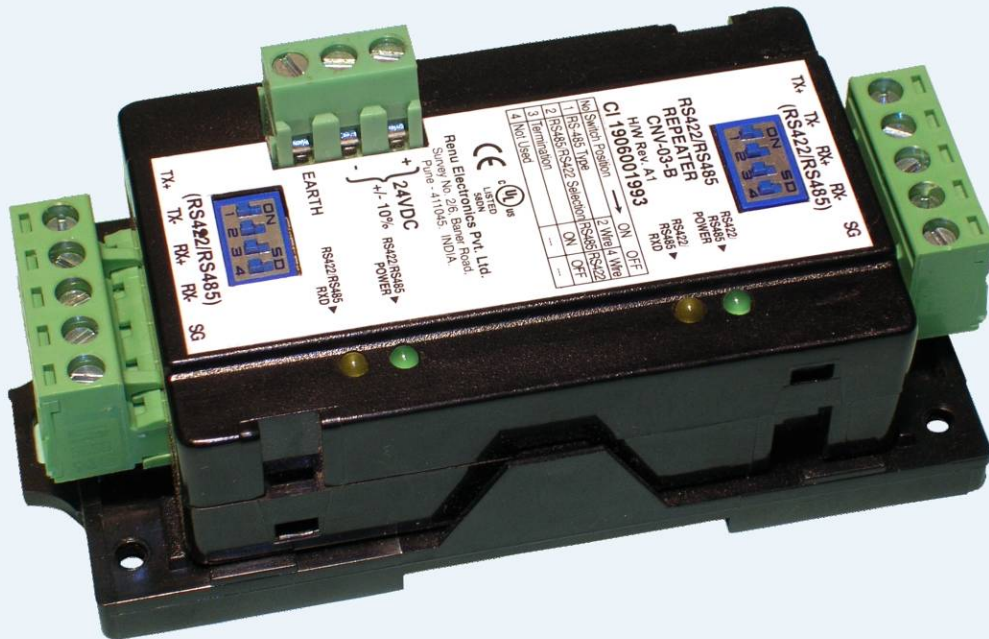


# Universal Repeater RS422/RS485



CNV-03-B

## Universal RS422 / RS485 Repeater:

- DIN rail or panel mounted compact Repeater
- External powered design
- Isolation of power and communication ports
- Automatic detection of communication baud rate
- Automatic control of transceiver direction
- CE / UL certification
- Easy to use plug and play device (no configuration software required)

## Specifications

Power Supply	: 24 VDC +/- 10 %, 2 Watt max	Immunity to ESD	: Level 3 as per IEC1000-4-2
Communication	: Two ports as follows: COM1: RS422 / RS485 COM2: RS422 / RS485	Immunity to Transients	: Level 3 as per IEC1000-4-4
Data Rates	: Up to 115.2 kbps.	Radiated Susceptibility	: Level 3 as per IEC1000-4-3
Distance (1200m)	: Unit transmits data up-to 4000 ft	Immunity to Conducted RF	: Level 3 as per IEC1000-4-6
Temperature	: Operating: 0° to 60 °C	Emissions	: EN55011 CISPR A
Storage	: - 40° to 90 °C	Certifications	: CE / UL
Power port Isolation	: 1 KV Isolation between communication ports and Power supply, through DC-DC coupler	Dimensions	: 101mm (L) X 40mm (D) X 51mm (W) (DIN RAIL mounting)
COM port Isolation	: 1KV Isolation between COM1 & COM2 through opto-isolation	Mounting	: Back Panel DIN Rail
Humidity	: 10% to 90% (Non condensing)	Weight	: 125 gms approximately

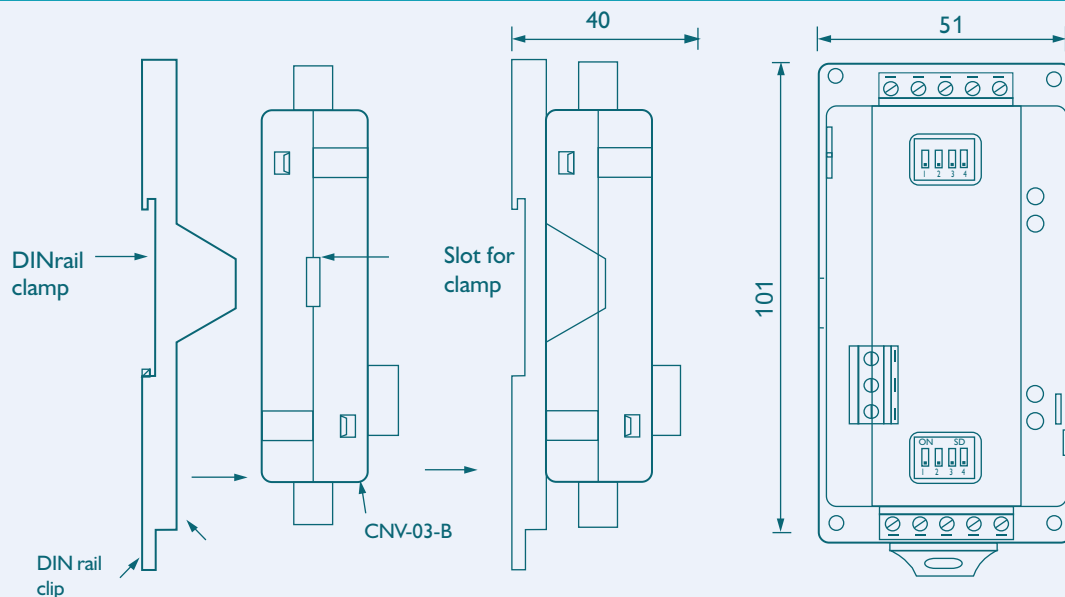
## Functionality

RS485 communication levels can physically support 32 nodes up-to a maximum distance of 1200 mtrs. CNV-03-B is a RS422 / RS485 repeater. It is used where more than 32 nodes are to be connected in the RS485 network or the distance between two nodes is more than 1200 mtrs. Multiple CNV-03-B units can be used to support the maximum of 255 nodes in one network.

CNV-03-B has 2 communication ports. Both the communication ports have screw type connectors. Communication ports as well as power port are isolated. CNV-03-B supports both 2 wire / 4 wire RS485 and RS422 configuration. Switch settings select 2 wire / 4 wire communication on each COM port.

CNV-03-B operates with a 24 VDC external supply.

## Dimensions



All dimensions are in mm.



### FACTORY

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