

CZone[®] Digital Control & Monitoring



LET CZONE DO THE THINKING

CZone® Digital Control & Monitoring

Simplify your boat's electrical system by changing the onboard environment with a single touch. CZone simplifies the operation of your vessel by giving you complete control of all the electrical components with the touch of a button. Customized modes automatically optimize the boat or vehicle for specific situations. Whether it's a day of fishing or cruising, make your time on the water, safer and more enjoyable when you let CZone do the thinking.

Simplicity

CZone simplifies the electrical system by replacing complicated, switch and fuse panels with compact state-of-the-art interfaces and light NMEA 2000 network cable. This intuitive system makes it easy to monitor and manage critical functions. In addition, multiple circuits can be combined into a single button to simplify control on the vessel.

Innovation

System integration is the future. CZone offers greater flexibility and visibility of the electrical system; consolidating control into a common user interface. Control the same circuit from a variety of digital switches, touch screen interfaces, or wirelessly via key fob remote or iPad.

Reliability

CZone has proven reliability with over 10 years' experience in marine installations. CZone's durability has been tested in some of the harshest conditions through a key partnership with Volvo Ocean Race Yachts.



Check out our
CZone video



Modes

Bring your CZone system into the wireless dimensions, allowing full control of system functions—from Mode Selection, System Monitoring and individual Circuit Control—straight to your fingertips, no matter where in range you are.



Day Cruising

Engine room venting, hydraulic control and trim tab pumps primed.



Night Cruising

Ensure correct navigation lights are displayed and cockpit lighting is reduced, allowing for the safe navigation of the vessel.



Dock Attended

Navigation lights and hydraulic systems off.



Dock Unattended

Bilge pumps and security alerts remain powered while other circuits isolated to reduce power draw.



Fishing

Monitor battery levels and live well tank pumps operating.



Night Fishing

Rear deck working lights sufficient for rigging bait and lures, with underwater lights illuminating the catch as it's boated.



Night Entertaining

Mood lighting and music system powered up, ready for a night of socialising onboard.



Night Anchor

Keep minimal interior lighting on exit points for safety, while silencing non-essential audible systems.

Note: Modes listed above are standard examples. Any circuit configuration can be developed for customised modes.



LET CZONE DO THE THINKING

CZone® Combination Output Interface (COI) The complete CZone system in a box!






The Combination Output Interface (COI) combines multiple input and output devices into one module, offering a compact and intelligent replacement for traditional DC fuse boxes and circuit breaker panels with digital switching technology.

Digital switching systems just became more cost effective and easier to install with the CZone Combination Output Interface (COI). This one box replaces up to five separate units, with convenient Deutsch connectors and IPx5 water resistance, providing a complete CZone system for smaller applications. The COI's high continuous power output (150 amps), plus space, installation time and cost savings also make it the perfect building block for larger systems.

Quick access and overview

Partnered with either a dedicated CZone display, or with a multi-functional display from one of our integration partners (B&G, Furuno, Garmin, Lowrance, Simrad), the Combination Output Interface heralds a new era in providing simple, intuitive control over the increasingly complex systems found on today's applications.



