

ZNC-910/920

Smart NMEA Converter / Repeater

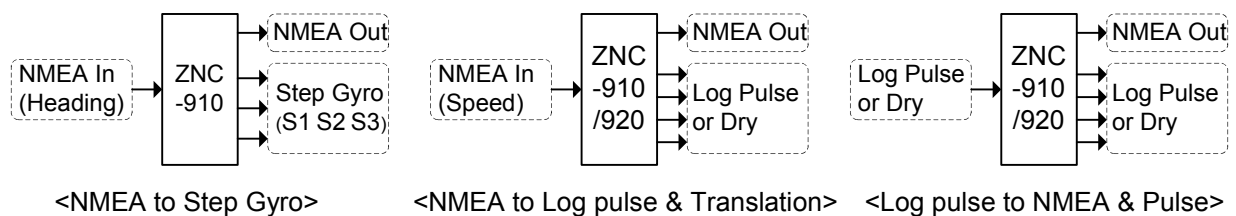
The ZNC-910/920 Smart NMEA Converter / Repeater has very useful functions for interfacing Heading and Speed signals.

It has 3 modes, converting NMEA Heading to Step-Gyro, NMEA speed to Log pulses, and Log pulse to NMEA speed sentences.

Also it can translate any NMEA speed data from such GPS to Speed Log NMEA sentences.



ZNC-910/920
Smart NMEA Converter / Repeater
(193 x 138.5 x 48.5 mm)



Modes

Mode-1: NMEA to Step-Gyro Converter (ZNC-910 Only) :

NMEA Input --HDT
Step Output 90/180/360:1 Stepper signal (+/--common)
NMEA Output HEHDT, 1Hz

Mode-2: NMEA to Log pulse Converter (with NMEA sentence Translation):

NMEA Input --VBW, --VHW, --RMC, --VTG (Automatically recognize)
In case of VBW, ground speed has priority.
Log Pulse 4 Dry/Pulses
Outputs 200/400/800:1 selectable.
NMEA Output VMVBW, VMVHW, GPRMC, GPVTG selectable. 1Hz

Mode-3: Log Pulse to NMEA converter (with Log pulse Repeater)

Pulse/Dry Input 200/400/800 pulse/knot dry or pulse signal.
NMEA Output VMVBW, VMVHW, GPRMC, GPVTG selectable. 1Hz.
Pulse Output 4 Dry/Pulses, or 3 Dry/Pulses + 1 Alarm output.
Alarm Output More than 8 or 10knots.

Common Specifications

Inputs :

NMEA0183	Galvanic isolation with main circuit and input power. 4,800 ~ 38,400 bps.
Pulse	5~25V Pulse.
Dry contact	Max. 5mA
External Power	Up to DC55V. Used for Step & Pulse signals

Outputs :

NMEA0183	Supports 4,800~38,400 bps
Step/Pulse/Dry	3 Steps for Gyro, or 4 Pulse(Dry) for Speed signal. Main power(DC24V) or external power(up to 55V) is used, and selected by jump Open collector type. Up to 0.3A per each signal.

External Power (for Step/Log pulse output power) :

Input Voltage	Up to DC55V.
Current	Appr. 0.3A x 4 (depends on loads), 0.5A x 4 electronic fuses are used. Used for Step/Log pulse power instead of main input power by Jumper.

Input Power (for main circuits) :

Input Voltage	DC24V (18~32V), Appr. 200mA at DC24V. Used for Step/Log pulse power instead of external power by Jumper.
Fuse	Electronic fuse, no replace required.

Physical specifications :

Size	193mm x 138.5mm x 48.5 mm (See below drawing).
Weight	Appr. 1.0kg.
Terminal	Screw type terminal blocks.

Option :

For DC12V and other NMEA Sentences translation, Please contact us.

* This specifications may be changed without any notification.

