

# PC10-SR

## Solid State POWERCORE Management Enclosure



**PC10-SR** is a Solid State Powercore Management enclosure which can support up to 15 outputs (10 switched and 5 always on). It receives requests from switches or keypads and handles these commands based on the current state of the system. The main difference from other products in the PC series is the presence of a single connector Deutsch DRC13-24PA that makes PC10-SR a plug and play replacement for previous generation EIM relay module (DSS / DNA).

### ELECTRICAL FEATURES

- 12V or 24V nominal input voltage
- 100Ampere total PME input current carrying capability
- 10 switched circuits that include:
  - Momentary, toggle, and time-out functions.
  - Pulse-width modulation of output voltage for dimming capability.
  - 2 complete H-Bridge circuits for driving reversible motors
- Parallelable output increases current rating.
- An electronic circuit breaker protects circuits. The current ratio for each circuit can be set independently (10 switched circuits).
- Remote reset of switched circuits fault through keypad.
- Input undervoltage lock down.

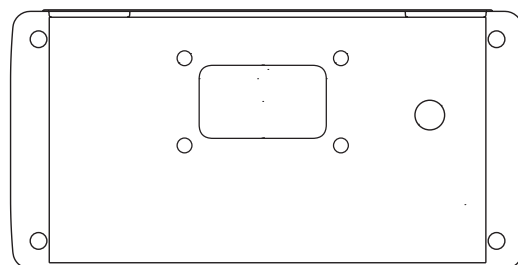
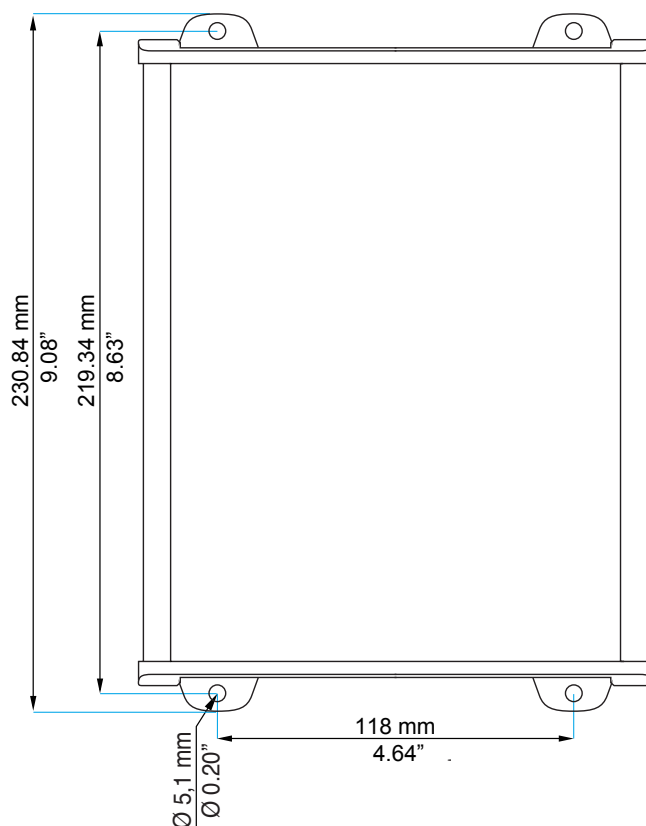
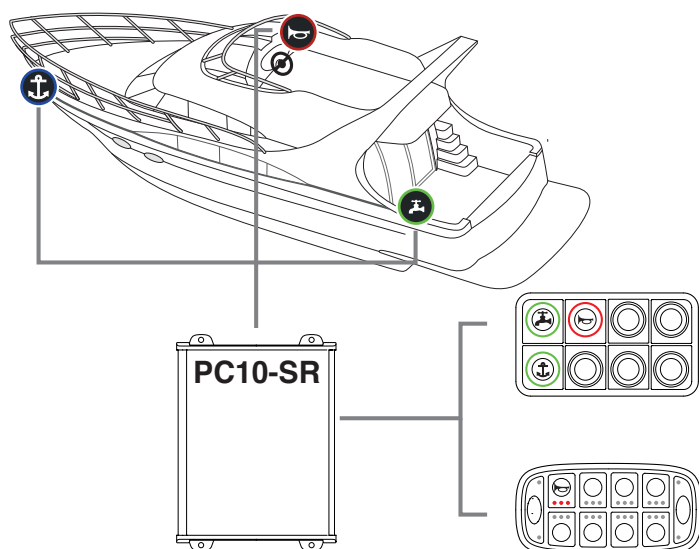
### SPECIAL FEATURES

- Field programmability of electrical functions and current limit trip points available to authorized OEMs and Value-Added Resellers (VARs)
- 5 always on output - fuse protection up to 15A

**blink**  
MARINE



# SPECIFICATIONS FOR PC10-SR SOLID STATE POWERCORE MANAGEMENT ENCLOSURE



ELECTRICAL	PC10-SR
Supply voltage	12V and 24V Nominal Voltage (8-32VDC)
Standby current	<30mA per PME
Load current	Max 15A
Input current	100A max
Communication bus	RS-485 between keypad and PME
Circuit protection	electronic overcurrent protection and automotive mini blade fuse

MECHANICAL	PC10-SR
Connector	DEUTSCH DRC13-24PA
Mating connector	DEUTSCH DRC16-24SA
Housing	ALLOY 6060 and ZA4C1
Seal	TPV 8211-75
Power lugs	1/4-20 electroplated bright tin
PC board	1,6mm thick, Nema Grade FR-4, Double clad with 3oz copper

ENVIRONMENTAL	PC10-SR
Operating temperature	-20°C to +85°C
Storage temperature	-40°C to +85°C
Humidity	0 to 98% (no condensation)
Ingress Protection Rating	IP65

FEATURES	PC10-SR
Circuits	15
Size mm/inches	230x70x86/9.05x2.75x3.38 - Connectors incl.
Remote current trip reset	10 Switched output
System reset	Optional
Status indicator	Standard
Low volt sense & lock down	Optional
Level sense input	8 inputs
Dimming/PWM Features	Available on 10 outputs
Circuit status monitoring	Optional
Field re-programmable	Optional
External status communication on the bus	Optional

**blink**  
MARINE

**Blink S.r.l.**

Via Montefeltro, 6 - 20156 Milano - Italy

Tel. +39 02 3088583 - Fax +39 02 33406697

[www.blinkmarine.com](http://www.blinkmarine.com) - [info@blinkgroup.com](mailto:info@blinkgroup.com)

!WARNING! IMPROPER SELECTION, IMPROPER USE AND/OR FAILURE OF THE BLINK SYSTEMS PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE. This document and other information from Blink, provide product and/or system options for further investigation by users having technical expertise. It is important to analyze all aspects of the application, including consequences of any failure. Due to the variety of operating conditions and applications for these product(s), the manufacturer of the application is solely responsible for marketing the final selection of the product(s) and assuring that all performance, safety and warning requirements of the application are met. The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Blink at any time without notice.