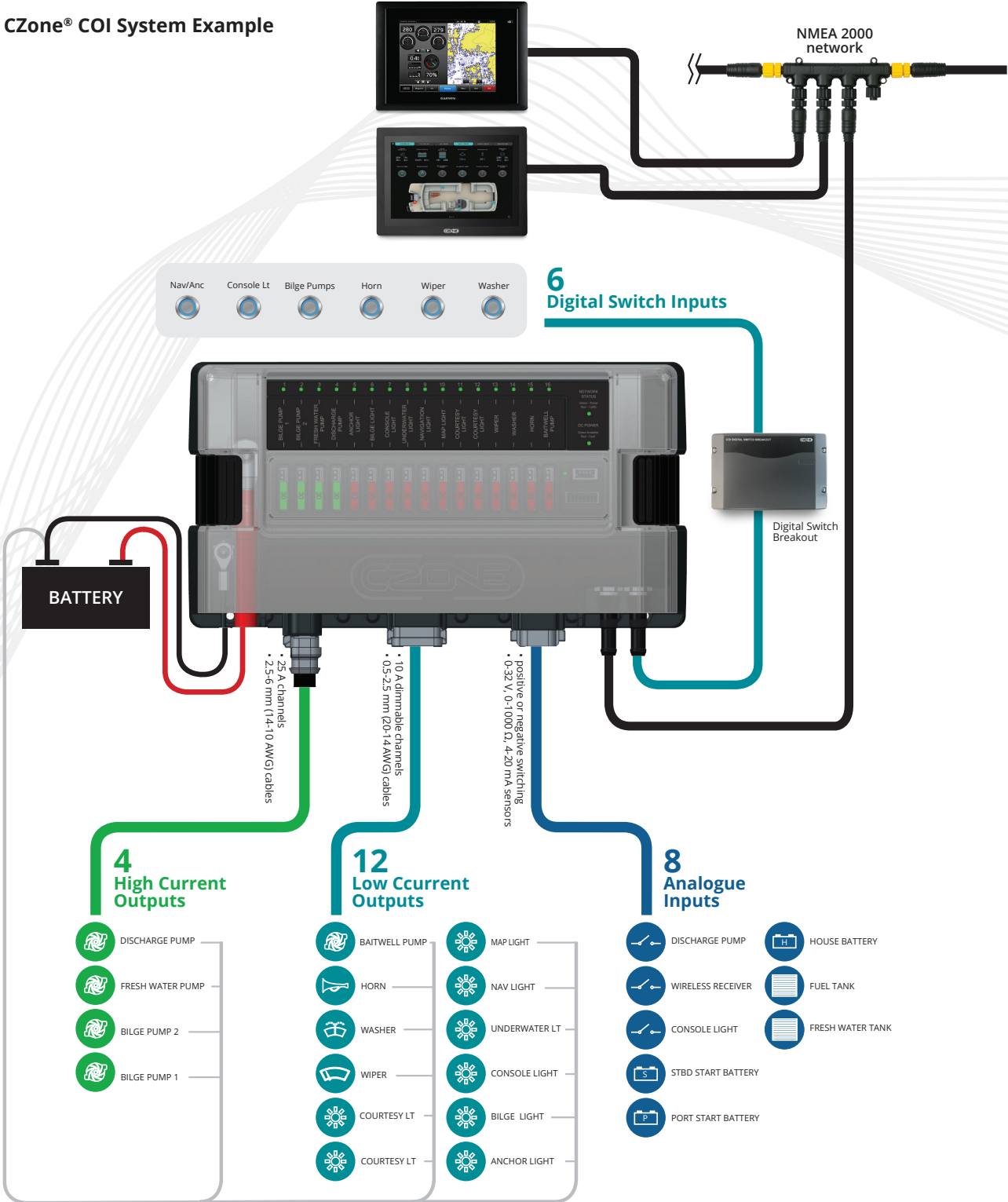
Part #	Description	
80-911-0119-00	COI with Connectors (includes 80-911-0131-00—COI Deutsch Connector Kit)	
80-911-0120-00	COI No Connectors	
Options		
80-911-0123-00	COI cable cover Optional cover for clean finish, covers connectors and cables	
80-911-0134-00	COI Digital Switch Breakout The COI Digital Switch Breakout (DSB) interfaces CZone digital switches with your CZone COI module. Including 2 mtr DSB to COI cable	
80-911-0129-00	COI DSB cable, 5 mtr	
80-911-0131-00	COI Deutsch connector kit (delivered as standard with 80-911-0119-00) Includes all necessary Deutsch plugs, contacts, wafers & seals for COI	
80-911-0133-00	Deutsch HDT-48-00 crimp tool Crimp tool for Deutsch contacts	

