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 transreceiver direction

▶ Easy to use plug and play device (no configuration software required)

▶ CE / CSA with UL certification

● Specifications

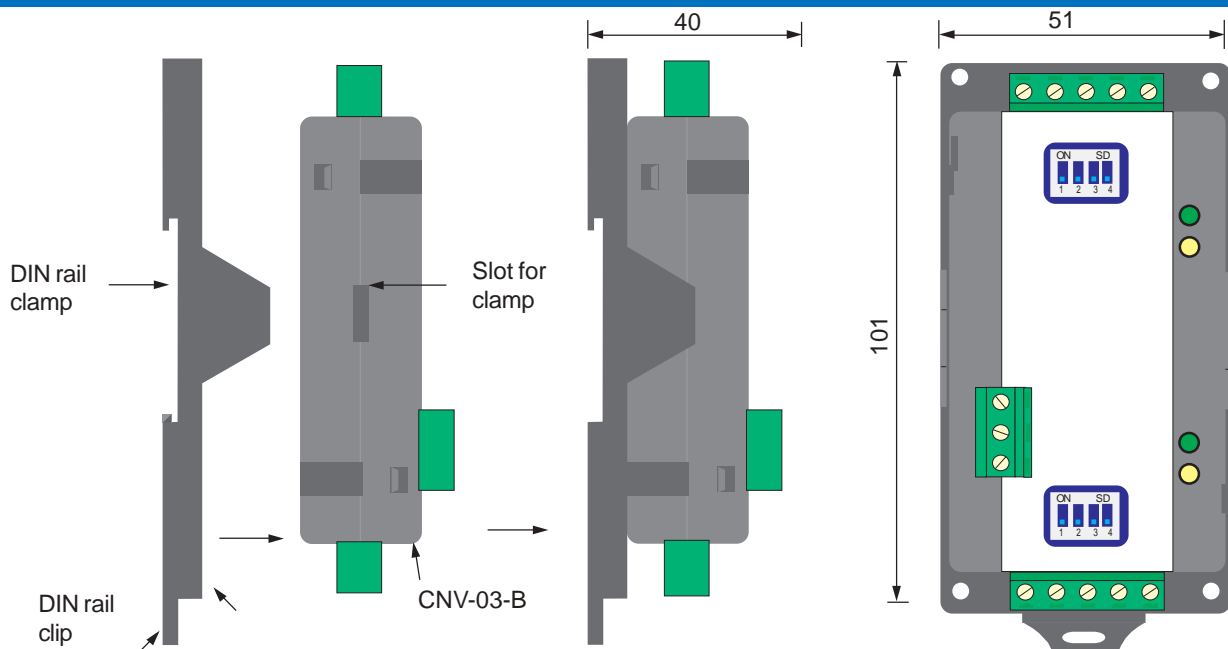|			
Power Supply	: 24 VDC +/- 10 %, 2 Watt max	Immunity to ESD	: Level 3 as per IEC1000-4-2
Communication	: Two ports as follows:	Immunity to Transients	: Level 3 as per IEC1000-4-4
	COM1 : RS422 / RS485	Radiated Susceptibility	: Level 3 as per IEC1000-4-3
	COM2 : RS422 / RS485	Emissions	: EN55011 CISPR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

● 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. CNV-03-B unit 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. It increases number of nodes connected in RS485 network. One CNV-03-B can increase maximum 32 nodes in the network. Multiple CNV-03-B units can be used to support maximum 255 nodes in one network.

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

CNV-03-B operates on 24 VDC external supply.

● Dimensions

DIN rail clamp

Slot for clamp

DIN rail clip

CNV-03-B

40

51

101