



## CZONE DDS

The DDS is an extremely compact, affordable IPX5 module boasting 40 channels. Utilizing relay outputs with mechanical fuse bypass, MOSFET switching technology with PWM for effective lighting control, analog sensor inputs for tank monitoring, low current digital input and output channels for ultimate control.





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The DDS module uses a combination of MOSFET switching technology and relay output channels to achieve a desirably small footprint. The CZone DDS has advanced bilge pump functionality on all relay output channels, allowing bilge pump control and external (automatic) voltage detection from a single wire.

### Features

- 12 or 24V system voltage (60A max)
- NMEA2000 interface
- 12 Relay channels with mechanical fuse bypass
- 5 MOSFET channels with Over-Current Protection
- 3 Analog Inputs (Voltage or Resistance)
- 5 Positive/Negative Digital Outputs and Inputs
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- Advanced bilge pump functionality on all relay output channels
- Automotive mini fuses (ATM fuses)
- Ignition Protected with cover installed
- Compliance - Ignition protection, CE, RCM, FCC, UK-CA

### Specifications

<b>Main Supply Voltage</b>	12V/24V DC (9V-32V min/max)	<b>Circuit bypass</b>	Mechanical Bypass on Relay Output Channels
<b>Circuit protection</b>	MINI Blade Fuse, Max Interrupting Capacity 1000A, Max Voltage 32VDC	<b>Ingress protection</b>	IP65 (with fuse cover in place)
<b>NMEA2000 connectivity</b>	1 x CAN Micro-C port, 1 LEN	<b>Maximum Shock Resistance</b>	20G
<b>Switch Bank Support</b>	2	<b>Compliance</b>	Ignition protected, CE, RCM, NMEA2000, UK-CA
<b>Output wire range</b>	0.5 - 6mm (24AWG - 8AWG)	<b>Warranty period</b>	2 years
<b>Maximum current</b>	60A 12V/24V Total Module Current	<b>Operating temperature range</b>	-25C to +70C (-13F to +158F)
<b>Power consumption sleep</b>	<120mA	<b>Storage temperature range</b>	-40C to +85C (-40F to +185F)
<b>Power supply</b>	M8 Positive Terminal (Max Torque 3.9Nm (34.5in/lbs))	<b>Dimensions W x H x D</b>	351.4mm x 164.5mm x 53.0mm
<b>Network Supply voltage</b>	9-16V via NMEA2000	<b>Weight</b>	1040g (no connectors)