

Marine Energy and Lighting Management System C-Box

Réf : **CBOX**

The Cristec C-Box enables full control of an energy and lighting system at any time and from anywhere, thanks to precise and continuous management of the installation to optimize performance and efficiency.

Classic delivery

Public price TTC
551.54 €

CARACTERISTICS

MARINE ENERGY AND LIGHTING MANAGEMENT SYSTEM C-BOX
Réf. **CBOX**

- Model : C-Box Central Unit

Dangerous material : non
Weight :

SPECIFICATION

Conceived for marine applications and standalone installations, the Cristec Box monitoring and control system offers numerous advantages, making it a powerful yet easy-to-use solution.

- Suitable for 12 V, 24 V, 36 V and 48 V systems
- User-friendly interface with quick and intuitive operation
- Remote monitoring and control via Internet, with cloud data synchronization
- Quad-core processor ensuring faster, smoother and more stable performance, enabling real-time processing of multiple data streams
- Real-time analysis to improve energy efficiency
- Compatibility with multiple multifunction displays (MFD), ensuring high integration flexibility
- Monitoring of tank levels and temperature sensors

C-Touch touchscreen display

The C-Touch is a 7-inch touchscreen specifically designed to operate with the C-Box central module. Available in both flush and surface mounting options, it provides instant access to key installation data and allows easy system parameter adjustment. Robust, waterproof, and simple to install, it integrates seamlessly into any environment.

Complete energy system supervision

The C-Box centralizes all key installation data for simplified operation. It provides real-time monitoring of battery state of charge, electrical

consumption, and energy production from solar panels, generators, or shore power. Tank levels and temperatures are also displayed, while key settings can be adjusted to optimize overall system performance.

Remote access and support

Via Internet connection, local network, or integrated Wi-Fi hotspot, the C-Box allows access to the installation from anywhere. Users can view data, modify settings, receive system alerts, and perform diagnostics without on-site intervention.

Communication ports

The C-Box features multiple communication and control interfaces, including a CAN bus (2 connectors), a 1 Gbit/s isolated Ethernet port, an HDMI output for the C-Touch display, a NMEA interface, three USB-A ports, and integrated Wi-Fi connectivity. It also includes an optional DMX port (RS485, up to 128 addresses), a 12 V / 1 A output, a remote on/off control input, and CRISTEC Connect integration for system monitoring and configuration.

Fast and intuitive commissioning

Designed for easy onboard integration, the C-Box can be mounted on a DIN rail or directly inside the electrical cabinet. The C-Touch screen installs easily without complex cut-outs. Setup is accelerated using the CRISTEC Connect application, which guides system configuration.

Smart lighting management

The Cristec Box enables seamless integration and control of up to 128 lighting circuits or zones. It supports LED, RGBW, and underwater lighting, with dimming control and dynamic lighting scenes. For enhanced flexibility, Zigbee or EnOcean wireless switches can be added to control different lighting zones intuitively.

Available options with the C-Box:

- Tank level inputs 0–10 V or 4–20 mA: 4 channels
- DMX controller: 1 RS485 port – up to 128 addresses
- Temperature sensor
- MultiShunt 5: 5 channels, 25 A, 12–48 VDC bidirectional
- Flexcan: 300 A