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.

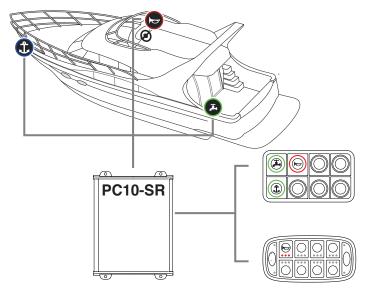
SPECIAL FEATURES

- 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





SPECIFICATIONS FOR PC10-SR SOLID STATE POWERCORE MANAGEMENT ENCLOSURE



	170.23 mm 6.70"	
86.20 mm 3.39"		

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

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

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

FEATURES

FEATURES		
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	Optional	
on the bus		

