

VCMS2-PM1 VCMS2-PM1-CTRL1

8 Input/ 8 Output Power Module
With Molex Connectors



Technical Description

The Model VCMS2-PM1 Power Module is a component of the InPower's second generation Vehicle Control Module System (VCMS2), a modular, programmable switch panel system used for controlling 12 volt auxiliary devices on vehicles. The system can be configured for a wide range of applications controlling devices such as lights, beacons, fans, compressors, and other 12 V devices.

All power modules and switch panels connect via an 8 pin Molex-150 sealed connector and may be daisy-chained to accommodate extra modules and panels.

The power module has eight inputs and eight outputs, connected through a 20 pin Molex-150 sealed connector. The outputs are 12 V power rated at 15 amps each and include over current and automatic short circuit fault shutdown protection. The digital inputs monitor external conditions, such as what gear the transmission is in or if the ignition switch is on, and can be programmed to respond to either ground or +12 V TRUE.

The PM1 is used in conjunction with VCMS2 Switch or GM1 Module(s) in different configurations of either GM1 or PM1 MOD1 through MOD6 where up to 6 Modules are needed in a system. In these cases the application program is in the main Switch Module.

The PM1-CTRL1 is used in VCMS2 systems that have no switch module(s) (Standalone system). This may be a single PM1-CTRL1 by itself, or with up to 5 other networked PM1s (PM1-MOD2 through PM1-MOD6). In this case the application program is located in this VCMS2-PM1-CTRL1.

Modules may be ordered as VCMS2-PM1-MOD1, VCMS2-PM1-MOD2, VCMS2-PM1-MOD3, through MOD6 or as a VCMS2-PM1-CTRL1.

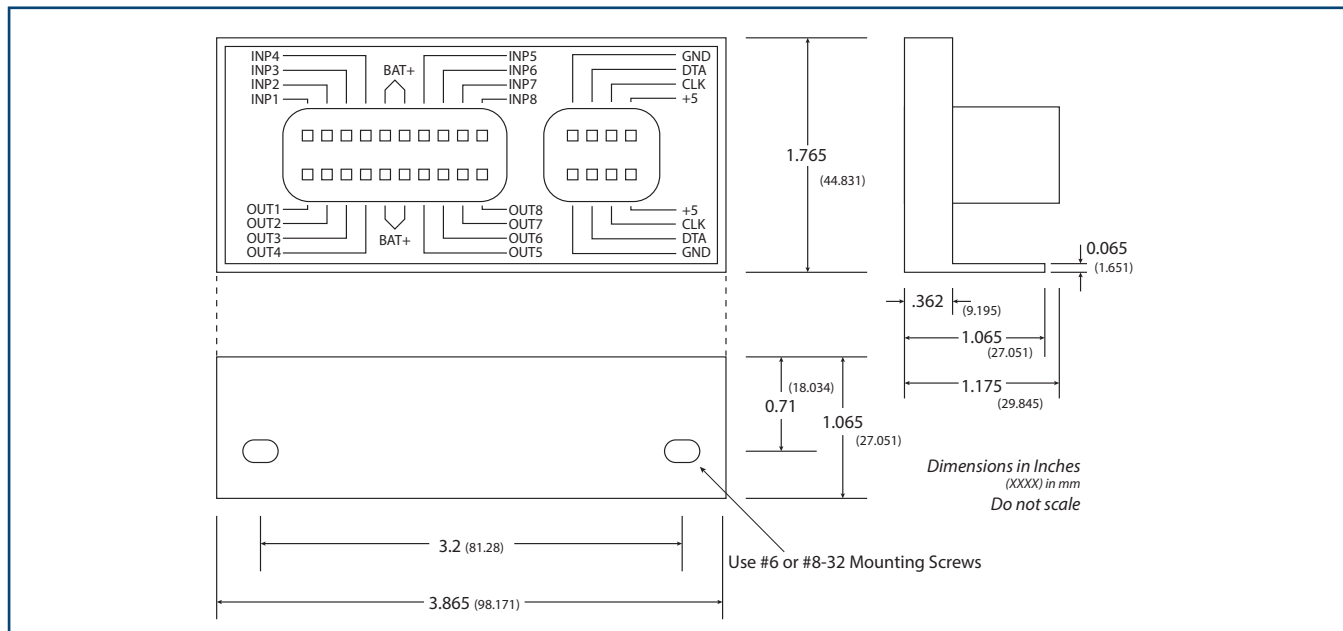
Key Features

- Small Size, L-bracket mounting
- Eight 12 Volt 15 Amp Power Outputs (60A max per module)
- Eight Digital Inputs
- Modular/Expandable Design
- Remote Operation
- Programmable Control Logic Functions

Related Products

- VCMS2-SM-4 thru SM-12 Switch Modules
- VCMS2-GM1 and CNTRL-1 Ground Out Modules

Mechanical Drawing



VCMS2-PM1

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Specifications

Dimensions:	Mounting Surface: 1.065 inches by 3.865 inches. 1.765 inches tall.
Case Material:	Anodized aluminum
Mounting:	Two #6-32 or #8-32 Mounting Screws through L bracket to a flat surface.
Mating Connectors:	One 20 pin A key Molex-150 (part # 33472-2001): inputs, outputs and power One 8 pin A key Molex 150 (part # 33472-0806): ground and data between modules
Outputs:	Eight high-side drivers rated for +12 volts @ 15 amps; max 60 amps per module
Inputs:	Eight programmable to pull up for ground true actuation or to pull down for +12 volt true actuation
Orderable Configurations:	VCMS2-PM1-CTRL1 (for Standalone systems (application)), VCMS2-PM1-MOD1, VCMS2-PM1-MOD2, VCMS2-PM1-MOD3, VCMS2-PM1-MOD4, VCMS2-PM1-MOD5, or VCMS2-PM1-MOD6.
Related Products:	VCMS2-SM4, VCMS2-SM6, VCMS2-SM8, VCMS2-SM10, VCMS2-SM12 switch modules, and VCMS2-GM1-CTRL1, VCMS2-GM1-MOD1, VCMS2-GM1-MOD2, VCMS2-GM1-MOD3, VCMS2-GM1-MOD4, VCMS2-GM1-MOD5, and VCMS2-GM1-MOD6,

System Diagram

