LDT-SPI-SPLIT-2OUT

Two-Output SPI Data & Clock Signal Splitter

Duplicate a compatible SPI data-and-clock stream into two synchronised signal branches for addressable lighting.

Supply voltage	5-24 VDC
Input signal	1 group SPI (TTL): data + clock
Output type	2 groups SPI (TTL): data + clock
Maximum input current	0.5 A
Operation	Synchronous duplication of the input pixel stream
Operating temperature	-30 to +55 °C
Maximum case temperature	+65 °C
IP rating	IP20
Body dimensions	52 x 52 x 26 mm

This splitter has two output groups, not four. It duplicates one stream and does not create independently programmed pixel zones.

The following reference pages include the complete wiring, dimensions, settings and operating instructions. Use the lighting and hardware variant identified above; shared references may illustrate other separate models.

SPI

SPI Signal Splitter



- Split 1 group SPI signal (data+clock) to 2 group SPI signals.
- Used with SPI controller, applied to synchronous control multiple SPI digital RGB or RGBW LED strips.

CE RoHS emc RED

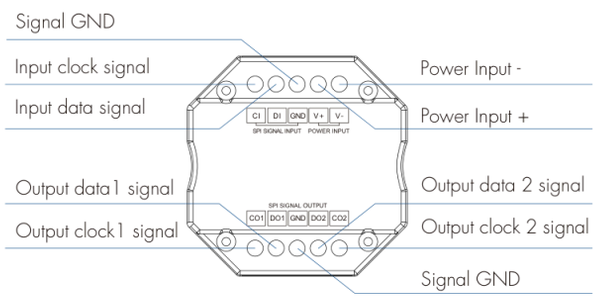
Technical Parameters

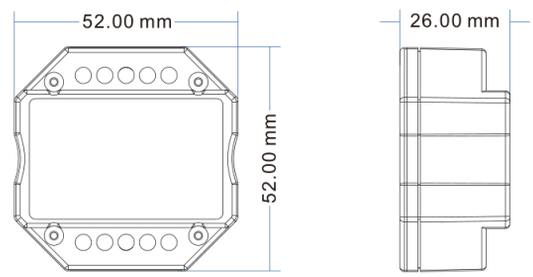
Input and Output	
Input voltage	5-24VDC
Input Current	0.5A Max.
Input signal	1 group SPI (TTL) signal
Output signal	2 group SPI (TTL) signals
Warranty and Protection	
Warranty	5 years
Protection	Reverse Polarity

Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature(Max.)	Tc: +65°C
IP rating	IP20
Package	
Size	L60 x W60 x H40mm
Gross weight	0.049kg

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 61348-1:2015+A1:2021 EN 61348-2-13:2014+A1:2017
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,RED

