

J1939 to NMEA2000® Adaptor



- **WAGO terminals for J1939 connection**
- **J1939 interface optically isolated**
- **J1939 interface is Read Only**
- **J1939 Valid Message LED**
- **Switch settable**
NMEA2000® Device Instance
- **Panel or DIN rail mounting**
- **Low Cost**
- **Manufactured to NMEA2000® network standard**

The Oceanic Systems' 3185 J1939 to NMEA2000® Adaptor takes standard J1939 engine and transmission messages and transmits them onto the NMEA2000® network.

The J1939 interface is optically isolated to prevent ground loop problems and is read only so no messages are sent to the J1939 interface for absolute safety.

The Adaptor is equipped with LEDs to indicate when J1939 messages are received and when NMEA2000® messages are transmitted.

Requires NO user setup menus but the simple setting of two small rotary source and address switches so multiple Adaptors can exist on the same networks.

The J1939 connections to the unit are made via boat builder preferred WAGO Cage Clamp terminal blocks which allow either solid or multistranded wires from 0.08 to 1.5mm² to be connected quickly and securely.

The 3185 can be either panel mounted or din rail mounted using the din rail mounting clips provided.

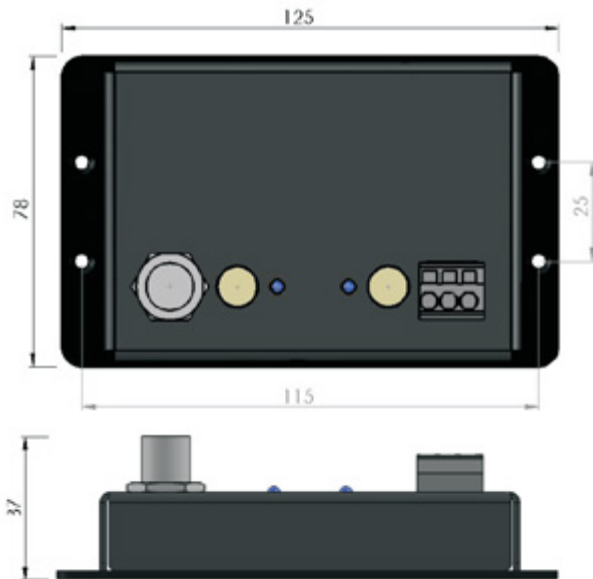
The unit comes with a detailed User Manual and is manufactured to NMEA2000® network standard.

The 3185 J1939 Adaptor is an important part of our NMEA2000® based Vessel Monitoring and Control System.

J1939 to NMEA2000® Adaptor

Part No. 3185

Dimensions



Design Standards		
NMEA2000®	Level B	
Maritime Nav & Radio-Comm	IEC60945, IEC61000-4-2,4 and 5	
CE & FCC	Electromagnetic Compatibility	
NMEA2000® Parameter Group Numbers (PGNs)		
Type	PGN No.	PGN Name
Periodic Data	PGN127488	Engine Parameters Rapid
	PGN127489	Engine Parameters Dynamic
	PGN127498	Engine Parameters Static
	PGN127493	Transmission Parameters
Protocol	PGN65030	Generator AC Quantities
	PGN126464	Tx/Rx PGN List
Protocol	PGN126996	Product Information
	PGN059392	ISO Acknowledge
	PGN059904	ISO Request
	PGN060928	ISO Address Claim
	PGN126208	Command/Request Group
Electrical and Mechanical		
Operating Voltage	9 to 16 Volts	
Power Consumption	120mA at 12 Volts	
Load Equivalence Number	3	
Reverse Battery Protection	Indefinitely	
Load Dump Protection	Yes to SAE J1113	
Size	125 x 78 x 35mm	
Weight	120 gm	
Environmental		
IEC06954 Classification	Protected	
Degree of protection	IP 40	
Operating Temperature	-25C to 50C	
Storage Temperature	-40C to 70C	
Relative Humidity	93%RH @ 40C per IEC 60945-8.2	
Electromagnetic Emission	Conducted/Radiated per IEC 60945-9	
Electromagnetic Immunity	Conducted/Radiated per IEC 60945-10, 61000.	

Oceanic Systems (UK) Ltd
 Unit 10-11 Milton Business Centre, Wick Drive,
 New Milton, Hampshire, BH25 6RH, United Kingdom

Tel (UK): +44(0)1425 610022 Tel (USA): (844)898 6462
 Fax: +44(0)1425 614794 Email: sales@osukl.com
 Web: www.osukl.com

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