

PM15D



CANopen

J1939



OVERVIEW

An innovative Australian designed and manufactured control solution for all your electronic needs. The POWERMATE 15D (PM15D) load handler is the latest addition to the Digital Switching Systems Family.

The PM15D consists of 15 Powerful Outputs of up to 15Amps with 16 Variable Inputs to sense most of the important parameters on your vehicle.

If optimal safety, cost reduction and improved adaptability is imperative to you then the PM15D is more than ready to undertake your next technical project.

POWERMATE LOAD CONTROLLER

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

This product has been successfully launched in the Australian market for trucking fleets, mining vehicles, the marine industry, Antarctic research vehicles, and government service vehicles amongst others.

Some of our existing users include: Isuzu; Volvo; Dyno Nobel, Ergon; Telstra; Caterpillar; Brisbane City Council; Queensland Fire service; Australian Government and Origin Energy.

Increases Safety: Pro-actively diagnoses and prevents accidents and injury.

Reduces Costs: Avoids breakdown and vehicle downtime and prolonging the life of the vehicle.

Enhances Customisability: Allowing for solutions to be tailored for individual requirements.

SPECIAL FEATURES

- Voltage Protection
- Over-current Protection on All Outputs
- 16 Digital Sense Inputs
- RS-485/J1939/CAN Communication
- Supports OmniBus Protocol

INTELLIGENT POWER

www.googolplex.com.au

Page 1: GEC-PM15D_SpecSheet_Ver.1

OVERVIEW

The POWERMATE 15D 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 PM15D 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 PM15D then sends the system status information to turn on/off the indicator LED's and backlights.

The PM15D 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 PM15D ideal for effortless installation.

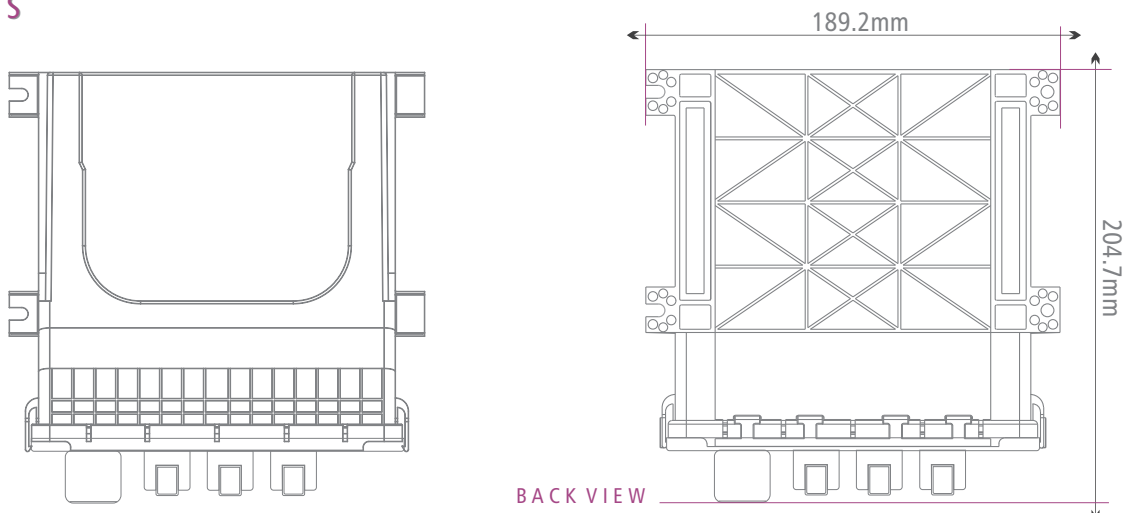
Innovative reprogrammable software generated controls, means subsequent customisation of functions are readily available. With realtime monitoring, logging and ease of diagnostic testing and feedback makes field reprogramming or updating convenient and swift.

SPECIFICATIONS

Voltage	10 - 30 Volts DC
Max Current Per Circuit	15A
Total Circuits	15
Max Current Total	60A
PowerMate Receptacles	Deutsch: 3x DT04-12PA (3x W12P), 1x DTP04-4P (1x WP-4P)
PowerMate Connector Plugs	Deutsch: 3x DT06-12S (3x W12S), 1x DTP06-4S (1x WP-4S)
IP Rating	Ip56
Operating Temperature	0 to 70 Degrees Celsius
Communication	RS-485, CANbus, J1939
Standby Current	Less than 30mA
UV Protection	UBVB 400 Hours
Size	H 56.13 x W 189.2 x D204.7mm
Weight	900g
Approvals	CE
Warranty	12 months limited
Enclosure Material	Cinch Black Polymer

*Specifications may change without notice.

DIMENSIONS



FRONT VIEW

BACK VIEW