunctional DC Motor Speed Controller can achieve simple automatic functions. It can adapt to a wide DC low voltage operating range and it's suitable for SCM, PLC and other upper control. It owns powerful function, stable performance and beautiful appearance.

INTERFACE POSITION DIAGRAM



STANDARD FEATURES

Provides variable speed capability for DC motor

Provides limit function

Motor achieves positive and reverse rotation automatically

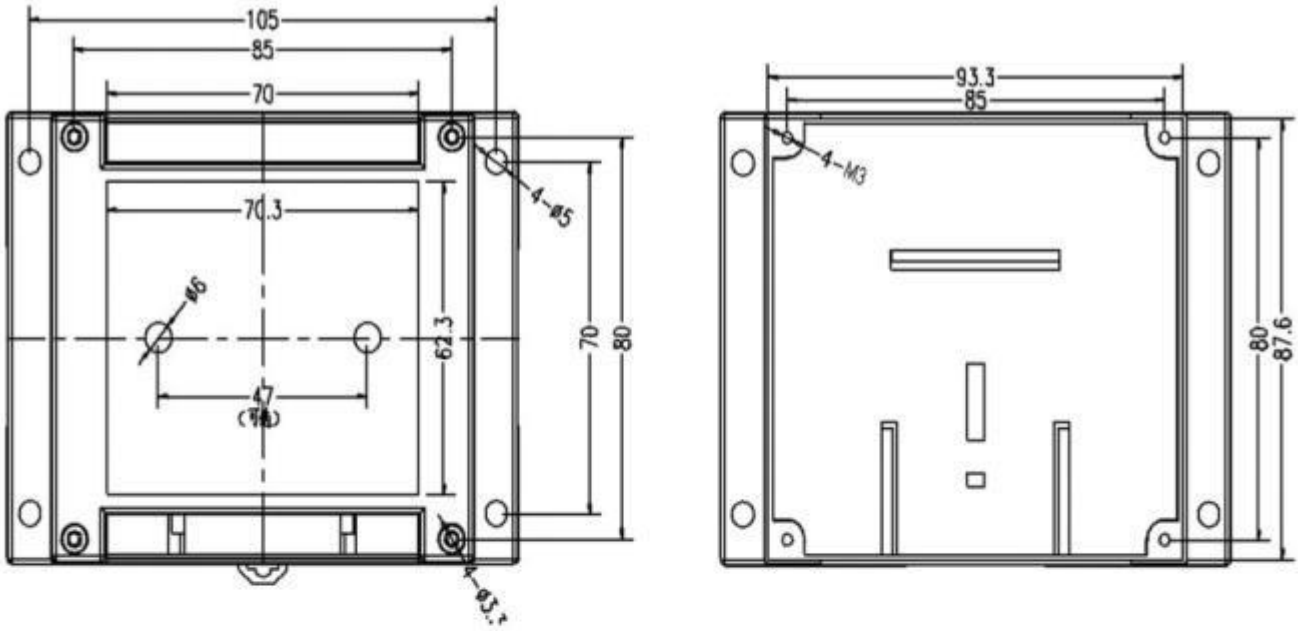
Controller, potentiometer and 4P connecting lines includes

SPECIFICATIONS:

Item size: 4.53*3.54*1.57 in

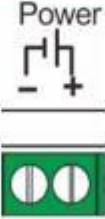
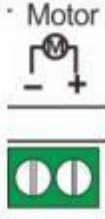

Net weight: 0.45lb

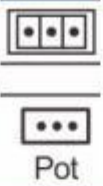
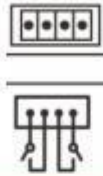
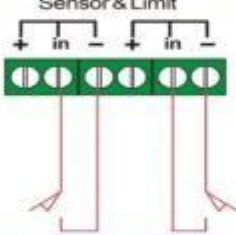
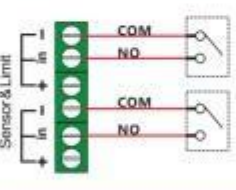
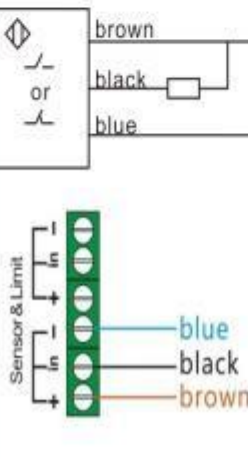
MECHANICAL INSTALLATION DIAGRAMS



