

4.5 J1939 Parameter Group Number(PGN)

PGN	PGN name
61444	Electronic Engine Controller1(Engine Speed)
65262	Engine Temperature 1(Engine Coolant Temperature)
65263	Engine Fluid level/Pressure 1(Engine Oil Pressure)
65271	Vehicle Electrical Power #1 (Electrical Potential)

4.6 NMEA2000 Parameter Group Number(PGN)

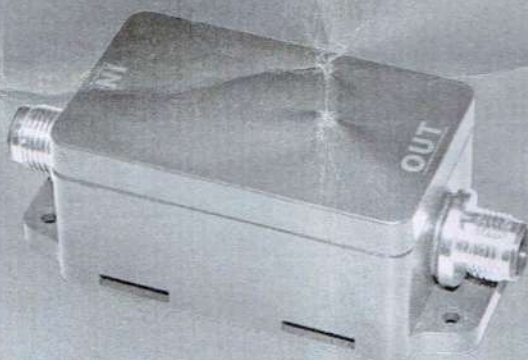
PGN	PGN name
127488	Engine Parameters, Rapid Updata (Engine Speed)
127489	Engine Parameters, Dynamic (Engine oil pressure)
127508	Battery Status(Battery Voltage)

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NJ /JN Gateway

User's Manual



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Revision History

Revision	Description
1.0	Original document

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1. General

1.1 Introduction

NT gateway can be used to convert the engine speed, oil pressure, temperature and voltage data in NMEA2000 network into the corresponding information in J1939 network;

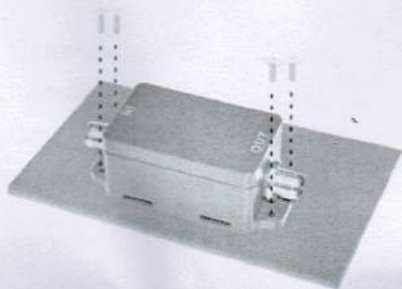
JN gateway is used for converting the engine speed, oil pressure, temperature and voltage data in J1939 network into the corresponding information in NMEA2000 network.

1.2 Features

The NJ gateway/JN gateway has the following features.

- ◆ Easily installed, can use screw or ribbon to fix
- ◆ Easy to use, not need extra setting.
- ◆ Standard Micro-C connector
- ◆ Water proof level IP65

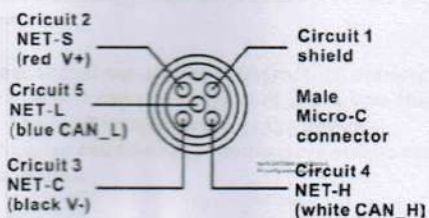
2. Installation



If you need to install on the flat ,Fix NJ/JN GATEWAY with the screw, which packed together.



If unfit screw on boat, you can use ribbon to cross the two holes at bottom to fix.



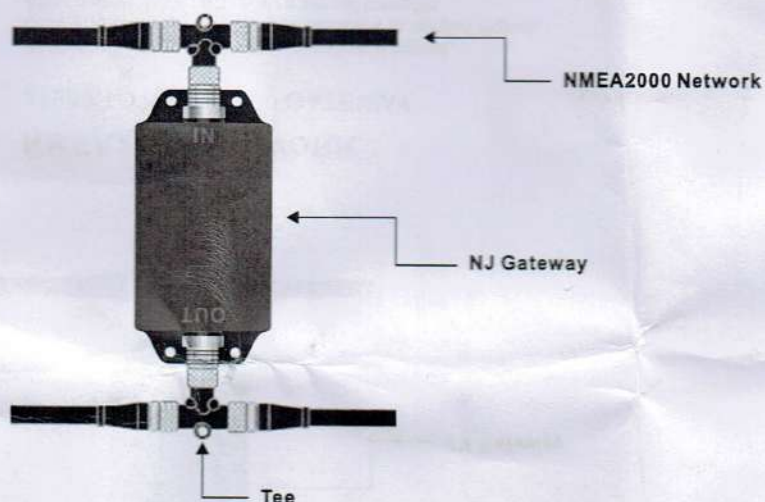
NJ/JN GATEWAY used Micro-C, Pin configuration as above.

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3. Component function diagram

3.1 NJ GATEWAY connection way



J1939 NETWORK

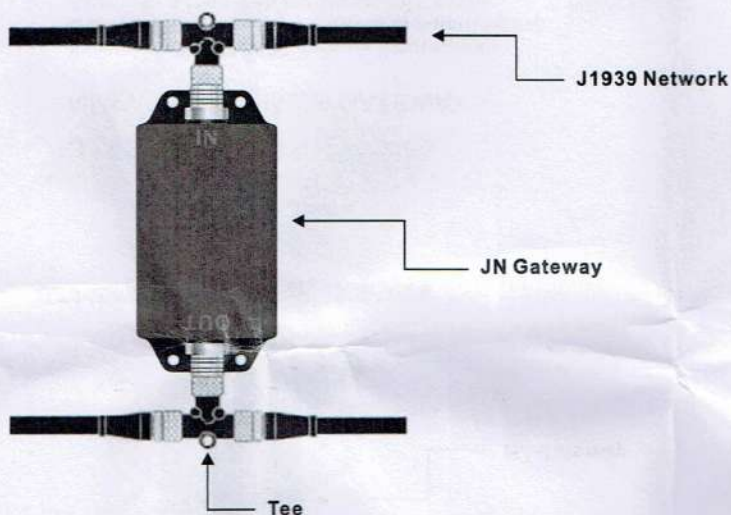
NMEA2000 TO J1939 GATEWAY

IN connect NMEA2000 network input signal
OUT end connect J1939 network to output signal.
After connection, can realize signal transfer.

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3.1 JN GATEWAY connection way



NMEA2000 NETWORK

J1939 TO NMEA2000 GATEWAY

IN end connect J1939 network to input signal,
OUT end connect NMEA2000 network to output signal.
After connection, can realize signal transfer.

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4. Technical Specifications

4.1 Electrical

Operating Voltage	9~16V
Power Consumption	<50mA
Load Equivalence Number(LEN)	1

4.2 Environmental

Operating Temperature	-30~75°C
Storage Temperature	-40~80°C
Degree of Protection	IP67

4.3 Mechanical

Size	93.8*39.6*32.3mm
Weight	75.6g

4.4 Certifications

NMEA2000	Level B+
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