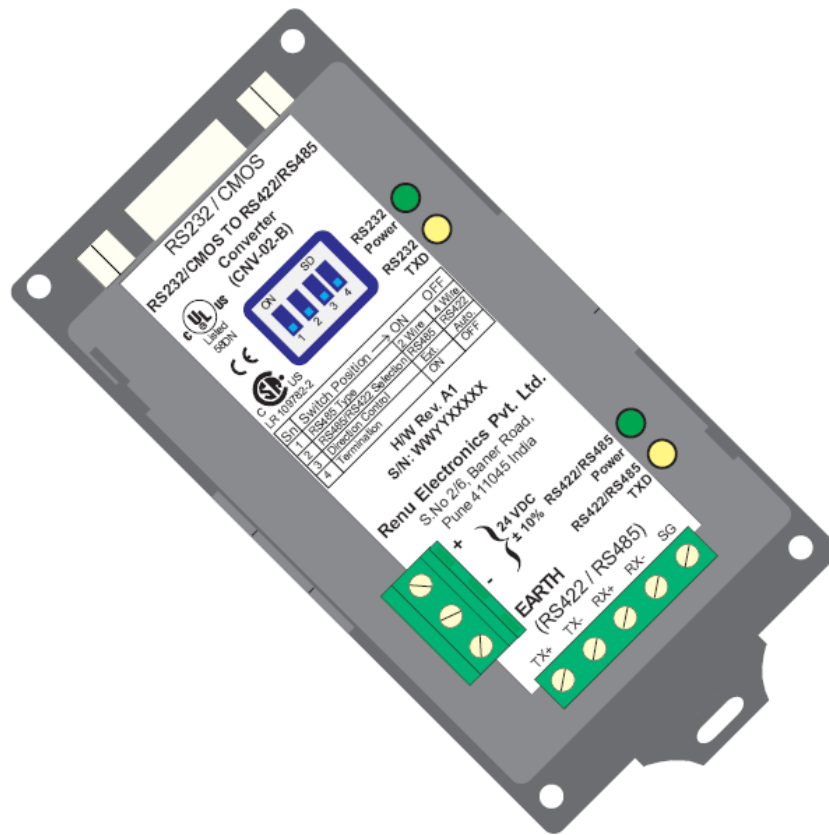


# ● Universal RS232 / CMOS to RS422 / RS485 Converter



## Universal RS232 / CMOS to RS422 / RS485 Converter

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

# Specifications

Power Supply	: + 24 VDC $\pm$ 10 %, 2.0 watts max (for externally powered model)	Immunity to ESD	: Level 3 as per IEC1000-4-2
<b>Communication</b>	: <b>Two ports as follows:</b>	Immunity to Transients	: Level 3 as per IEC1000-4-4
COM1	: RS232 / CMOS	Immunity to Radiated RF	: Level 3 as per IEC1000-4-3
COM2	: RS422 / RS485	Immunity to Conducted RF	: Level 3 as per IEC1000-4-6
Data Rates	: Upto 115.2 kbps.	Emissions	: EN55011 CISPR A
Distance	: Externally powered units transmit data upto 4000 ft (1200 m). Less with port powered model.	Certifications	: CE, CSA and UL
Temperature	: Operating: 0 to 60 °C	Dimensions	: 51mm (W) X 101mm (H) X 40mm (D)
Storage	: - 40 to 90 °C	Mounting	: DIN rail mounting or Back Panel
Humidity	: 10% to 90% (Non condensing)	Weight	: 125 gms approximately

# Models

Model	Power Supply	Isolation		Part Number
		Between COM Ports	Between COM Ports & Power	
CNV-01	+ 24 V DC or port powered	No	Yes	CNV-01
CNV-02-B	+ 24 V DC external only	Yes	Yes	CNV-02-B