Unit: mm


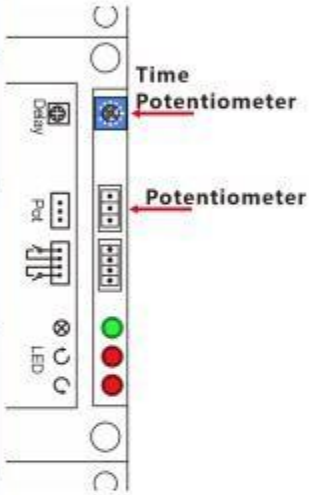







OPERATING INSTRUCTION

Program	Diagram	Interface Function
Power		Connected DC power as the diagram. Can used DC power, battery lead-acid cell, DC output transformer etc. Input voltage: 12-30V DC power supply ≥ 1.3 times of the motor power
Motor		Connected brushed DC motor as the diagram Motor power: max 100W cont. for 12V max 200W cont. for 24V
LED Lights		Power LED: power on, green LED lights; Direction LED: Red LEDs indicate the speed and direction of the motor

Program	Diagram	Interface Function
<u>Potentiometer</u>		Connect 10K or 100k <u>potentiometer</u> . Adjust the speed of DC motor
Signal Input Pin		Connect two manual switches to control the direction of motor
Limit Input Pin		Connect limit switches to achieve limit function
		Connect mechanical stroke switch (micro switch) to achieve limit function
		Connect photoelectric switch; proximity switch; hall switch (NPN normal open type) to achieve the limit function


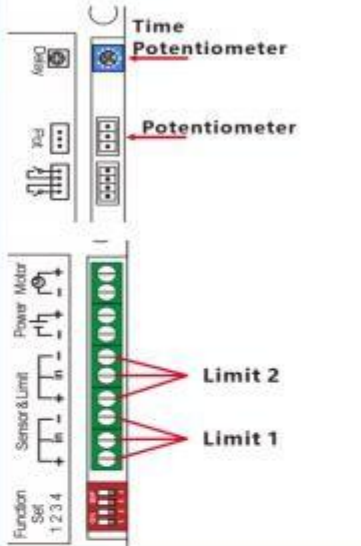

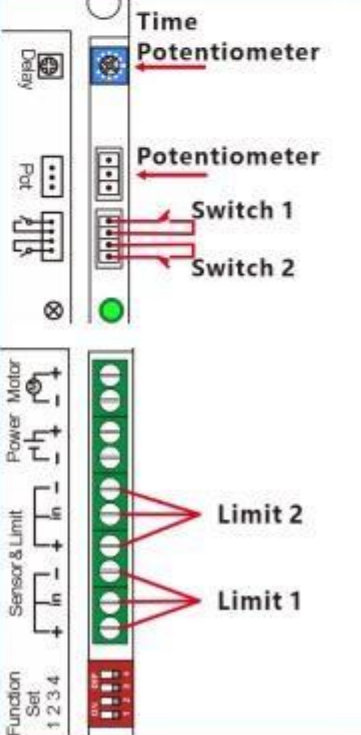
FUNCTION SET

After setting the "Function set", power up again, then it is in the state of setting.
 Potentiometer adjust speed: 0-100%
 Time potentiometer adjust "n" time

NO	Function Set Status	Function Description	Input Pins Mode Of Connection
2		Positive rotation for "n" seconds, stop for 0.5s ; Reverse rotation for "n" seconds, stop for 0.5s . Cyclic control. ("n"= 0s-10s)	
3		positive rotation for "n" seconds ,stop for 0.5s ; reverse rotation for "n" seconds ,stop for 0.5s Cycle control ("n"= 10-20s)	
4		Positive rotation for "n" seconds ,stop for 1s ; Reverse rotation for "n" seconds ,stop for 1s Cycle control ("n"= 0-10s)	
5		Positive rotation for "n" seconds ,stop for 1s ; Reverse rotation for "n" seconds ,stop for 1s Cycle control (n= 10-20s)	
6		Positive rotation for "n" seconds ,stop for 2s ; Reverse rotation for "n" seconds ,stop for 2s Cycle control (n= 0-10s)	
7		Positive rotation for "n" seconds ,stop for 2s ; Reverse rotation for "n" seconds ,stop for 2s Cycle control (n= 10-20s)	
8		Press switch 1, positive rotation for "n" seconds then stops; press switch 2, reverse rotation for "n" seconds then stop ("n"= 0.1-10s).	
9		Press switch 1, positive rotation till release switch 1; Press switch 2, reverse rotation till release switch 2;	