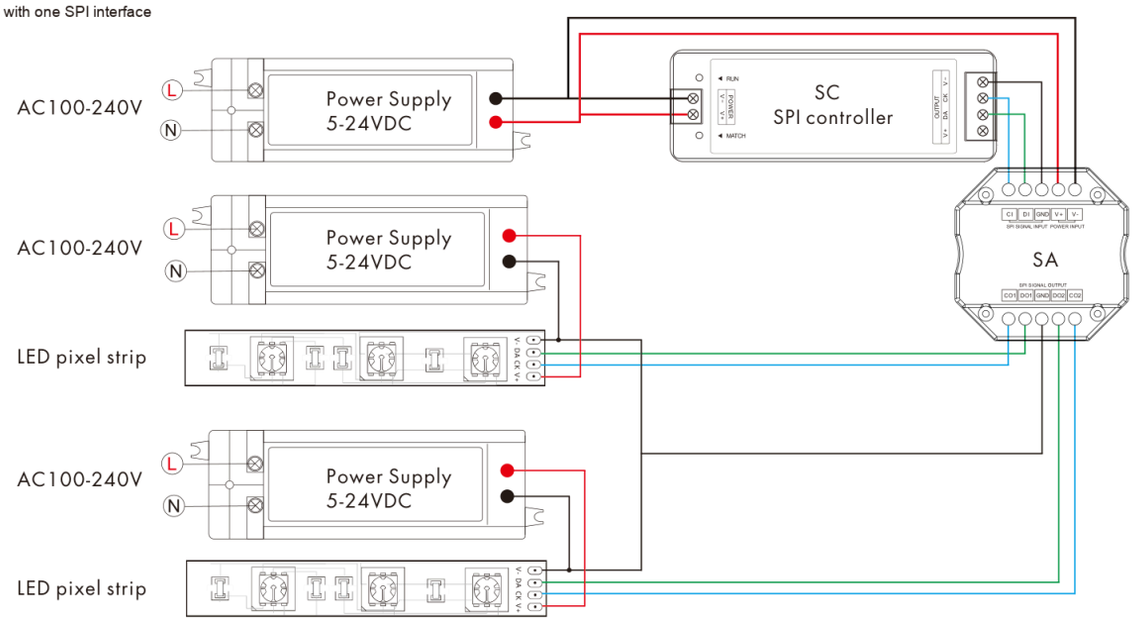
Mechanical Structures and Installations



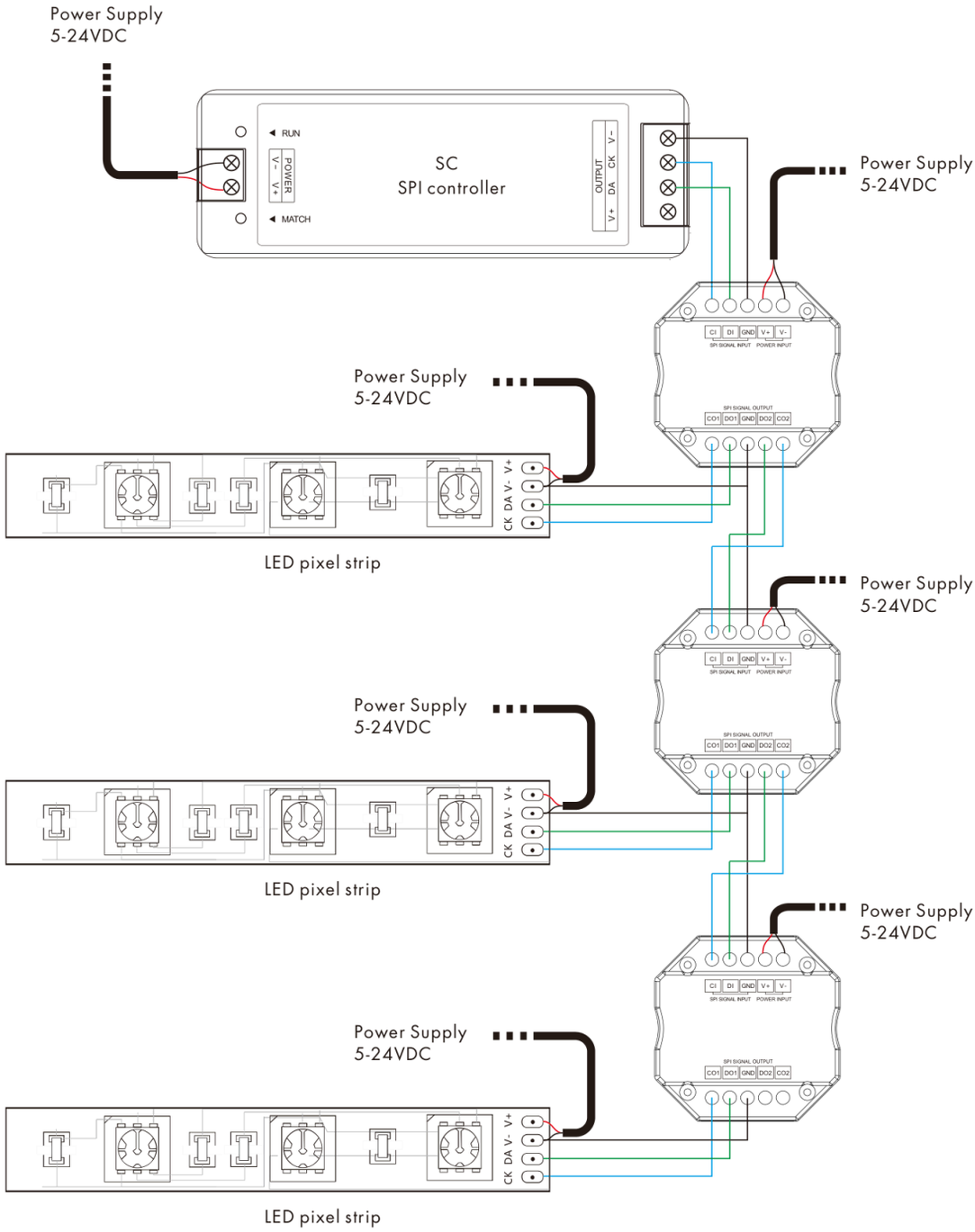


Wiring Diagram

- Connect with one SPI interface



• Multiple SPI interface cascade connect



Note:

• If the SPI LED pixel strip is single-wire control, the DATA and CLK output is same, each SPI interface can connect up to 4 LED strips.

• If the SPI LED pixel strip is two-wire control, each SPI interface connect up to 2 LED strips.