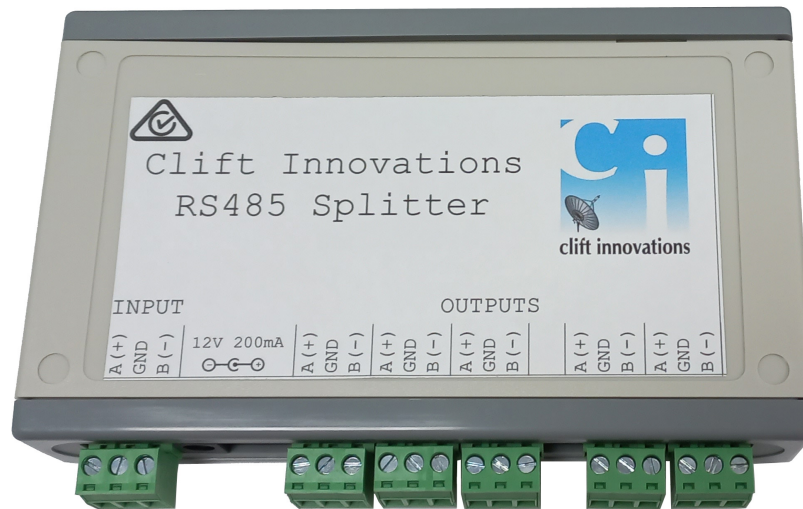


Clift Innovations



RS485 Splitter User's Manual

2025-09-30

The RS485 splitter is used in situations where multiple branches of cabling must be run to Bestlite displays or other accessories on the Bestlite RS485 bus. It takes a single RS485 input, and provides 5 outputs. The splitter is unidirectional.

The input includes a 100ohm termination resistor. Each of the RS485 outputs when used, should have a 100ohm termination resistor fitted to the end of the cable.

Power is provided by a 2.1mm DC barrel connector.

Key features:

- Size 155mm x 86mm x 29mm
- Unidirectional
- Low voltage 12V DC operation.
- 1 input, 5 outputs.
- Maximum baud 400kbps

Safety note - Installation must only be carried out by suitably qualified personnel holding an Australian open cabling registration, in accordance with local regulations.

Electrical characteristics

Supply voltage	8 - 16V DC
Current consumption	200mA
Temperature range	0 - 40°C
RS485 input impedance	100Ω
Differential Input threshold	+/- 200mV
Differential Output voltage	+/- 4V

Contact & Support

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Compliance

This product has been tested and found to comply with the following standards:

- **AS/NZS CISPR 15: Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment (EMC)**
- **AS/NZS 3820: Essential safety requirements for electrical equipment (Safety)**

Compliance with these standards allows this equipment to be used in residential, commercial, and light-industrial environments without causing harmful electromagnetic interference, and ensures that it meets the essential safety requirements for electrical equipment.

The product is intended for operation from a safety extra-low voltage (SELV) supply and for connection only to an RS485 communication bus. Installation must be carried out in accordance with local regulations by qualified personnel.

This equipment bears the Regulatory Compliance Mark (RCM) in accordance with the requirements of the Australian Communications and Media Authority (ACMA).

Supplied by Clift Solutions Pty Ltd, Responsible Supplier Number: E20891