

DMX Controller Operation Instruction Tronix 214-113

I. leading indicator

Working temperature :-20-60°C **Voltage input** :DC 12V~24V **External dimension:** L127*W42*H33 (mm)
Net weight:180g **Maximum payload current** : 6A (each channel)
Connecting mode: common anode **Output:** 3 CMOS drain electrode opening

II. Function : This product is in compliance with DMX512 protocol.

1. Each universal DMX controller takes up 3 DMX addresses. It adopts the code switch to set up address, the 10th bit(FUN) is "off" status, and other 9 bits are binary value code switch which are used to set up the DMX starting address code. The first bit is the lowest order bit, and the ninth is the highest order bit. That can set up 511 address codes. The DMX starting address code is equal to the sum of 1st to 9th bit. If move down one bit of code switch ("ON" set "1"), you can get the place value of this bit. If move up (set "0"), the place value is 0. For example: if you want to set up DMX starting address code for 73, you should move down the 7th, 4th, and 1st bit of code switch for "1", and others for "0", Then the place value's sum of 1st to 9th bit is 64+8+1. That is to say, the DMX512 starting address code is 73. (The correspondence dials code position is as follows)

To choose the channel from the Dial in-line Package(DIP) Switch:

Decimals	1	2	3	4	5	6	7	8	9	10
Weight number	1	2	4	8	16	32	64	128	256	FUN

2. Signal detection way: When FUN(10)=OFF, and receiving the main control console DMX512 signal, the green signal light on the outer covering would twinkle fast. At the moment, the state of luminaries is controlled by the console. When FUN(10)=ON, the green signal light's speed would slow down. This time, the state of luminaire is controlled by the addressable switch.

3. ①When FUN(10)=ON, the function table is as follows show:

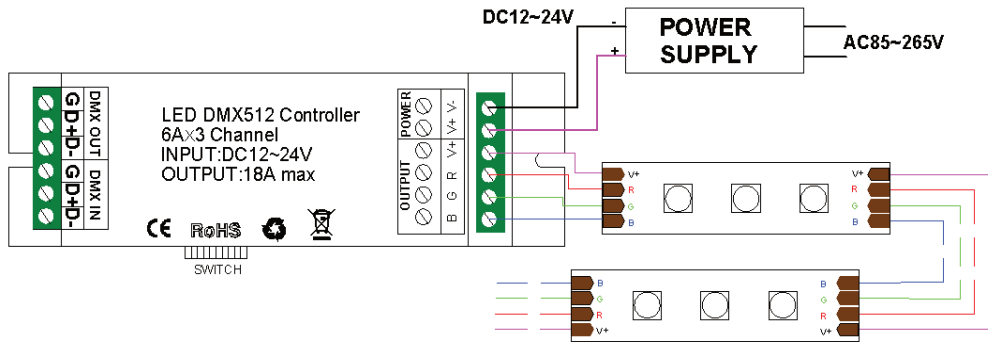
Pulling out code switch's bit	Function
1-9 switch OFF	Black
Switch 1=ON	Red
Switch 2=ON	Green
Switch 3=ON	Blue
Switch 4=ON	Yellow
Switch 5=ON	Purple
Switch 6=ON	Cyan
Switch 7=ON	white
Switch 8=ON	Seven-color jumpy changing (8 grades of speeds are available)
Switch 9=ON	All-color gradual changing (8 grades of speeds are available)

②When Fun(10)=ON, and 8th or 9th bit being for "ON", switch 1 to 7 are for available grade of speed. There are 8 grades altogether. Like following table:

Pulling out code switch's bit	Function
1-7 switch OFF	0 grades of speeds
Switch 1=ON	1 grades of speeds
Switch 2=ON	2 grades of speeds
Switch 3=ON	3 grades of speeds
Switch 4=ON	4 grades of speeds
Switch 5=ON	5 grades of speeds
Switch 6=ON	6 grades of speeds
Switch 7=ON	7 grades of speeds (maximum speed)

③ When all switches are "ON" at the same time, the more value is taken as final.

III. Connection chart:



IV. Warning:

1. Supply voltage of this product is DC12V to 24V;
2. Warranty of this product is one year, but exclude the artificial situation of damaged or overload working.