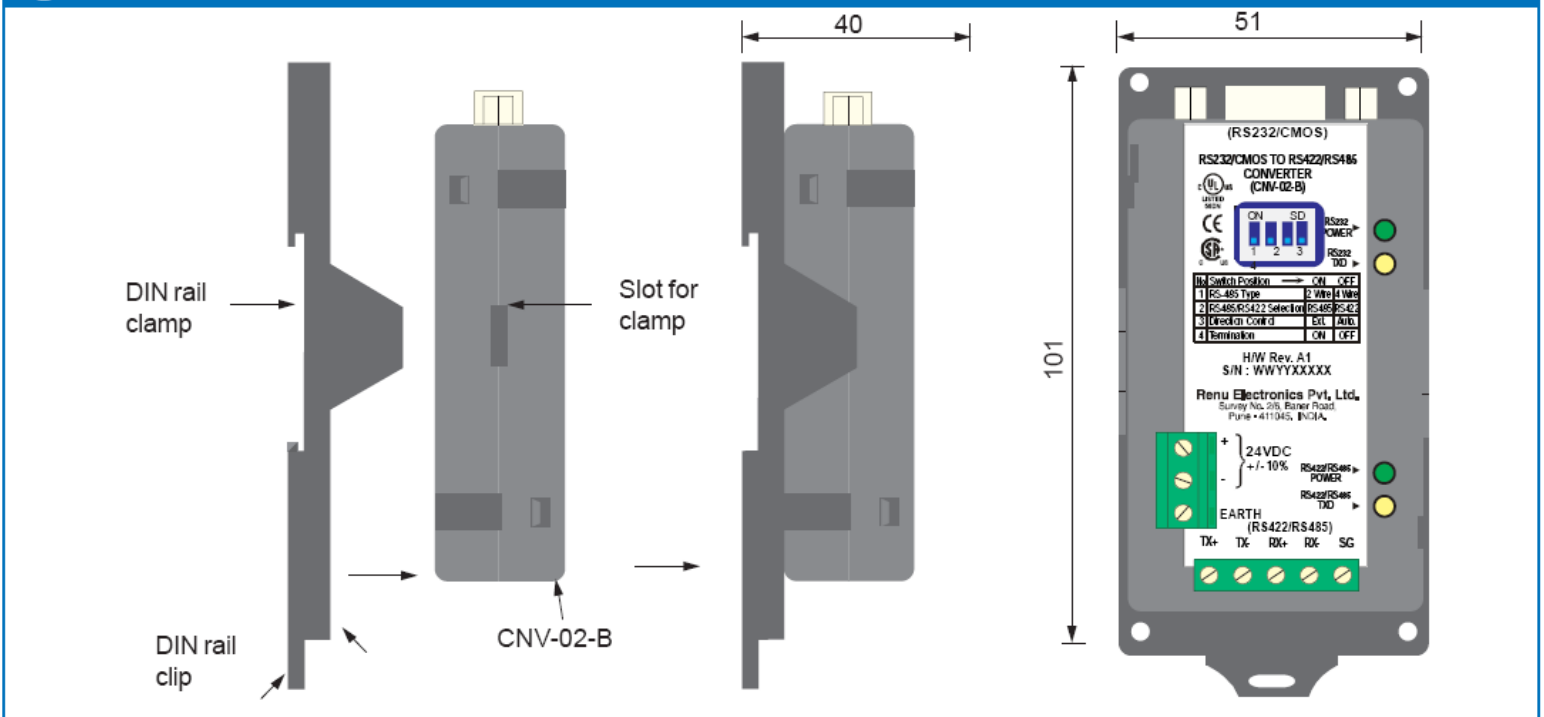
**CNV-01:** + 24 V DC power is isolated from communication ports in CNV-01 model. Communication ports are not isolated from each other. The converter is a port-powered (line-powered: RXD+RTS+CTS) or externally powered. In case of point to point communication and if the cable length is less than or equal to 2 mtrs on RS232 side, then external power supply is not needed. This unit takes less than 4mA to operate plus load current. Applications which require a large load current, external + 24V DC power supply on the terminal strip is required. CMOS signals are not supported for CNV-01.

**CNV-02-B:** + 24 V DC power is isolated from communication ports in CNV-02-B model. Both the communication ports are also isolated from each other. The unit has DB9 female connector on RS232 / CMOS side and PBT on RS422 / RS485 side. RS485 port has 4-wire with signal ground system. Both the models also support 2-wire RS485 communication with signal ground system.

This model is replacement for the CNV-02 (old version model) with following advantages.

1. LEDs for Power and Communication.
2. Shorting of "TX+ & RX+" and "TX- & RX-" not required for 2 wire RS485 configuration.
3. 1.5 KV Surge suppression for RS422 / RS485.
4. User friendly switch settings.

# Dimensions



Authorised Dealer:

**Casuarina Services Pte Ltd**

Contact Person : Ms Melissa Ng

Blk 280 Bishan St 24 #01-22 Singapore 570280

Tel:+65-98285501 Fax:+65-65520786

Email : [Melissa@casuarina.com.sg](mailto:Melissa@casuarina.com.sg)