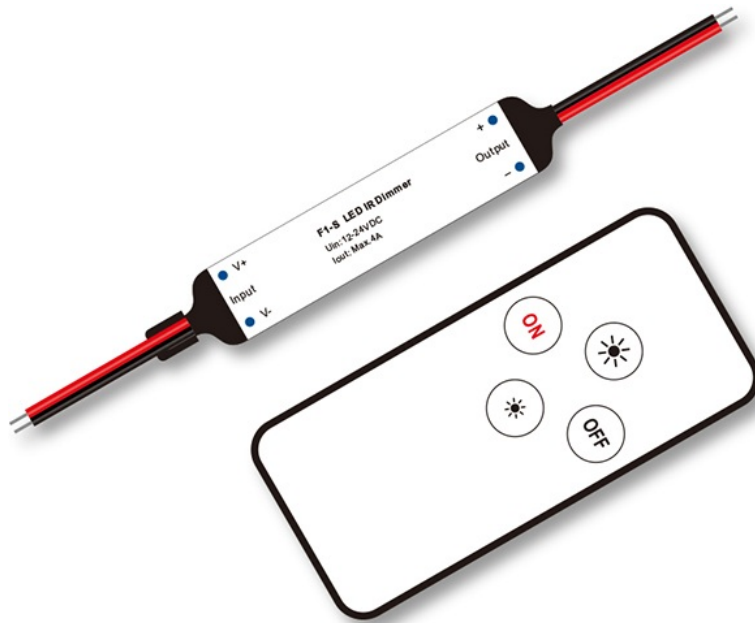


SKYDANCE F1-D 3-Key Single Color LED IR Controller User Manual

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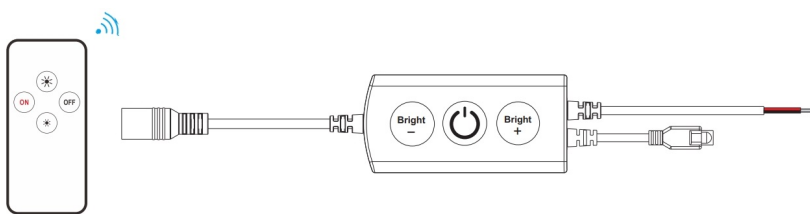
SKYDANCE F1-D 3-Key Single Color LED IR Controller User Manual



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Product Overview



Features

- 1 channel constant voltage single color LED mini controller.
- 3 key operation with on/off and dimming.
- 5A output, connect with 5 meters single color LED strip.
- 8192 levels 0-100% dimming smoothly without any ash.

Technical Parameters

Input and Output	
Input voltage	12-24VDC
Output voltage	12-24VDC
Output current	Max. 5A
Output type	Constant voltage

