

ZNC-910B/920

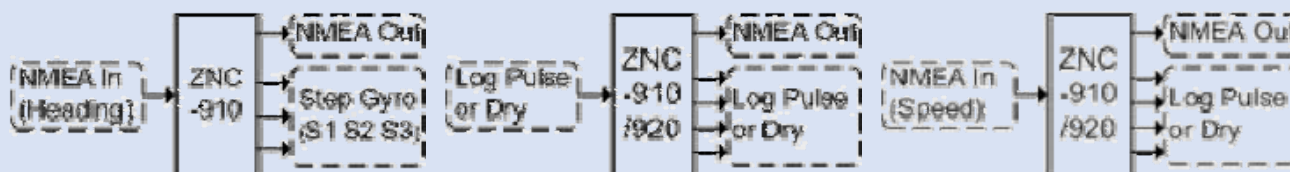
Smart NMEA to Step & Log Converter

Introduction

ZNC-910B/920 Smart NMEA to Step Gyro Converter converts from NMEA data (HDT) to Step gyrocompass signal.

This converter is useful for interfacing between new Gyrocompass like Satellite compass or without Step/Synch signal and many navigation equipment needed for heading signal.

It was designed for considering high accuracy and high reliable.



Applications

Mode-1 : NMEA to Step & Gyro Converter (ZNC-910B only)

NMEA Input	- NMEA 0183 Data (--HDT)
Step Output	- 90/180/360:1 Stepper Signal (+/-Common), Use one of Input or External Power
NMEA Output	- HEHDT, 1Hz, 4,800~38,200bps

Mode-2 : NMEA to Speed Log Pulse Converter (With NMEA Sentence Translator)

NMEA Input	- --VBW, --VHW, --RMC, --VTG (Automatically recognize) - In case of VBW, Ground Speed has priority
NMEA Output	- VMVBW, VMVHW, GPRMC, GPVTG Selectable, 1Hz, 4,800~38,400bps
Log Pulse Output	- Dry/Pulse, 200/400/800:1 Selectable

Mode-3 : Speed Log Pulse to NMEA Converter (Log Pulse Repeater)

Pulse Input	- 200/400/800 Pulse/knot Dry or Pulse Signal, 5V~25V Pulse or Dry Contact Signal
NMEA Output	- VMVBW, VMVHW, GPRMC, GPVTG selectable(1Hz), 4,800~38,400bps
Pulse Output	- 4 Dry/Pulse or 3 Dry/Pulse + 1 Alarm Output
Alarm Output	- More than 8/10/12 knots

■ Specifications

Input

Number of Port - 1 NMEA 0183 Input Port (RS422/RS232/5V TTL Signal)

Protection - 1 Pulse Input Port
- Pulse Width : More than 20mS

Baud Rate - 1 Dry Contact Signal Input Port
- Pulse Width : More than 20mS

Output

Number of Port - 1 NMEA 0183 Output Port

Baud Rate - 4,800~38,400bps Support

Step/Pulse Signal Output - 3 Steps or 4 Pulse Signal Outputs (Open Drain)
- Step Pulse Voltage : Depend on External Power Source (Maximum DC 75V)
- Maximum Load : Each output supports up to 0.3A

Power

External Power Input - DC 0V~55V (For Step/Log Pulse)

Input Power - DC 24V (DC 18V~32V), Approximately 0.15A (Except Step/Pulse Signal)
- Selected for Step/Log Pulse Power by Jumper
- Electric Fuse, No Replacement Required

Physical Specifications

Dimension/Weight - 193 x 139 x 49 mm / 1.0 kg (7.6 x 5.4 x 1.9 in / 2.2 lb)

Terminal - Screw Terminal Blocks

■ Remark

- 1) If you need any other specifications, please contact us.
- 2) This specification may be changed without notification.