

PC10-SR

PC10-SR

POWERCORE

ELECTRICAL	PC10
Supply voltage	8-32VDC
Standby current	<30mA
Input current	100A max

ENVIRONMENTAL	
Operating temperature	-20° C to +85° C
IP Rating	IP65



CAUTION!

DO NOT OPEN!

ALL-ELECTRONIC ASSEMBLY. NO USER-SERVICEABLE COMPONENTS INSIDE.
WARRANTY WILL BE VOIDED BY UNAUTHORIZED DIAGNOSTICS, REPAIR, OR DISASSEMBLY.
CONTACT YOUR LOCAL DEALER FOR SERVICE AND REPAIR.

OVERVIEW

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).

POWERCORE MANAGEMENT ENCLOSURE

ELECTRICAL FEATURES

- 12V or 24V nominal input voltage.
- 100 Ampere 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 every circuits. The current ratio for each circuit can be set independently (10 switched circuits).
- Remote reset of any output circuitry fault through keypad.
- Input undervoltage lock down.

SPECIAL FEATURES

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

INTELLIGENT POWER

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SPECIFICATIONS

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 & 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

FEATURES	PC10-SR
Circuits	15
Size mm connectors incl.	230 x 70 x 86 - 9.05 x 2.75 x 3.38
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

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

DIMENSIONS