Features

- High density 30 channel module minimizes installation, interconnections and footprint, while delivering best value per circuit
- Full mechanical fuse protection plus bypass on all circuits as required by ABYC/CE
- Industry standard Deutsch connectors provide fast, plug-n-play installation
- Optional cable cover offers improved aesthetics and greater mounting flexibility
- Proven, rugged CZone design includes IPX5 Water Ingress Protection and NMEA 2000 certification
- High power Bilge Pump channels allow manual control plus "pump running" feedback from a single channel – without additional wiring
- USB port provides easy system update from USB flash drive

Communication protocol	NMEA 2000
Channels	30
Output channels (high)	4 x 25A
Output channels (low)	12 x 10A (dimnable)
Analogue inputs	8 (positive or negative switching, 0–32V)
Additional monitoring	2 voltage sensors (on main positive stud and NMEA 2000 power)
Circuit current monitoring	all 16 output channels
Circuit protection	onfigurable electronic fuse + mechanical fuse and bypass
Digital switch inputs	6 digital input switches with backlight via digital breakout
Max. continuous current	150A at 40°C (derating > 40°C)
NMEA 2000 power consumption	250 mA at 12V 180 mA at 12V standby
Connectors	Deutsch
Power supply	M8 (5/16") stud positive, M6 (1/4") stud negative
Voltage	9–32V (with power available LED and voltage monitoring)
Bilge pump circuits	4 high current channels: integrated manual control and 'pump running' detection
Protection degree	IPx5 (mounted at 0°C +/-90°C)
Dimensions, hwxwd (incl. optional cable cover)	13.3" x 9.3" x 2.4" 338 x 235 x 62 mm
Weight	1.9 kg / 4.2 lb
Approvals	CE, ABYC, NMEA

CZone® COI System Example



LET CZONE DO THE THINKING

The Power of Integration

CZone has partnered with leading electronics manufacturers including Garmin, Simrad, B&G, Lowrance and Furuno making it simple to monitor and control the onboard power system and circuits.

CZone technology is integrated with easy-to-read graphics into chartplotters and multi-function displays. View CZone monitoring data, tank levels and battery capacity alongside radar, fish finder, video and chart plotter information or navigate to the CZone page to operate any circuit from the intuitive control page.

With CZone technology, control and monitoring is available at the touch of your fingertips, at the helm or flybridge, at desired locations on the boat, programmed into the remote key fob, or from an app on your tablet.



SIMRAD

B&G

FURUNO

GARMIN

LOWRANCE



MERCURY

VOLVO PENTA



NMEA 2000 Network

Premium Quality. Universal Fit.

Ancor NMEA 2000 approved cables and connectors simplify creating or expanding an NMEA 2000 network. Ends are color coded to make identifying the power cable or connector easy once installed as part of an NMEA 2000 network. The color coded couplers connect to the corresponding Ancor cables and connectors creating an easy to identify network.

- NMEA 2000 Approved, 100% universal and compatible with other manufacturers' products
- NMEA micro-size



POWER PRODUCTS LLC Marine Solutions

For decades Ancor, BEP, Blue Sea Systems, CZone, Lenco, Marinco, Mastervolt and ProMariner have worked independently to provide innovative electrical products. Now the eight companies are working together to offer comprehensive electrical solutions for marine and mobile applications.

Providing more than products. Providing Solutions.

ANCOR

Wire & Cable
Wire Management
Terminals & Lugs
Tools & Testers
Lighting
ancorproducts.com

BEP

Battery Management
Connectors & Insulators
Circuit Protection
Power Distribution Panels
Meters
bepmarine.com

BLUE SEA SYSTEMS

Power Conversion
Battery Management
Circuit Protection & Switches
Connectors & Insulators
Power Distribution
Meters
blueseasystems.com

CZONE

Digital Control & Monitoring
czone.net

LENCO

Trim Tabs
Actuators
Hatch Lifts
lencomarine.com

MARINCO

Shore Power
DC Power Connections
Power Conversion
Battery Management
Wiper Systems
Horns
Lighting
Ventilation
marinco.com

MASTERVOLT

Power Conversion
Batteries
Battery Management
Transformers
Alternators
mastervolt.us

ProMariner™

Waterproof Battery Chargers
Vented Battery Chargers
Inverters
Combis
Isolators
Accessories
promariner.com

