**THE NEW COMBINATION OUTPUT INTERFACE DELIVERS “TRIED AND TESTED” CZONE SOLUTIONS TO A NEW PRICE POINT**

BEP Marine is proud to announce the launch of the Combination Output Interface (COI), a compact and “intelligent” module that expands on the successful CZone digital switching range.

CZone is the market leading digital switching technology used widely in the marine industry and extensively proven including installation on all boats in the recent Volvo Ocean Race fleet. It utilizes the industry standard NMEA 2000 network where a single data cable is used to provide “one touch” control from all on-board touch screens, and compatible Garmin or Navico Multi-Function Displays. This brings the convenience of home automation to boats and recreational vehicles but which is ruggedly engineered to suit the harsh marine environment. The COI combines 5 existing CZone modules into a single unit offering faster installation, lower system price point, smaller footprint, and fewer connection points so that for smaller vessels it provides a complete CZone system in a box.

**Installation**

The COI is packaged in an attractive yet rugged IPX5 housing with optional cable cover which provides greater flexibility for location on smaller vessels. The industry-standard Deutsch connectors have an outstanding reputation for resistance to water and vibration, plus offer fast, efficient OEM installations. The COI’s improved ergonomics provide easy access to fuses via the clear clip-on cover and intuitive operation with all circuits labelled to customers’ requirements.

**Features**

The COI features 30 channels and a maximum power of 150 Amps, enough to meet the demands of modern domestic appliances. The 4 x 25A Channels can supply large consumers such as fans & pumps, each channel also provides single wire control & “running” detection of Bilge Pumps with a secondary power source. The 12 x 10A channels are suitable for lights (all dimmable) and smaller consumers. Up to 8 analogue sensors or switches can be wired to the COI and fluid, temperature, pressure sensors output as standard NMEA 2000 sentences. Up to 6 stainless steel Push Button switches can be connected via the plug and play breakout harness. The COI’s channel/rating combination will provide a “one box” solution to small systems yet also form the building blocks for much larger systems working side by side with existing CZone modules.

**Safety**

Safety and reliability is of upmost importance, the COI exceeds ABYC and CE standards by providing multiple layers of software & hardware protection, including an intuitive mechanical fuse bypass. Remote serviceability has been improved by adding a USB Port, this will allow system wide software updates to be performed without the need for a programming cable.

With a smaller footprint, simple connections and the ability to upgrade via a USB, the new Combination Output Interface is the ideal cost effective solution for a wide range of motor and sailboats and recreational vehicles that require the safety and convenience of digital switching without multiple units.