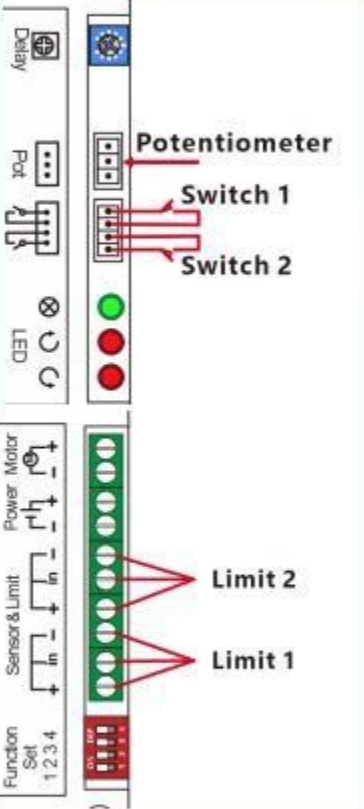
FUNCTION SET

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 Potentiometer adjust speed: 0-100%
 Time potentiometer adjust "n" time

NO.	Function Set Status	Function Description	Input Pins Mode Of Connection
10		<p>Power up, Positive rotation to limit 1 ,stop for "n" seconds; Then reverse rotation to limit 2 ,stop for "n" seconds; Cycle control (n=0-10s)</p>	
11		<p>Press start button (switch 1), positive rotation to limit 1, stop for "n" seconds, then reverse rotation to limit 2, stop for "n" seconds, Cycle control. (n=0.1-10 s) Press rest button (switch 2), motor return to limit 2.</p>	


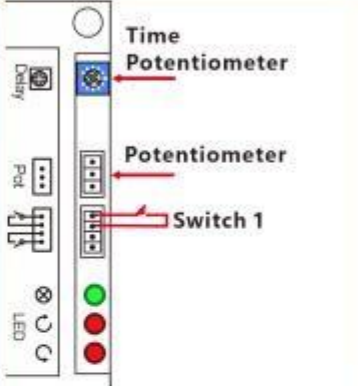
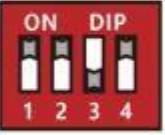
FUNCTION SET

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 Time potentiometer adjust "n" time

NO.	Function Set Status	Function Description	Input Pins Mode Of Connection
12		<p>Presses switch 1, positive rotation to the corresponding limit switch then stop; Presses switch 2, reverse rotation to the corresponding limit switch then stop.</p>	 <p>The diagram shows the following connections on the control board:</p> <ul style="list-style-type: none"> Potentiometer: Connected to the top row of pins. Switch 1: Connected to the second pin of the top row. Switch 2: Connected to the third pin of the top row. Limit 2: Connected to the second and third pins of the middle row. Limit 1: Connected to the first and second pins of the middle row. Function Set: A separate row of four pins at the bottom, corresponding to the four DIP switches.

FUNCTION SET

After setting the "Function set", power up again, then it is in the state of setting.
 Potentiometer adjust speed: 0-100%
 Time potentiometer adjust "n" time

NO.	Function Set Status	Function Description	Input Pins Mode Of Connection
13		<p>Press start button (switch 1). Positive rotation for "n" seconds; Stop for "n" seconds; Then reverse rotation for "n" seconds. (n=<u>0.1-10 s</u>) In operation, the switch 1 is not valid.</p>	
14		<p>Press start button (switch 1). Positive rotation to limit 1, stop for "n" seconds; Then reverse rotation to limit 2, and stop. (n=<u>0.1-10 s</u>) In operation, the switch 1 is not valid.</p>	