

J1939 to NMEA2000® Adaptor



- J1939 interface optically isolated
- J1939 interface is Read Only
- Switch selectable J1939 Source
- WAGO terminals for J1939 connection
- J1939 Valid Message LED
- Switch settable NMEA Device Instance
- Panel or DIN rail mounting
- Compatible with 12 or 24 Volt Systems
- Low Cost
- Certified to NMEA2000®

The Offshore 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

It is compatible with either 12 or 24 Volt systems and 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.

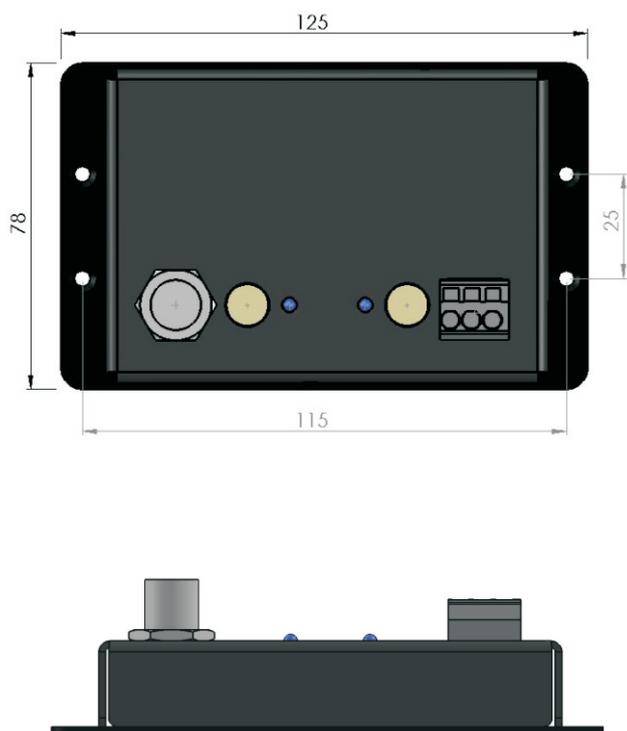
The 3185 can be either panel mounted or din rail mounted using the din rail mounting clips provided.

The unit comes with a detailed User Manual and is certified to work with NMEA2000®.

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



J1939 to NMEA2000® Adaptor Part No. 3185



Certifications		
NMEA2000	Level B	
Maritime Nav & RadioComm	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
	PGN65030	Generator AC Quantities
Protocol	PGN126464	Tx/Rx PGN List
	PGN126996	Product Information
	PGN059392	ISO Acknowledge
	PGN059904	ISO Request
	PGN060928	ISO Address Claim
	PGN126208	Command/Request Group
Electrical and Mechanical		
Operating Voltage	9 to 32 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	Conduct/Radiated per IEC 60945-9	
Electromagnetic Immunity	Conducted/Radiated per IEC 60945-10, 61000.	