Safety and EMC

EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED

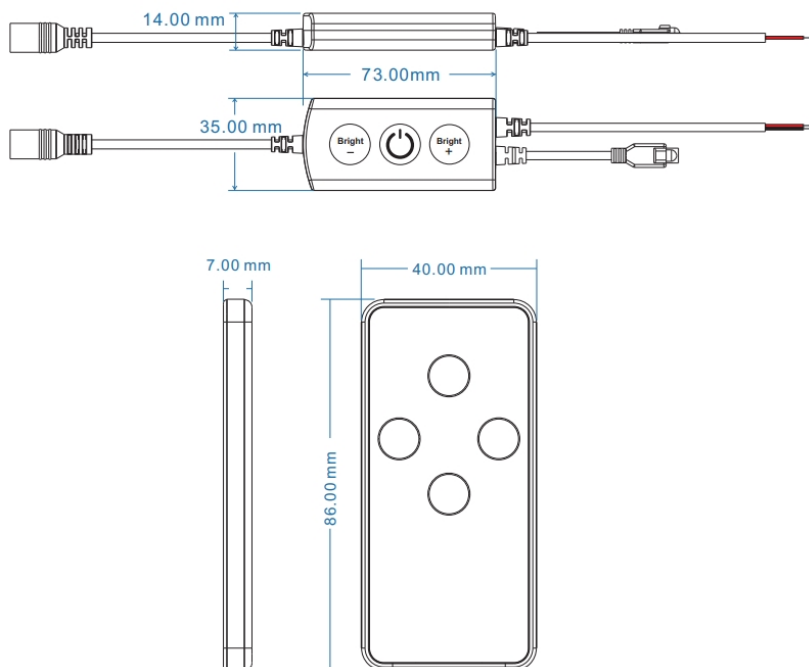
Warranty and Protection

Warranty	5 years
Protection	Reverse polarity Over heat Short circuit

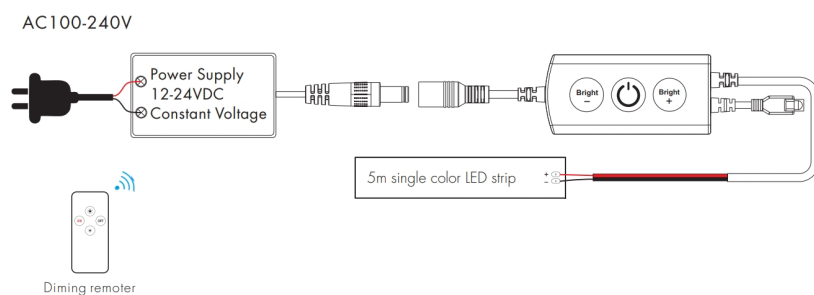
Dimming data	
Input signal	IR
Control distance	10m(Barrier-free space)
Dimming gray scale	8192 (2 ¹³) levels
Dimming range	0 -100%
Dimming curve	Logarithmic
PWM Frequency	2000Hz (default)

Environment	
Operation temperature	Ta: -30 OC ~ +55 OC
Case temperature (Max.)	T c:+85OC
IP rating	IP20

Dimension



Wiring Diagram



Key Function of controller



:Turn on or off light.

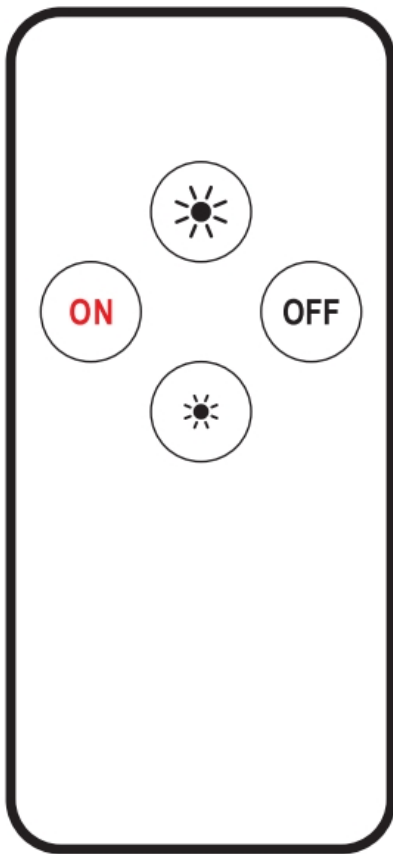


:Brightness -, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.



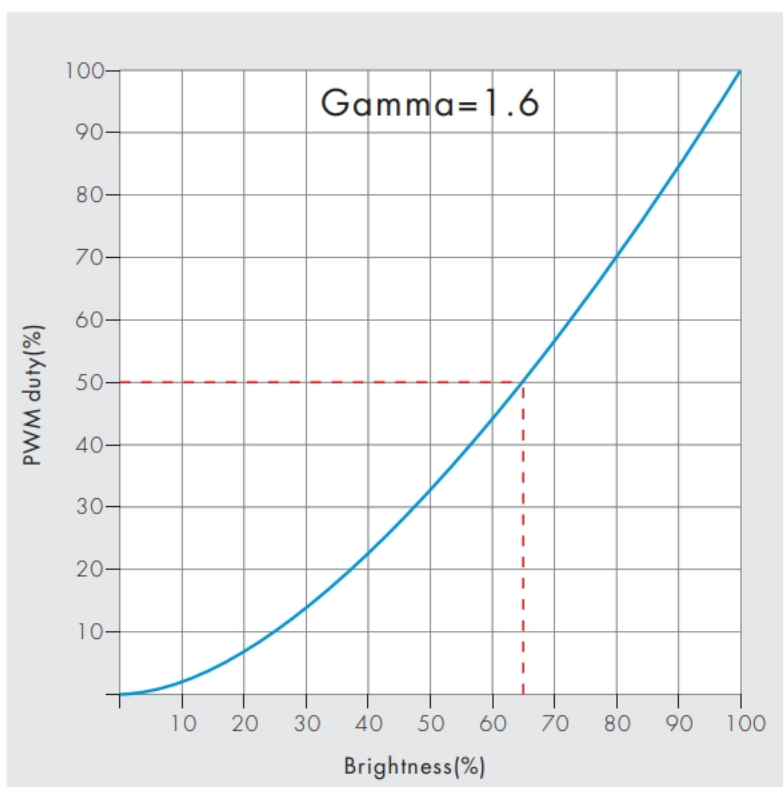
:Brightness +, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.

Key Function of remoter



- : Turn on the light
- : Turn off the light.
- : Increase brightness,
Short press 10 levels, long press 1-6s for continuous 256 levels adjustment.
- : Decrease brightness,
Short press 10 levels, long press 1-6s for continuous 256 levels adjustment

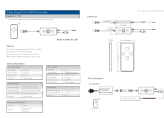
Dimming Curve



Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance.	1. Replace battery. 2. Reduce remote distance.

Documents / Resources

	SKYDANCE F1-D 3-Key Single Color LED IR Controller [pdf] User Manual F1-D, 3-Key Single Color LED IR Controller, F1-D 3-Key Single Color LED IR Controller
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