



# PowerCore 21

Part Number: DSS-PC21



## FEATURES:

- ~ No moving parts.
- ~ Small, compact and Robust design
- ~ 21 Outputs
- ~ 4 Inputs
- ~ Up to 20A per output
- ~ Multi voltage 9 - 28 VDC
- ~ 40 pin Deutsch connection
- ~ PWM on every output
- ~ Can drive 2 reversible motors
- ~ Field Programmable

## KIT INCLUDES:

- ~ 1 x PowerCORE 21
- ~ 1 x Power Stud kit
- ~ 1 x Instruction manual

## OVERVIEW:

The **PowerCore 21** is the intelligence behind the Digital Switching System. The PowerCore 21 receives switch requests from the keypads or interfaces and then processes these commands based on the current system status. The response to a switch request may be an activation or deactivation of a circuit, the start of a timed function, or, in systems with keyless ignition, the locking or unlocking of the system. The PowerCore 21 then sends the system status information to turn on/off the indicator LED's and backlights.

The **PowerCore 21** is a solid state device because it uses solid state relays for the switching of loads and over-current protection. There are no mechanical components. Each PowerCore 21 is capable of controlling 21 switched/constant outputs. A flashing indicator at the keypad indicates a circuit fault. Simply pressing and holding the corresponding indicator resets the circuit.

The **PowerCore 21** can be programmed in the field via any certified technician with their laptop. Most customers request the PowerCore 21 to be pre-programmed before dispatch.

Australasia



Europe



USA



# TECHNICAL DATA:

SPECIFICATION:	
Voltage	9 - 28 Volts DC
Max Current per circuit	20A
Total Circuits	21
Max Current Total	60A
PowerCore Connector	Deutsch DRC13-40P-A004
Mating Connector	Deutsch DRC16-40S
IP Rating	IP67
Operating Temperature	-40 to +85C
Communication	RS-485 (Proprietary)
Standby current	Less than 30mA
Connection Power Studs	1/4 - 20 Phosphor bronze, electroplated bright tin
UV protection	UBVB 400 Hours
Size	168x257x35mm
Weight	950g
Approvals	CE
Warranty	12 months limited
Material	Black ABS Plastic

\*Specifications may change without notice.

