



## NND-100 NMEA DISTRIBUTOR

### Outline

NND-100 is a NEMA distributor/buffer to provide 4 NMEA outputs from 1 input.

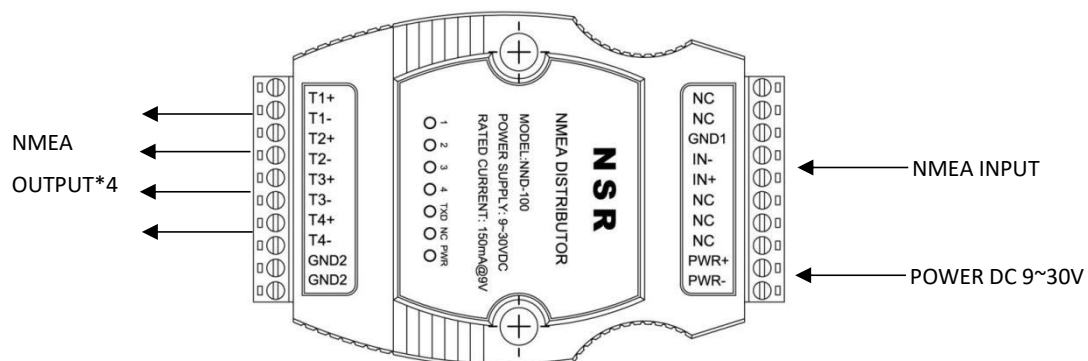
The baud rate can be up to 115.2kbps from 300bps.

With built-in optical-coupled isolator, the distributor is a reliable and professional device, which can be used on board. The external equipment connected to the distributor can be safely protected from lightning surge on line.

### Specifications:

Model No.	NND-100
Type of interface	RS485/RS422
Standards	Conform to IEC61162-1, IEC61162-2, NMEA 0183 Standards
Operation Mode	Semi-duplex
Power supply	DC9-30V, 150mA
LED indicators	PWR, TXD, alarm 1-4
Isolation voltage	2500VRMS 500VDC Continuous DC/DC
Baud rate	300bps~115.2kbps
Line protection	600W lightning surge protection per line
Cable length	0-5km (115.2kbps-300bps)
Size	120*80*25mm
Working Environment	- 40°C~85°C, relative humidity 5% to 95%

### Product description



The description for LEDs on the panel as follows:

**PWR** power indicator, steadily on in red

**1-4** LED 1~LED4 suggests the alarms on interfaces T1~T4. If LED1 is ON, for example, the interface T1 should encounter short circuit or reverse connection.

### Terminal definition

#### Input terminal:

Marking	Definition
NC	No connect
NC	No connect
GND1	Ground
IN-	NMEA INPUT-
IN+	NMEA INPUT+
NC	No connect
NC	No connect
NC	No connect
PWR+	Power in +
PWR-	Power in -

#### Output terminal:

Marking	Definition
T1+	NMEA OUTPUT 1+
T1-	NMEA OUTPUT 1-
T2+	NMEA OUTPUT 2+
T2-	NMEA OUTPUT 2-
T3+	NMEA OUTPUT 3+
T3-	NMEA OUTPUT 3-
T4+	NMEA OUTPUT 4+
T4-	NMEA OUTPUT 4-
GND2	Isolated Ground
GND2	Isolated Ground