



SPI 1-to-2 Signal Splitter Amplifier for Addressable LED Strip, 5-24V DC

- Splits one SPI signal into two independent outputs
- Operates across a 5-24V DC input range
- Maintains per-LED precision control via SPI protocol
- Supports synchronized operation across multiple LED strip runs
- Rated for 50,000-hour LED lifetime
- Backed by a 1-year warranty

OVERVIEW

The C-SP-AM2 is a 1-to-2 SPI signal splitter amplifier designed for use with addressable LED light strips. It receives a single SPI control signal and distributes it to two independent outputs, enabling multiple LED strip runs to operate from one controller without signal degradation.

The unit operates on 5-24V DC and uses SPI protocol to maintain precise, per-LED control across all connected outputs, making it suitable for installations where signal integrity and synchronized control across multiple strip segments are required. The device carries a 1-year warranty and is rated for an LED lifetime of 50,000 hours.

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

ELECTRICAL

Operating Voltage 5-24 V

ORDERING

Warranty 1 y

APPLICATIONS

- Multi-run addressable LED strip installations
- Architectural lighting control systems
- Signage and display lighting
- Commercial addressable lighting networks

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	5-24 V	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.