

# INTELLIGENT POWER POWERCORE 21B

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## POWERCORE 21B

The PC21B is an all new digital switching module designed to support up to 22 outputs at 15A each, all protected in a splash proof enclosure.

Our PC21B hardware is fully compatible with the previous generations PC21 controllers (by DSS/DNA) installed on vessels throughout the USA and distributed globally. This allows our design software to be 100% compatible with previous DSS/DNA systems.

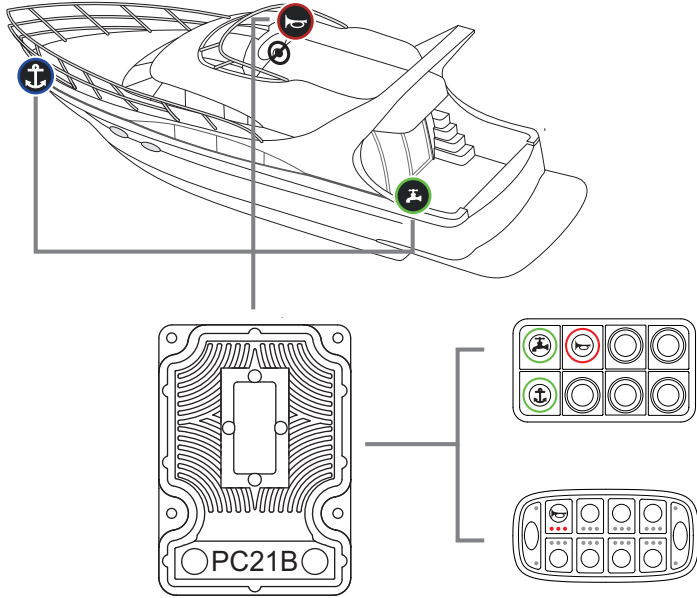
The convenience of the Deutsch DRC10 40pin connector allows the replacement of the previous PC21 controllers without changing the wiring harness.

Our PC21B is typically used along with one or more of our CANbus keypads and gateways in order to have an intelligent digital system on your vessel.



- 12/24V Nominal Input Voltage
- 22 Switched Circuits - Each Rated up to 15A
- Momentary, Toggle & Timeout Functions
- Electronic Overcurrent Protection
- Input Undervoltage Lock Down

## SPECIFICATIONS



### SPECIAL FEATURES:

- Field programmability of electrical functions and current limit trip points available to authorised OEM and Value-Added Resellers [VARs]
- 100% Compatible with previous generation PC21 controllers

#### ELECTRICAL

#### PC21B

Supply voltage	12V and 24V Nominal Voltage (8-32VDC)
Standby current	<30mA per PME
Load current	Max 15A
Input current	150A max
Communication bus	RS-485 between keypad and PME CAN Bus Slave
Circuit protection	Electronic overcurrent protection and automotive mini blade fuse

#### MECHANICAL

Connector	Deutsch DRC 10-40P-A004
Mating connector	Deutsch DRC 16-40SA
Housing	Aluminum AB46100 Anodic oxidation + powder-coating + zinc-coated bronze ZnCu20
Seal	EPDM GASKET
Power studs	Blink Marine CuZn20 UNC#14-20
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	0 to 98% (no condensation)
Ingress Protection Rating	Splashproof

#### FEATURES

Circuits	22
Size mm/inches	237x168x55 / 9.33x6.63x2.16
Remote current trip reset	Standard on all outputs
System reset	Optional
Status indicator	Standard
Low volt sense & lock down	Optional
Pull down	4 outputs
"H" Bridge capability	2 complete "H" bridges available
Level sense input	4 inputs
Dimming/PWM Features	Available on 3 outputs
Circuit status monitoring	Optional
Field re-programmable	Optional
External status communication on the bus	Optional

