NMEA2000® Relay Output Module 8 Way



- 8 Fully Isolated SPCO Relays
- 8 Amp @ 35 Volts DC or
- 16 Amp @ 250 Volt AC contacts
- Indicator LED for each relay
- Switch settable Device Instance
- Boat Builder Preferred WAGO Cage Clamp Terminal Connections
- Receives standard NMEA2000® Switch Bank / Relay Commands
- Transmits standard NMEA2000® Switch Bank / Relay Status every 2 seconds
- NMEA2000® network standard

The Oceanic Systems' 3478 Relay Output Module - 8 Way allows messages over the NMEA2000® network to directly control 8 power relays using standard NMEA2000® PGN messages.

Each of these relays are each totally isolated and can be connected to any mix of DC or AC control circuits each controlling up to 8 Amps at 35 Volts DC or 250 Volts AC resistive load.

Normal applications for these relays would be providing remote alarm inputs, pump management, power switching contactors, light control and many other applications where power needs to be controlled over the network.

Each 3478 has a switch settable Switch Bank Instance to allow multiple Relay Output Modules on a single network.

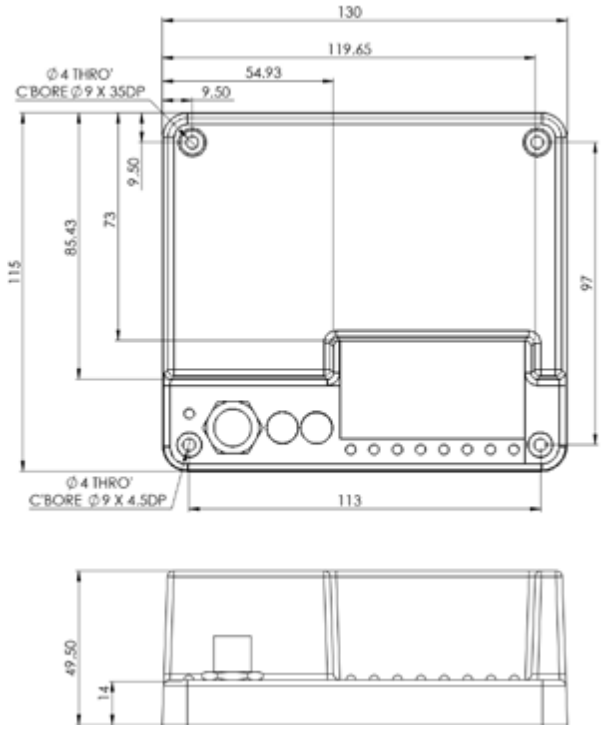
The connections to the relays are made via boat builder preferred WAGO Cage Clamp terminal blocks which allow either solid or multistranded wires from 0.08 to 2.5mm² to be connected quickly and securely. Each relay output also has a tell tale green LED to indicate when each relay is operated.

The 3478 is operated from the standard NMEA2000® Switch Bank Control PGN 127502 from any NMEA2000® controller. The unit also transmits the standard NMEA2000® Switch Bank Status PGN127501 every 2 seconds to keep the network updated.

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

NMEA2000® Relay Output Module 8 Way
Part No. 3478

Dimensions



Outputs		
Relay Outputs	8 Fully Isolated SPCO Contacts	
DC Power Rating	8 Amps at 35 Volts DC resistive load	
AC Power Rating	16 Amps at 250 Volts AC resistive load	
Wire Sizes	Solid or Multistranded 0.08 - 2.5mm²	
Design Standards		
NMEA2000®	Level B	
Maritime Nav & RadioComm	IEC60945	
CE & FCC	Electromagnetic Compatibility	
NMEA2000® Parameter Group Numbers (PGNs)		
Type	PGN No.	PGN Name
Command	PGN127502	Switch Bank Control
Monitor	PGN127501	Switch Bank Status
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	30-340mA	
Load Equivalence Number	7	
Reverse Battery Protection	Indefinitely	
Load Dump Protection	Yes to SAE J1113	
Size	143 x 113 x 53mm	
Weight		
Mechanical		
Environmental	Protected	
Degree of protection	IP40	
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	

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