



### Technical Description

The Model VCMS-PM1 Power Module is a component of the InPower Vehicle Control Module System (VCMS), a modular, programmable switch panel system used for controlling vehicle 12 volt auxiliary devices. The system can be configured to fit a wide range of applications controlling devices such as lights, beacons, fans, compressors, pumps, etc

The power module provides power outputs and digital inputs to control these devices, and links to the switch module and other power modules via an interconnecting logic cable. Systems can contain up to five power modules. Two switch modules can be arranged in a master/slave arrangement to provide control from two locations.

The power module has six 12 volt DC power outputs rated at 15 amps each that include over current and short circuit automatic fault shutdown protection. Four digital inputs monitor external conditions such as ignition switch on, transmission in Park, etc. These inputs can be individually programmed to activate from either a contact closure to ground or to +12 volts. All wire connections utilize ¼ inch male faston blade terminals.

The VCMS-PM1 power module communicates with other power modules and switch modules via a ribbon cable. Since a given system may contain more than one power module, each module will have an address (e.g. Mod 1, Mod 2, etc.).

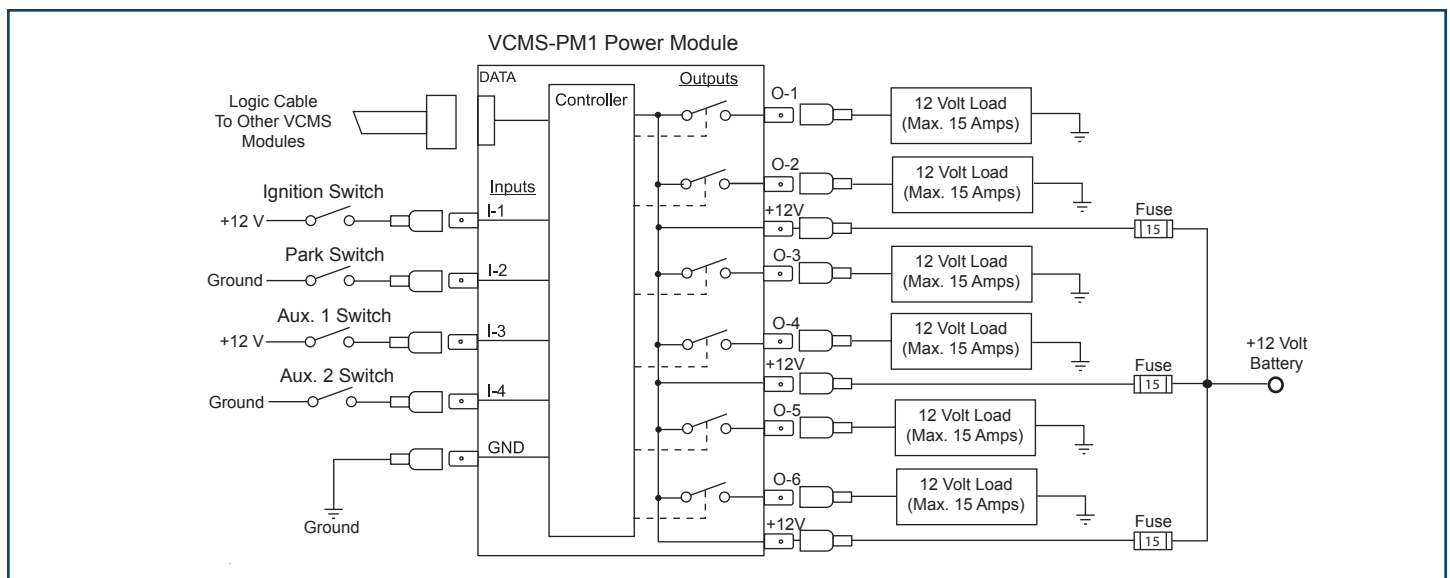
### Key Features

- Small Size and Low Profile
- Six 12 Volt 15 Amp Power Outputs
- Four Digital Inputs
- Modular/Expandable Design
- Remote Operation
- Programmable Control Logic Functions

### Ordering Guide

| Model    | Description  |
|----------|--------------|
| VCMS-PM1 | Power Module |

### System Diagram



### Specifications

|                 |   |
|-----------------|---|
| Dimensions:     | 2.25 inch W x 4.15 inch L x 0.53 inch H   |
| Case Material:  | Anodized aluminum   |
| Mounting:       | Mount on flat metal panel with four #6-32 screws  |
| Connector:      | 10-position, for ribbon cable plug  |
| Outputs:        | Six high-side drivers rated for +12 volts @ 15 amps   |
| Inputs:         | Four, programmable to pull up for ground true actuation or to pull down for +12 volt true actuation |
| Module Address: | Power modules are preprogrammed with a module number address (Mod 1, Mod 2, etc.)                   |

### Reference Documents

| <u>Document Name</u>               | <u>Document Number</u> |
|------------------------------------|------------------------|
| VCMS-PM1 Installation Instructions | Owners Manual OM-107   |

### Mechanical Drawing

