

# Digital Switching



## PowerMate 15

- Voltage Protection.
- 16 Digital Sense Inputs.
- Over-current Protection.
- RS4856/J1939/CAN Communication.
- Support OmniBus Protocol.

Part No. DSS-PM15D

### FEATURES

The PowerMate 15 load handler is the latest addition to the Digital Switching Systems Family.

An innovative Australian designed and manufactured control solution for all your electronic needs.

The PowerMate15 consists of 15 Powerful Outputs of up to 15Amps with 16 Variable Inputs to sense most of the important parameters on your vehicle.

Rugged, flexible, reliable and specifically designed for a multitude of applications which allows customisation for distinct digital controlling and monitoring.

If optimal safety, cost reduction and improved adaptability is imperative to you then the PowerMate 15 is more than ready to undertake your next technical project.



## Features

The PowerMate 15 is an advanced Australian designed and manufactured device which empowers digital switching customisation applicable for the automotive, marine, mining and RV industries.

This means that any electrical load on the vehicle can be switched, controlled and monitored digitally with pre-programmed software settings. The elevated focus is to accommodate a solution that preemptively diagnoses electrical faults preventing injury and vehicle downtime as well as allowing for enhanced customisation of the vehicle's electrical system.

The PowerMate 15 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 PowerMate 15 then sends the system status information to turn on/off the indicator LED's and backlights. The PowerMate 15 incorporates solid state technology which uses MOSFETs for switching and over current protection.

It features ignition and reverse polarity connection protection which is all hermetically sealed for maintenance free operation.

The slim but robust design uses up to 60% less wiring than analogue systems making the PowerMate 15 ideal for effortless installation.

Innovative reprogrammable software generated controls, means subsequent customisation of functions are readily available.

With realtime monitoring, logging and ease of diagnostic testing and feedback makes field reprogramming or updating convenient and swift.

## Specifications

<b>Voltage</b>	<b>10 - 30 Volts DC</b>
<b>Max Current per circuit</b>	<b>15A</b>
<b>Total Circuits</b>	<b>15</b>
<b>Max Current Total</b>	<b>60A</b>
<b>PowerMate Receptacles</b>	<b>Deutsch: 3x DT04-12PA (3x W12P), 1x DTP04-4P (1x WP-4P)</b>
<b>PowerMate Connector Plugs</b>	<b>Deutsch: 3x DT06-12S (3x W12S), 1x DTP06-4S (1x WP-4S)</b>
<b>IP Rating</b>	<b>IP56</b>
<b>Operating Temperature</b>	<b>0 to 70 Degrees Celsius</b>
<b>Communication</b>	<b>RS-485, CanBus, J1939</b>
<b>Standby current</b>	<b>Less than 30mA</b>
<b>UV protection</b>	<b>UBVB 400 Hours</b>
<b>Size</b>	<b>H56.13xW189.2xD172.7mm</b>
<b>Weight</b>	<b>900g</b>
<b>Approvals</b>	<b>CE</b>
<b>Warranty</b>	<b>12 months limited</b>
<b>Enclosure Material</b>	<b>Cinch Black Polymer</b>

\*Specifications may change without notice.